

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064913.D
 Acq On : 4 Dec 2020 12:52
 Operator : JC/MD
 Sample : VN1204MBS01
 Misc : 5.00G/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:33 AM

Quant Time: Dec 05 01:58:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	226511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	351747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	320204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	130949	49.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.46%
35) Dibromofluoromethane	7.55	113	112696	53.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.08%
50) Toluene-d8	10.06	98	437210	50.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.68%
62) 4-Bromofluorobenzene	12.37	95	153633	49.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30738	15.658	ug/l	99
3) Chloromethane	2.04	50	41030	16.083	ug/l	99
4) Vinyl Chloride	2.17	62	43782	16.461	ug/l	96
5) Bromomethane	2.53	94	30531	17.497	ug/l	100
6) Chloroethane	2.68	64	28890	17.562	ug/l	99
7) Trichlorofluoromethane	2.99	101	64792	17.623	ug/l	99
8) Diethyl Ether	3.37	74	26402	18.193	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	40017	18.144	ug/l	98
10) Methyl Iodide	3.91	142	48597	16.988	ug/l	97
11) Tert butyl alcohol	4.74	59	34722	84.548	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	38294	17.434	ug/l	98
13) Acrolein	3.56	56	15449	61.587	ug/l	100
14) Allyl chloride	4.27	41	63041	17.401	ug/l	99
15) Acrylonitrile	4.94	53	104201	91.847	ug/l	98
16) Acetone	3.78	43	77624	89.671	ug/l	99
17) Carbon Disulfide	4.01	76	93675	16.521	ug/l	99
18) Methyl Acetate	4.28	43	49915	19.179	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131544	18.673	ug/l	98
20) Methylene Chloride	4.50	84	48827	18.000	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	42671	17.494	ug/l	95
22) Diisopropyl ether	5.90	45	137671	18.986	ug/l	96
23) Vinyl Acetate	5.85	43	537209	92.644	ug/l	100
24) 1,1-Dichloroethane	5.80	63	79920	18.442	ug/l	99
25) 2-Butanone	6.79	43	131541	93.739	ug/l	97
26) 2,2-Dichloropropane	6.78	77	67769	18.031	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	50045	18.233	ug/l	99
28) Bromochloromethane	7.15	49	39921	20.137	ug/l	97
29) Tetrahydrofuran	7.17	42	83788	86.499	ug/l	97
30) Chloroform	7.33	83	84025	18.802	ug/l	99
31) Cyclohexane	7.61	56	61946	16.878	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	68974	17.970	ug/l	98
36) 1,1-Dichloropropene	7.75	75	58652	17.990	ug/l	99
37) Ethyl Acetate	6.88	43	56615	18.027	ug/l	99
38) Carbon Tetrachloride	7.73	117	62519	18.429	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	56001	15.956	ug/l	98
40) Benzene	8.00	78	183170	18.334	ug/l	97
41) Methacrylonitrile	7.12	41	25284	17.448	ug/l	93
42) 1,2-Dichloroethane	8.08	62	60755	18.026	ug/l	99
43) Isopropyl Acetate	8.13	43	90014	17.812	ug/l	98
44) Trichloroethene	8.80	130	52935	17.957	ug/l	95
45) 1,2-Dichloropropane	9.08	63	48895	18.898	ug/l	100
46) Dibromomethane	9.17	93	32898	19.033	ug/l	98
47) Bromodichloromethane	9.37	83	65832	18.928	ug/l	97
48) Methyl methacrylate	9.17	41	42823	17.734	ug/l	98
49) 1,4-Dioxane	9.17	88	16905	370.399	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	277001	91.302	ug/l	99
52) Toluene	10.12	92	116475	18.931	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	70435	18.183	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	77196	18.592	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	48171	19.039	ug/l	96
56) Ethyl methacrylate	10.40	69	63915	18.306	ug/l	99
57) 1,3-Dichloropropane	10.68	76	79786	19.117	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	181804	94.664	ug/l	99
59) 2-Hexanone	10.72	43	201814	92.429	ug/l	100
60) Dibromochloromethane	10.87	129	52508	18.670	ug/l	100
61) 1,2-Dibromoethane	10.98	107	48385	18.823	ug/l	98
64) Tetrachloroethene	10.60	164	56318	18.078	ug/l	98
65) Chlorobenzene	11.40	112	126762	18.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	48377	19.144	ug/l	100
67) Ethyl Benzene	11.48	91	207838	18.093	ug/l	100
68) m/p-Xylenes	11.59	106	162945	37.466	ug/l	98
69) o-Xylene	11.92	106	76970	18.650	ug/l	99
70) Styrene	11.94	104	134408	19.291	ug/l	98
71) Bromoform	12.10	173	35868	17.771	ug/l #	99
73) Isopropylbenzene	12.22	105	200596	19.107	ug/l	100
74) N-amyl acetate	12.04	43	75381	18.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	59269	19.261	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	56566m	17.402	ug/l	
77) Bromobenzene	12.50	156	54344	19.200	ug/l	99
78) n-propylbenzene	12.57	91	224160	18.742	ug/l	98
79) 2-Chlorotoluene	12.65	91	138602	18.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	170377	19.524	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	21308	17.966	ug/l	98
82) 4-Chlorotoluene	12.75	91	145172	18.734	ug/l	100
83) tert-Butylbenzene	12.97	119	138076	18.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	170851	19.364	ug/l	100
85) sec-Butylbenzene	13.14	105	180901	18.627	ug/l	100
86) p-Isopropyltoluene	13.26	119	168173	19.020	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	93608	18.615	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	96581	18.161	ug/l	97
89) n-Butylbenzene	13.59	91	137718	17.736	ug/l	99
90) Hexachloroethane	13.85	117	29126	18.963	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	92416	18.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11953	17.263	ug/l	98

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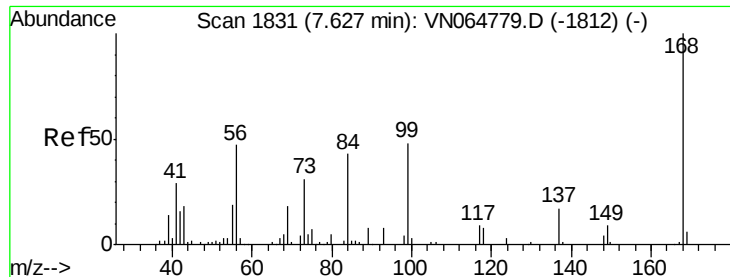
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	50059	16.389	ug/l	99
94) Hexachlorobutadiene	14.98	225	24944	18.372	ug/l	99
95) Naphthalene	15.10	128	148999	16.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	50227	18.214	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: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion:168 Resp: 226511

Ion Ratio Lower Upper

168 100

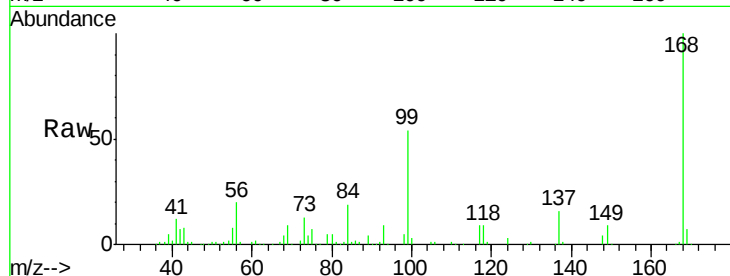
99 53.6 43.0 64.4

Manual Integrations

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12/7/2020 10:45:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

40000

20000

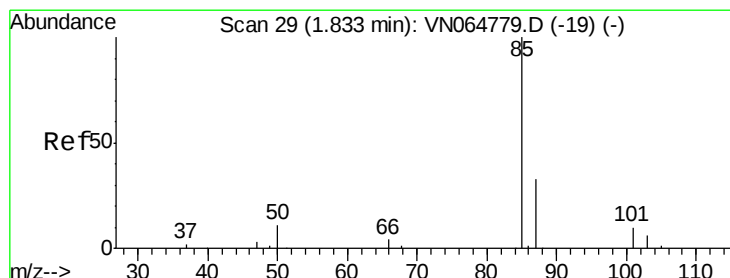
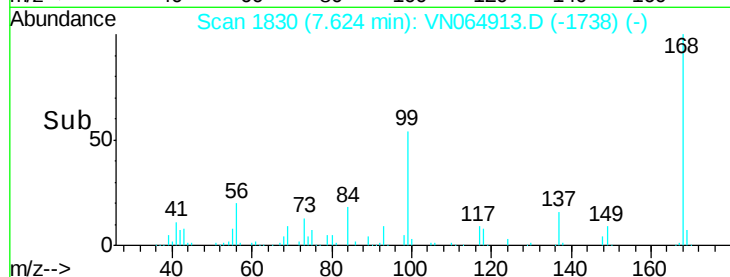
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.658 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064913.D

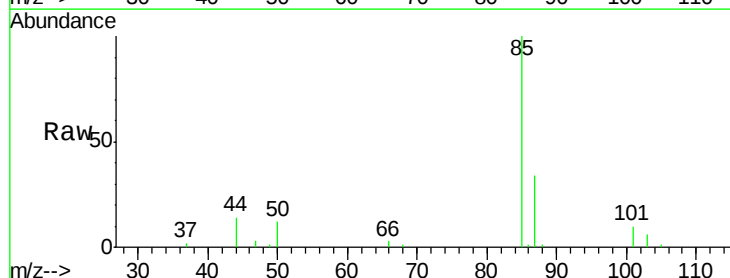
Acq: 4 Dec 2020 12:52

Tgt Ion: 85 Resp: 30738

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

10000

5000

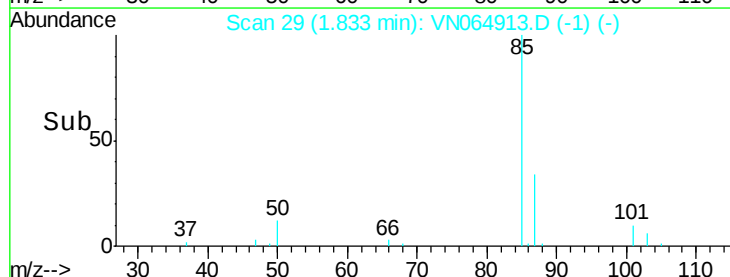
0

1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.083 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 50 Resp: 41030

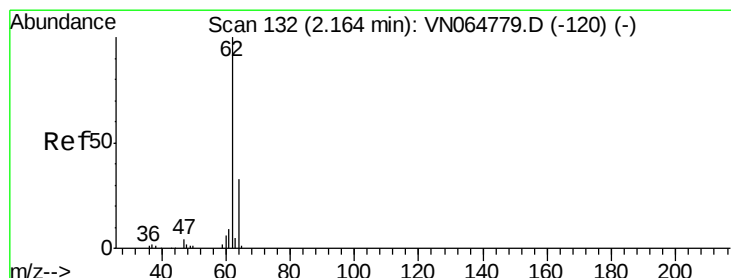
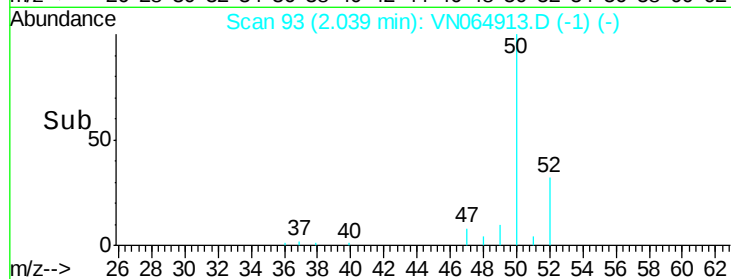
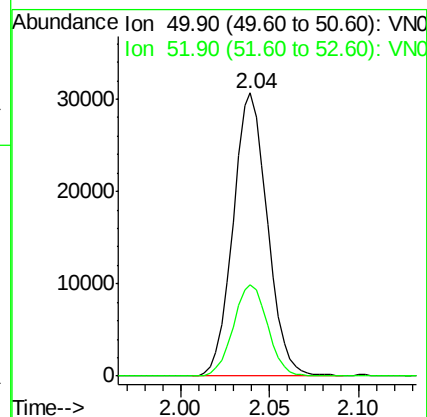
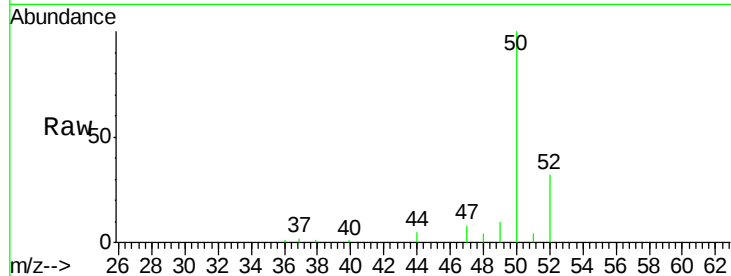
Ion Ratio Lower Upper

50 100

52 32.5 26.6 39.8

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#4

Vinyl Chloride

Concen: 16.461 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064913.D

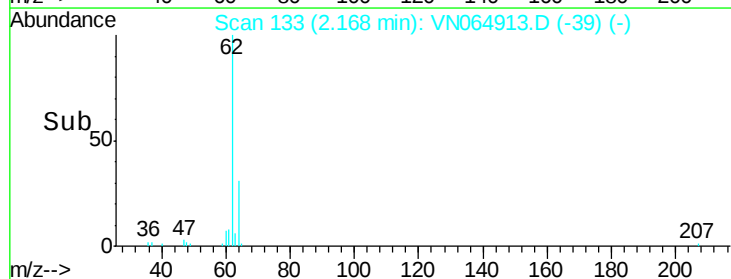
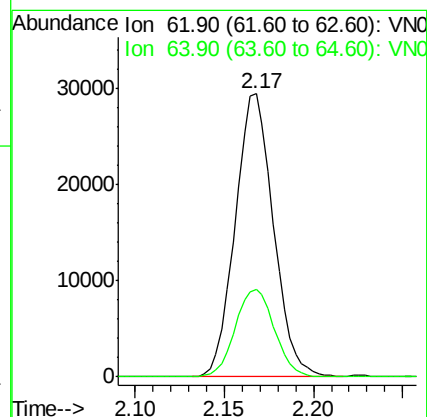
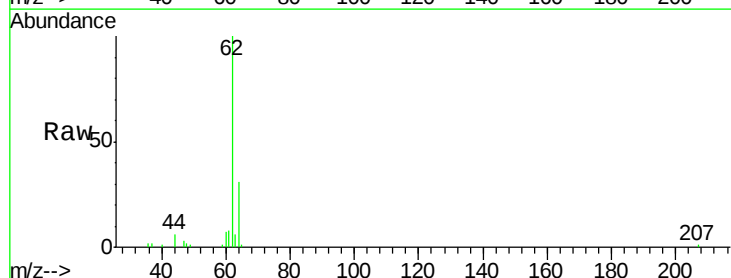
Acq: 4 Dec 2020 12:52

Tgt Ion: 62 Resp: 43782

Ion Ratio Lower Upper

62 100

64 31.0 26.5 39.7





#5

Bromomethane

Concen: 17.497 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 94 Resp: 30531

Ion Ratio Lower Upper

94 100

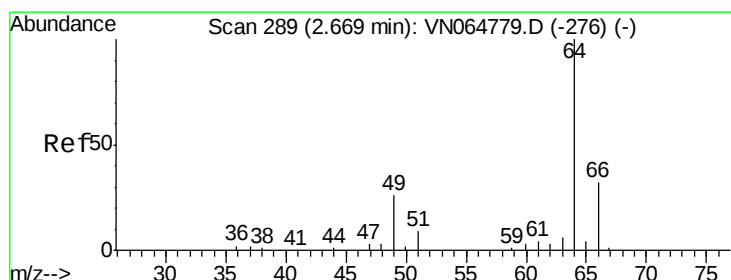
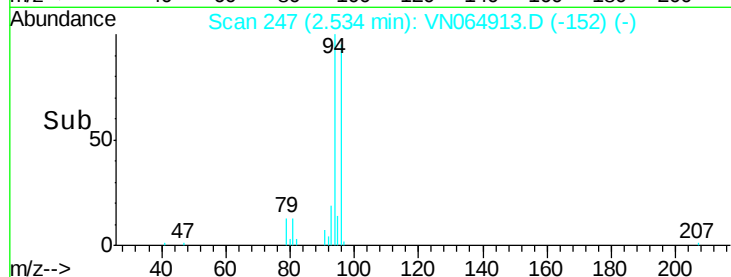
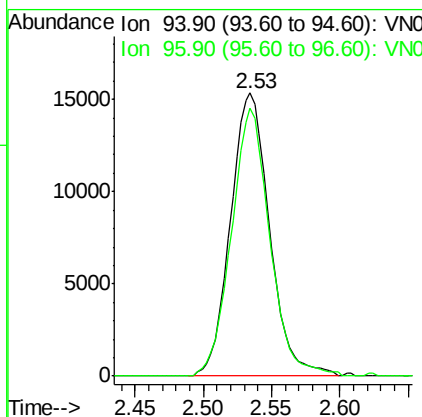
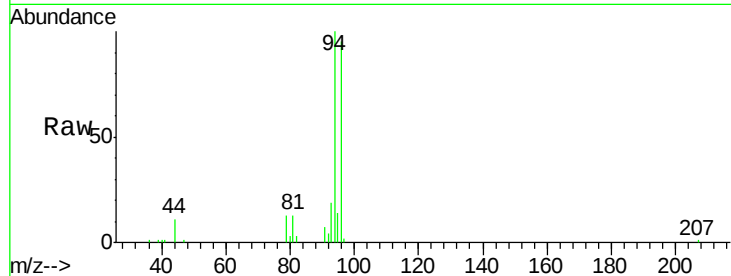
96 94.5 75.4 113.0

Manual Integrations

APPROVED

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12/7/2020 10:45:33 AM



#6

Chloroethane

Concen: 17.562 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064913.D

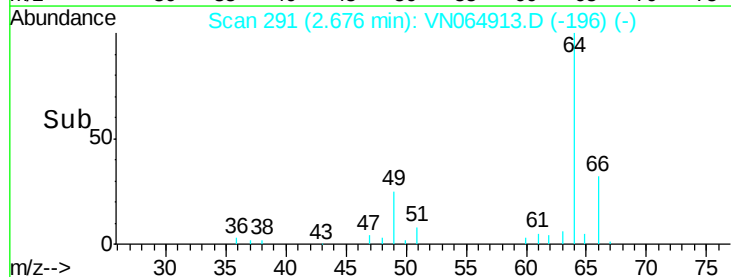
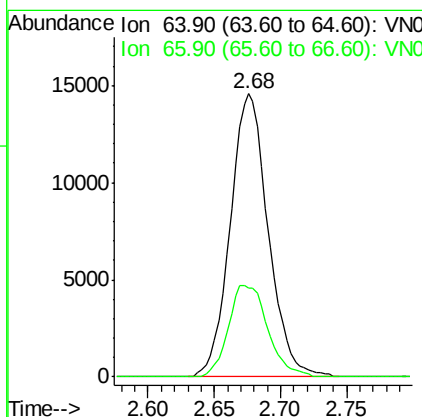
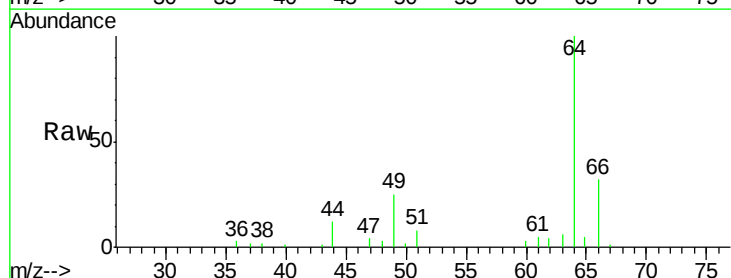
Acq: 4 Dec 2020 12:52

Tgt Ion: 64 Resp: 28890

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

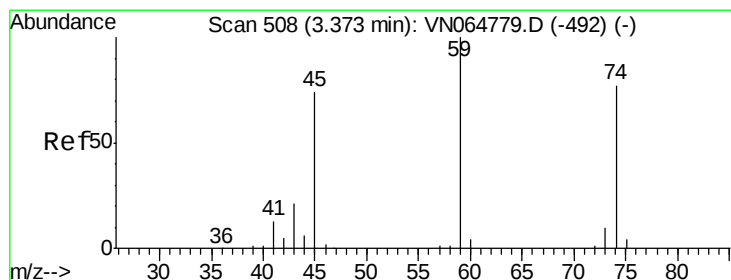
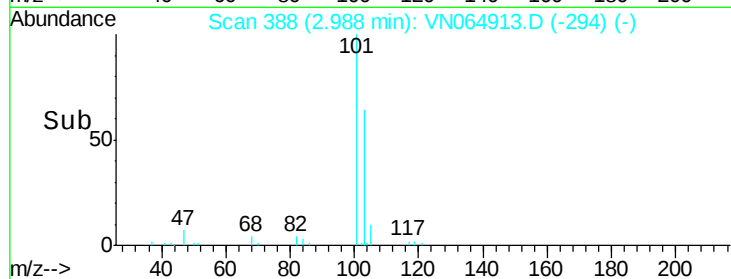
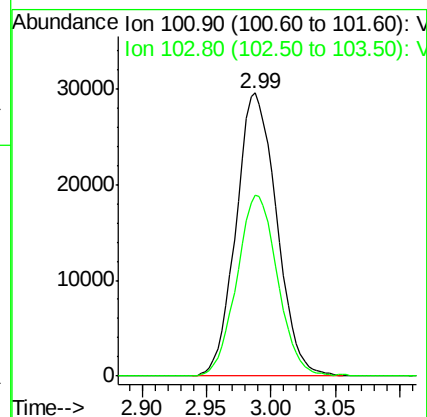
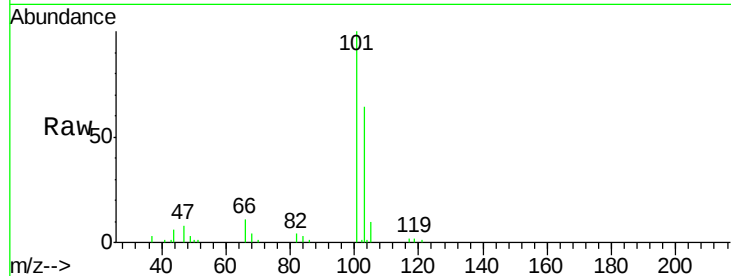
Trichlorofluoromethane
Concen: 17.623 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

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ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.5	75.7

Manual Integrations
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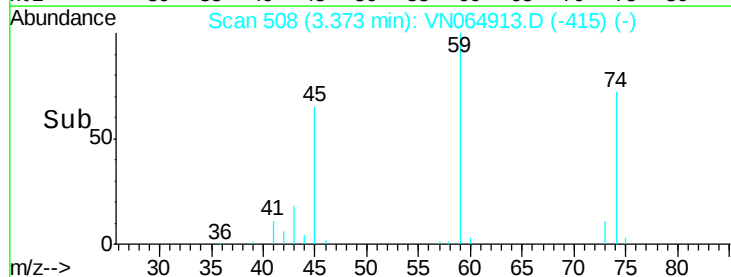
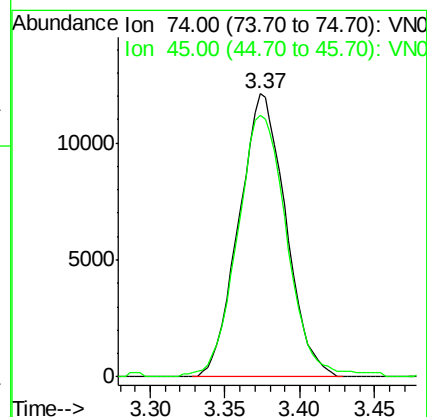
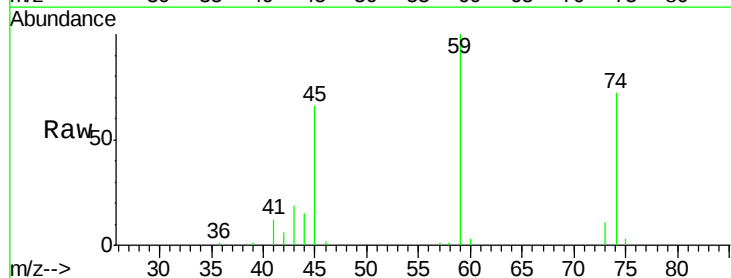
MMDadoda
12/7/2020 10:45:33 AM

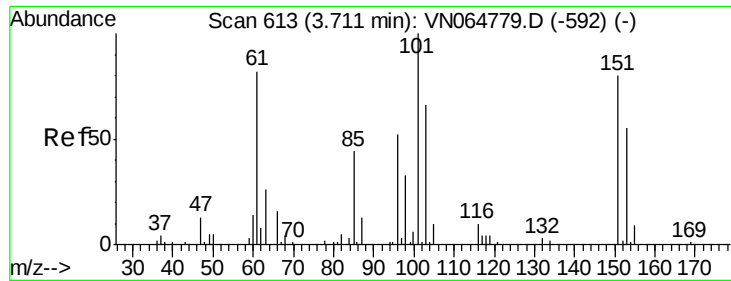


#8

Diethyl Ether
Concen: 18.193 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.9	146.8





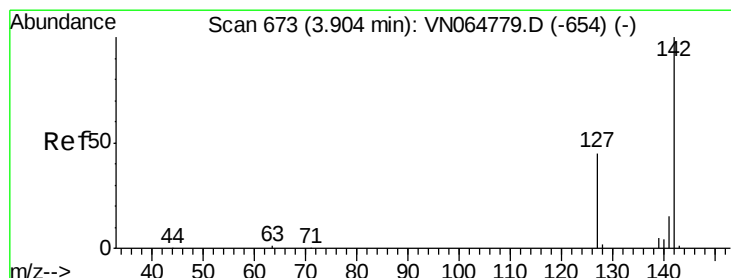
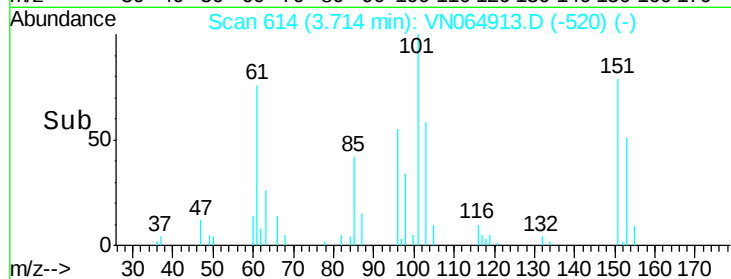
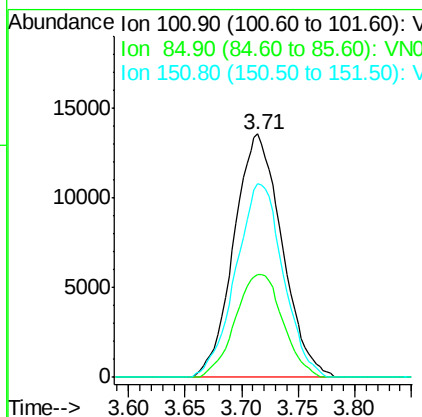
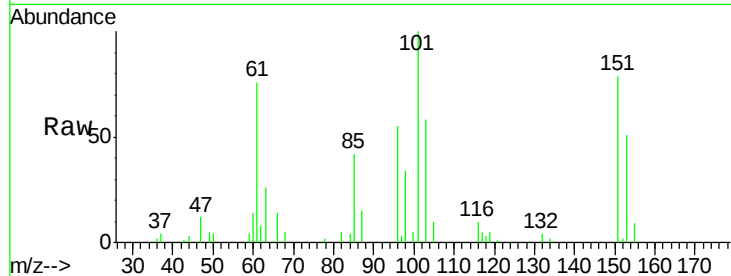
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.144 ug/l
 RT: 3.71 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.7	34.4	51.6
151	78.6	64.0	96.0

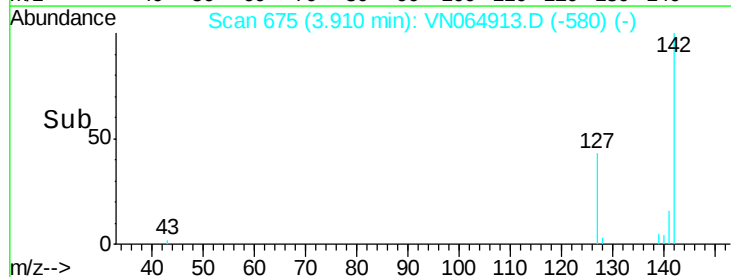
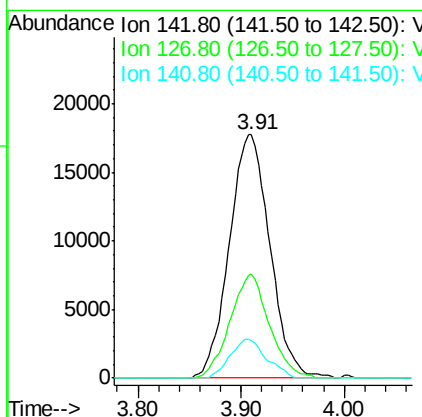
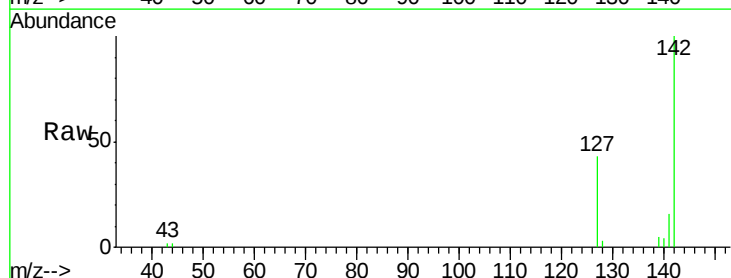
Manual Integrations
 APPROVED

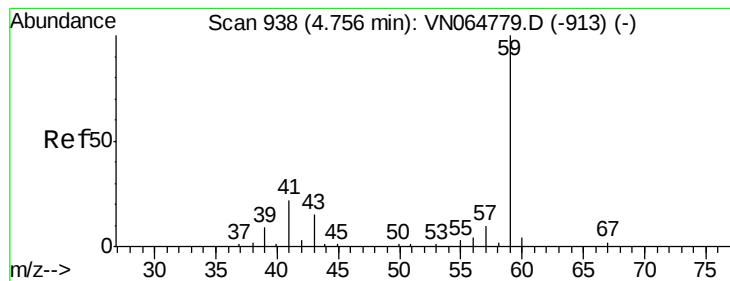
MMDadoda
 12/7/2020 10:45:33 AM



#10
 Methyl Iodide
 Concen: 16.988 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	35.0	52.6
141	14.4	11.8	17.6





#11

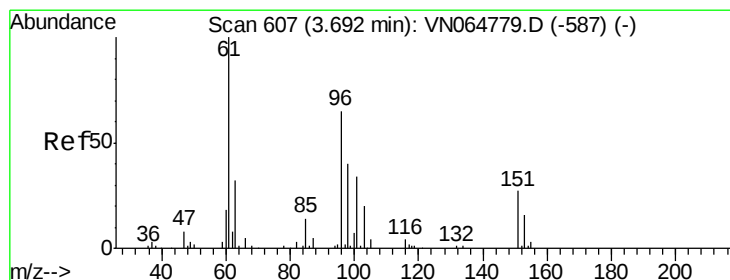
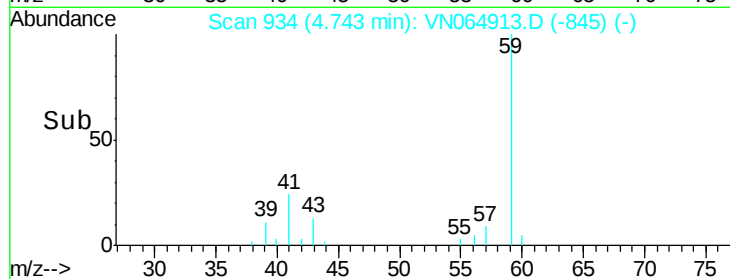
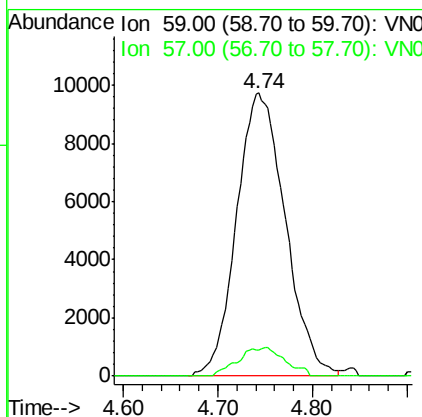
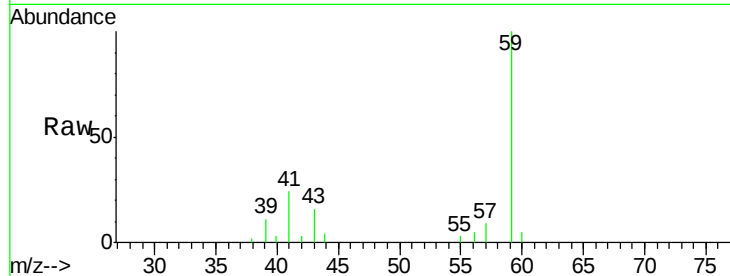
Tert butyl alcohol
 Concen: 84.548 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	7.9	11.9#

Manual Integrations
 APPROVED

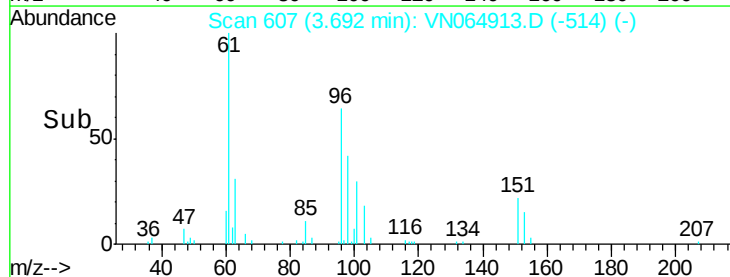
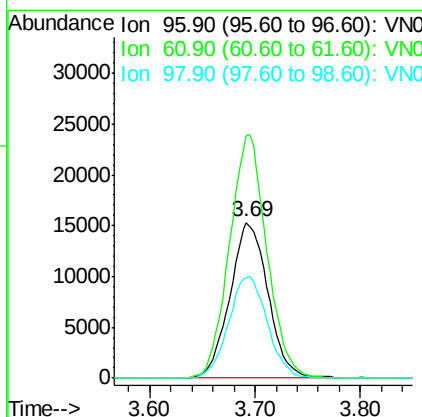
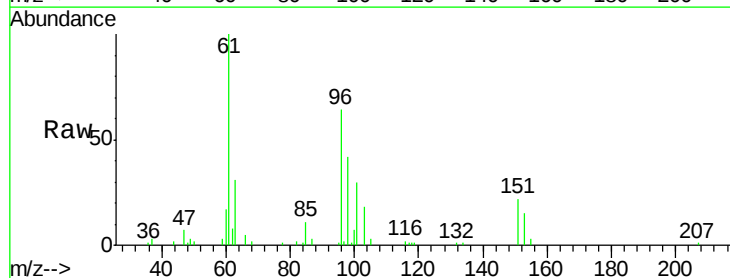
MMDadoda
 12/7/2020 10:45:33 AM

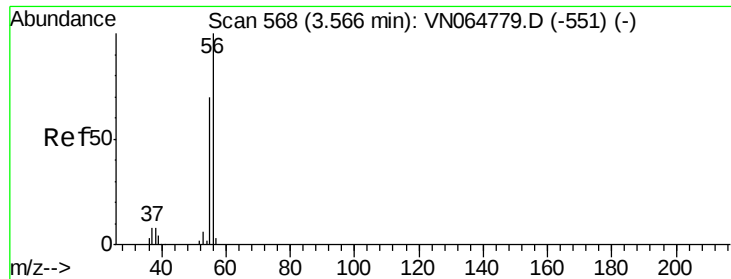


#12

1,1-Dichloroethene
 Concen: 17.434 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	123.4	185.2
98	64.7	49.8	74.8





#13

Acrolein

Concen: 61.587 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 56 Resp: 15449

Ion Ratio Lower Upper

56 100

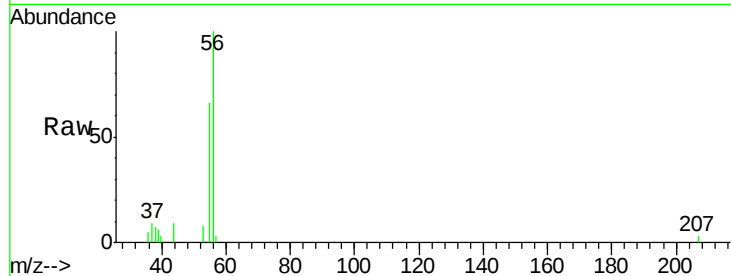
55 70.4 56.5 84.7

Manual Integrations

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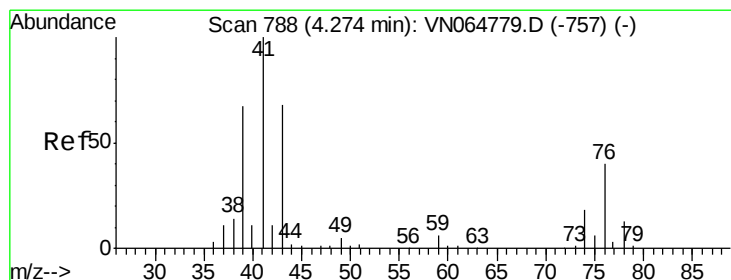
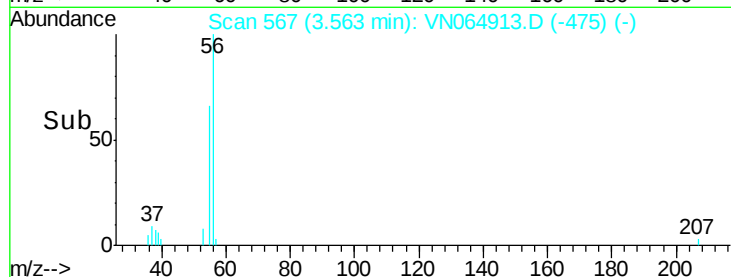
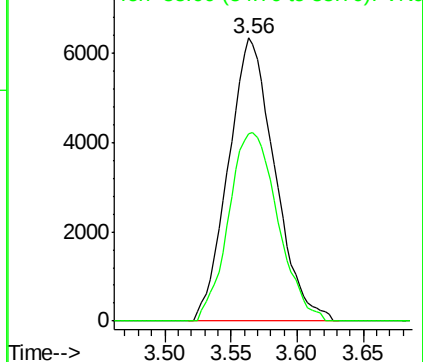
MMDadoda

12/7/2020 10:45:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.401 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

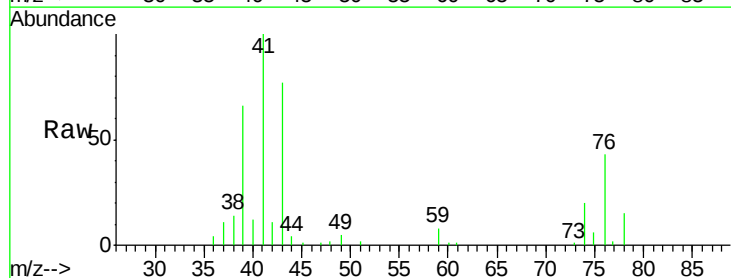
Tgt Ion: 41 Resp: 63041

Ion Ratio Lower Upper

41 100

39 62.4 50.9 76.3

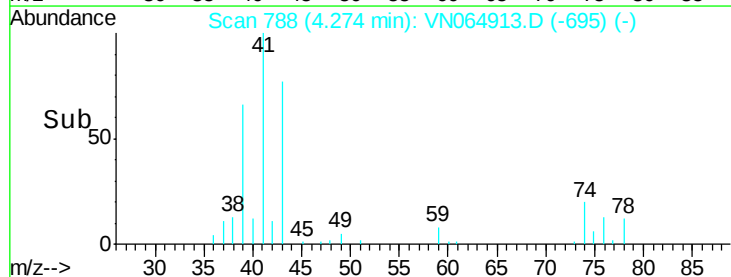
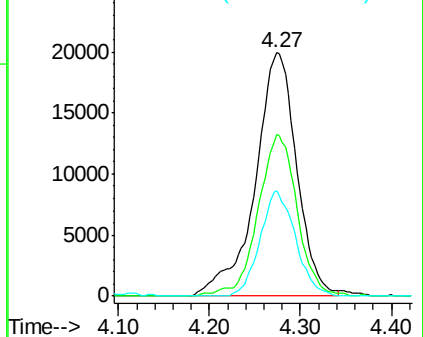
76 36.8 29.0 43.4

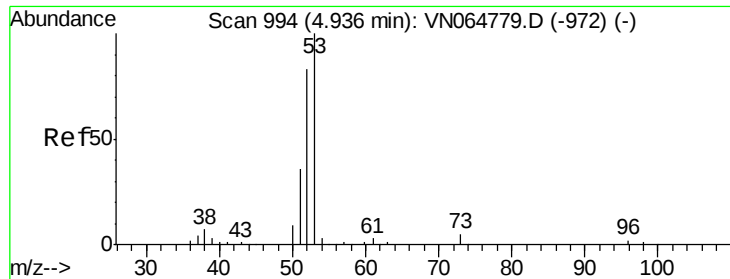


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





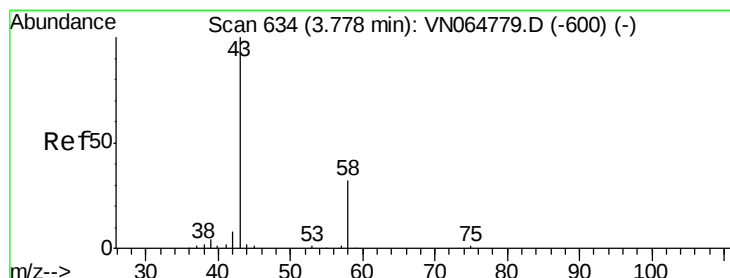
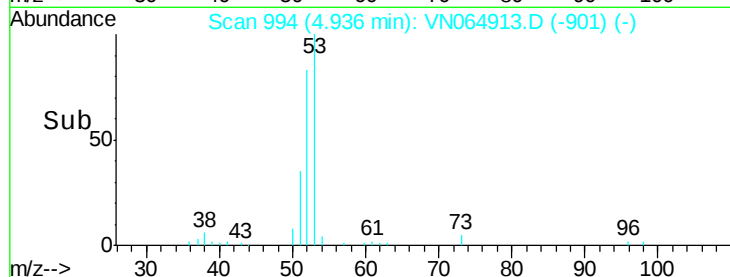
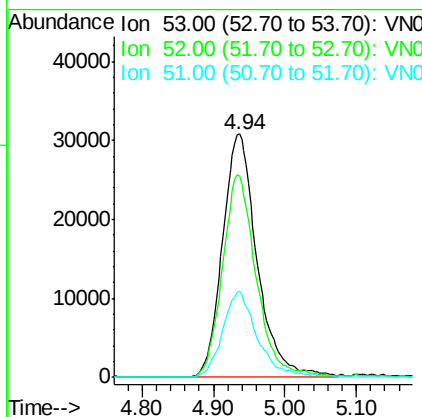
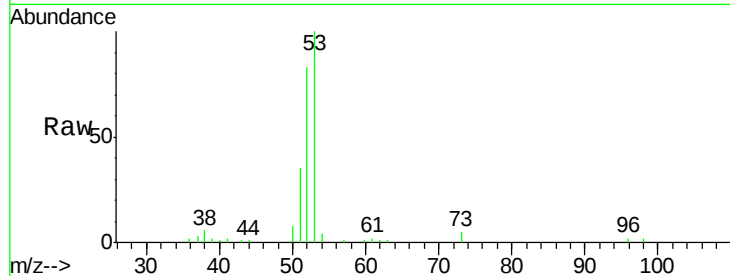
#15
 Acrylonitrile
 Concen: 91.847 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.5	98.3
51	35.0	28.6	43.0

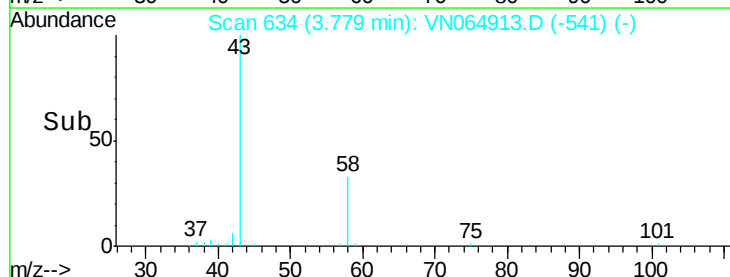
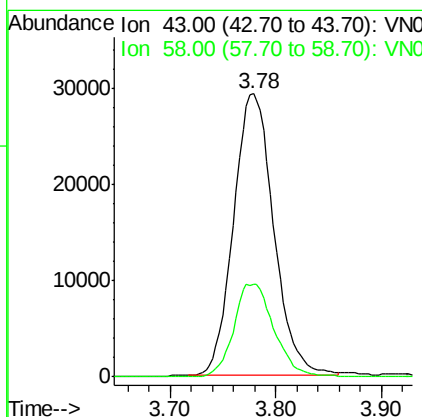
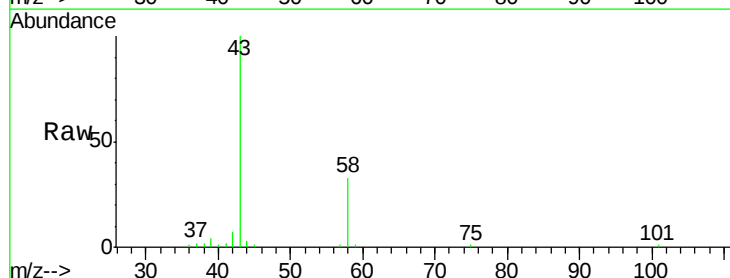
Manual Integrations
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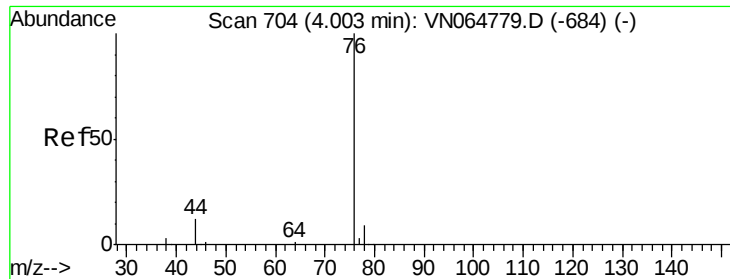
MMDadoda
 12/7/2020 10:45:33 AM



#16
 Acetone
 Concen: 89.671 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.7	38.5





#17

Carbon Disulfide

Concen: 16.521 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 76 Resp: 93675

Ion Ratio Lower Upper

76 100

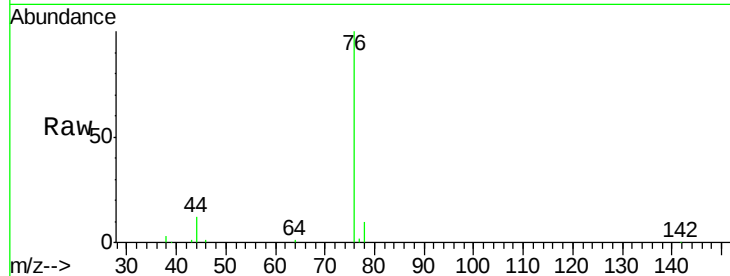
78 9.6 7.4 11.0

Manual Integrations

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MMDadoda

12/7/2020 10:45:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VN064913.D (-610) (-)

Ion 77.90 (77.60 to 78.60): VN064913.D (-610) (-)

4.01

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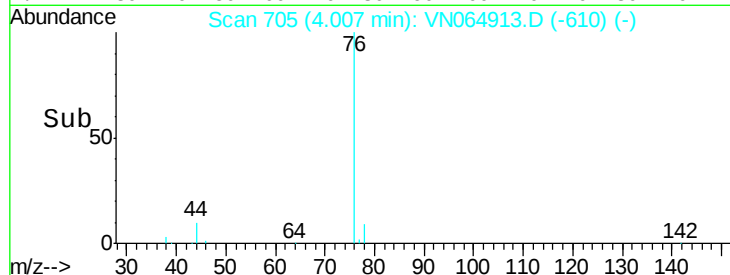
4.01

4.01

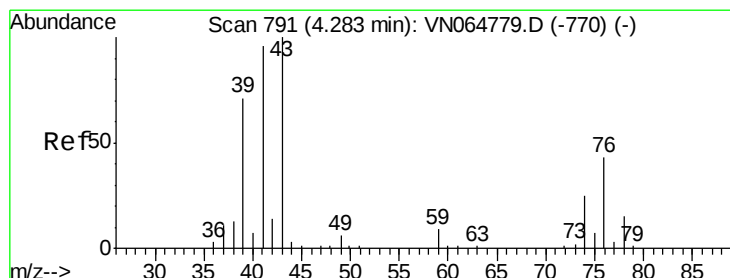
4.01

4.01

4.01



Time-->



#18

Methyl Acetate

Concen: 19.179 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064913.D

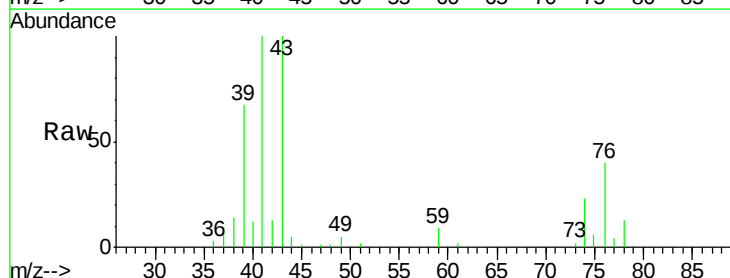
Acq: 4 Dec 2020 12:52

Tgt Ion: 43 Resp: 49915

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064913.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064913.D (-698) (-)

4.28

4.28

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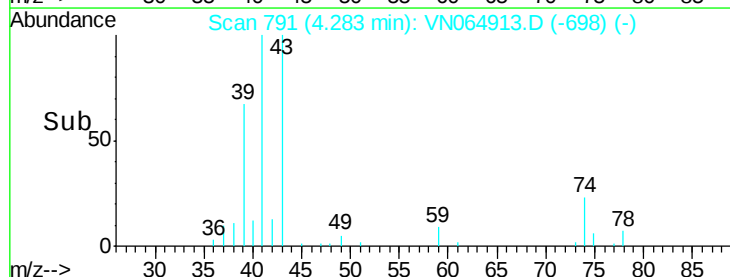
4.28

4.28

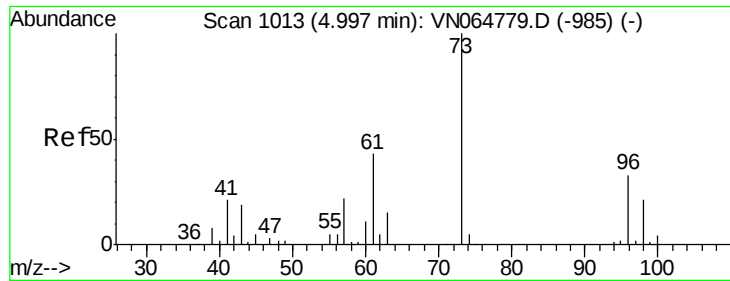
4.28

4.28

4.28



Time-->



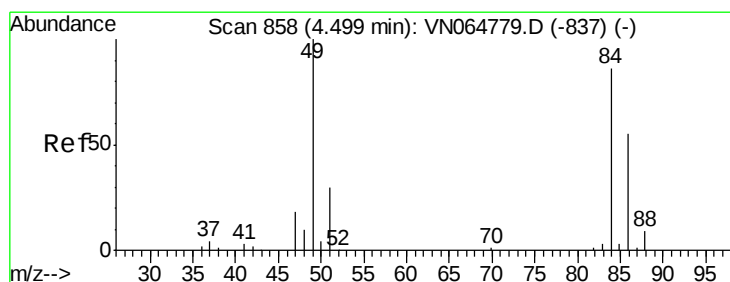
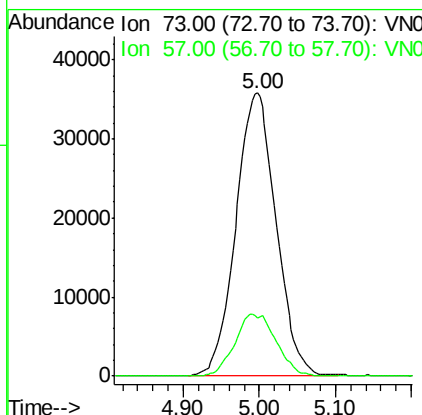
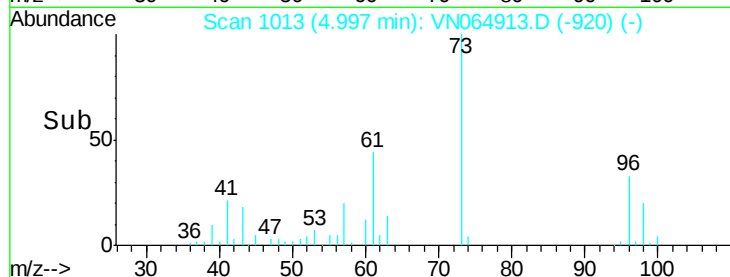
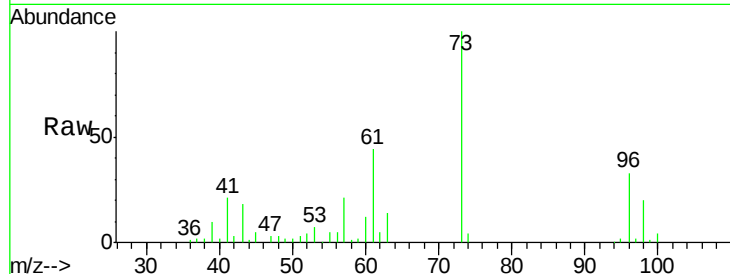
#19
Methvl tert-butvl Ether
Concen: 18.673 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion: 73 Resp: 131544
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0

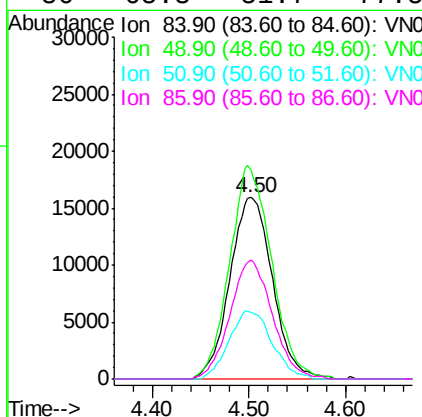
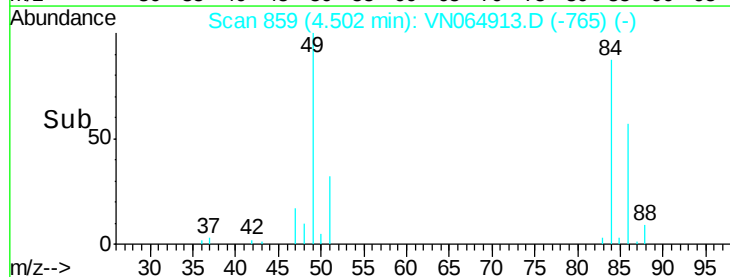
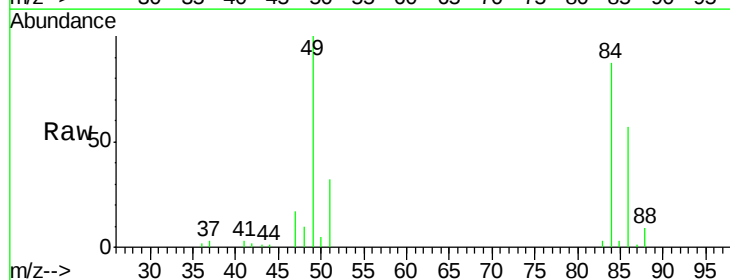
Manual Integrations
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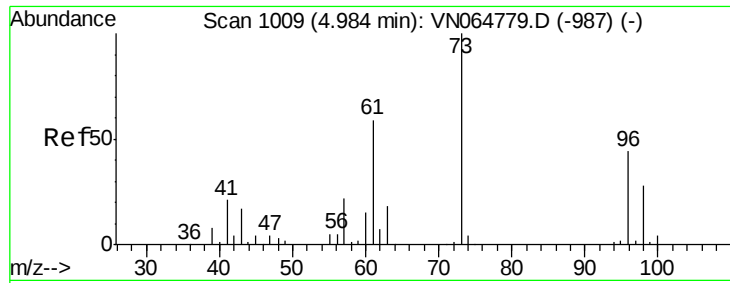
MMDadoda
12/7/2020 10:45:33 AM



#20
Methylene Chloride
Concen: 18.000 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion: 84 Resp: 48827
Ion Ratio Lower Upper
84 100
49 114.8 93.4 140.0
51 36.5 28.2 42.4
86 65.3 51.7 77.5





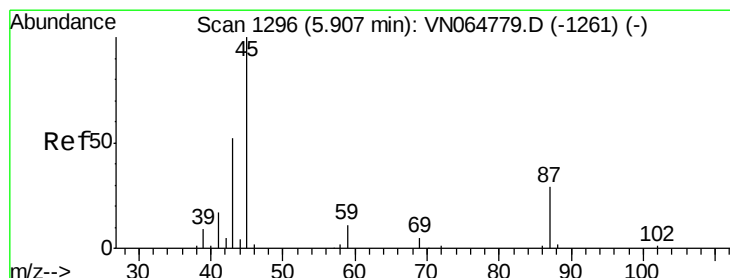
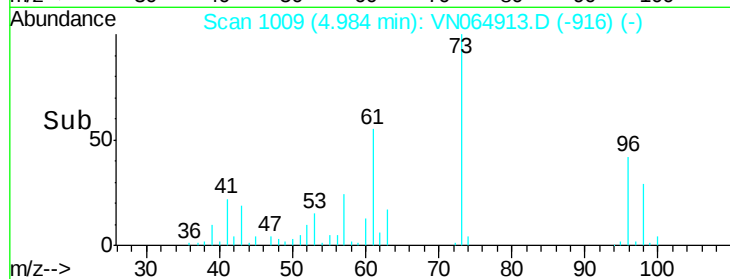
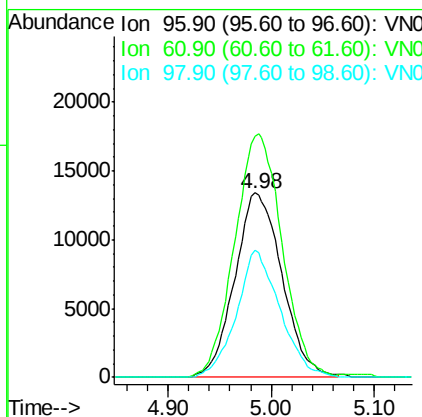
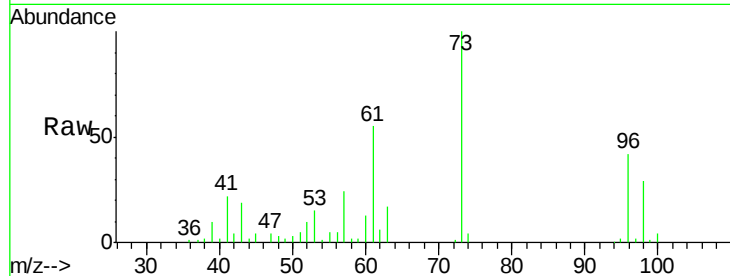
#21
trans-1,2-Dichloroethene
Concen: 17.494 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	108.4	162.6
98	69.0	51.3	76.9

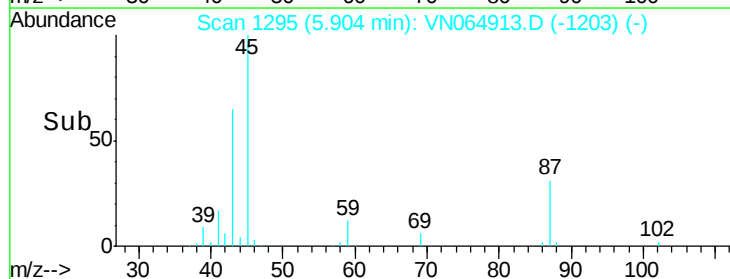
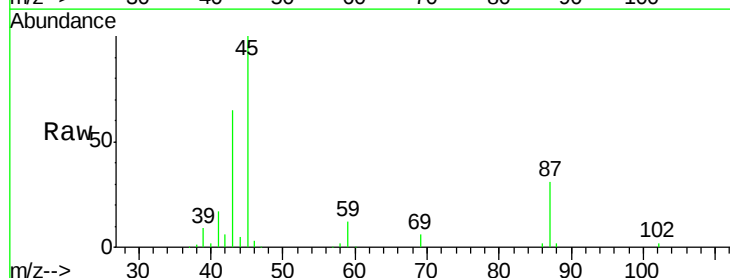
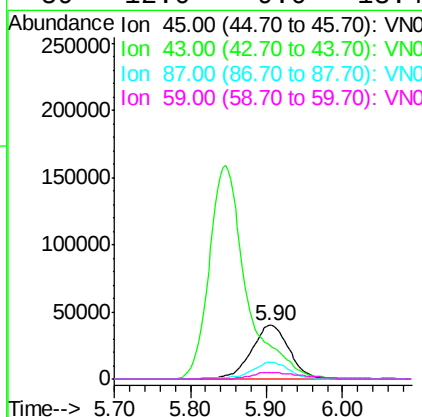
Manual Integrations
APPROVED

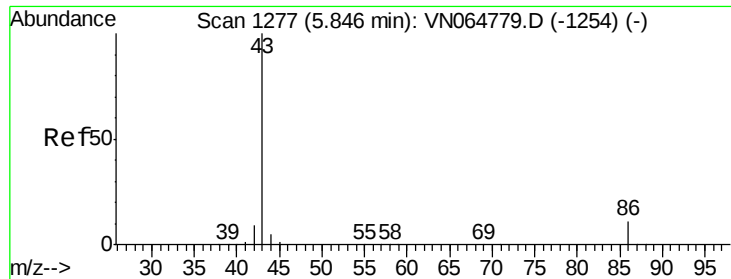
MMDadoda
12/7/2020 10:45:33 AM



#22
Diisopropyl ether
Concen: 18.986 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.2	69.2
87	31.3	24.1	36.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 92.644 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 43 Resp: 537209

Ion Ratio Lower Upper

43 100

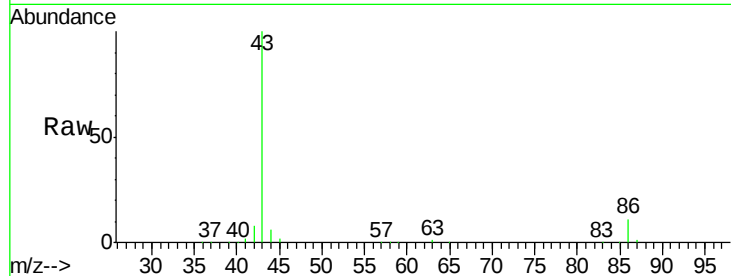
86 11.1 8.9 13.3

Manual Integrations

APPROVED

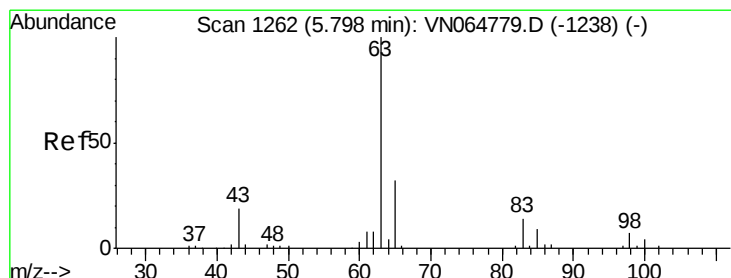
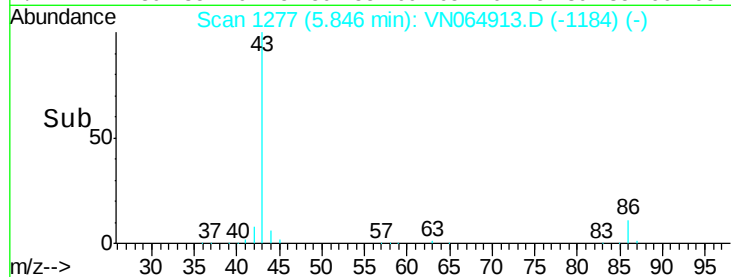
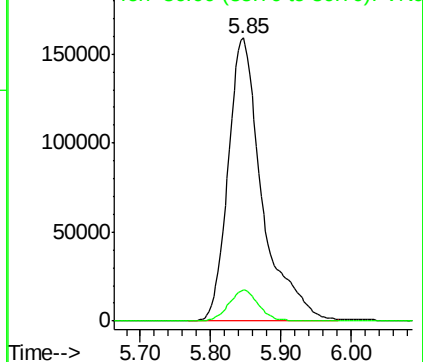
MMDadoda

12/7/2020 10:45:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.442 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

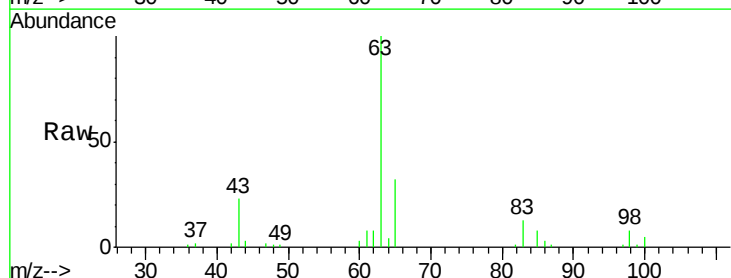
Tgt Ion: 63 Resp: 79920

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

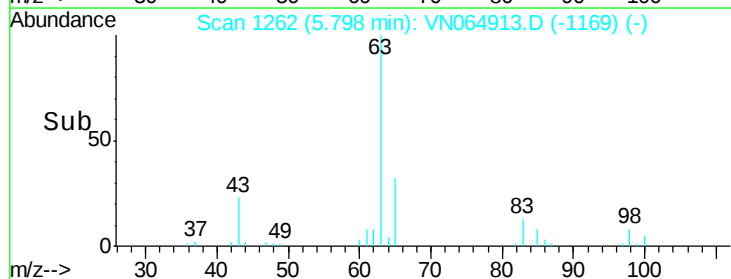
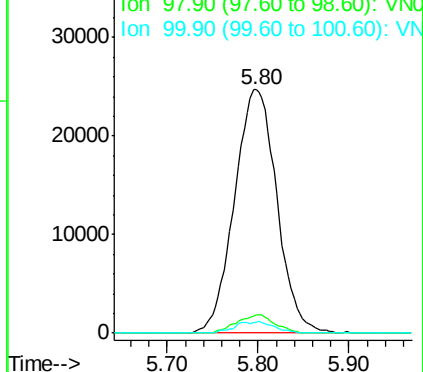
100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.739 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 43 Resp: 131541

Ion Ratio Lower Upper

43 100

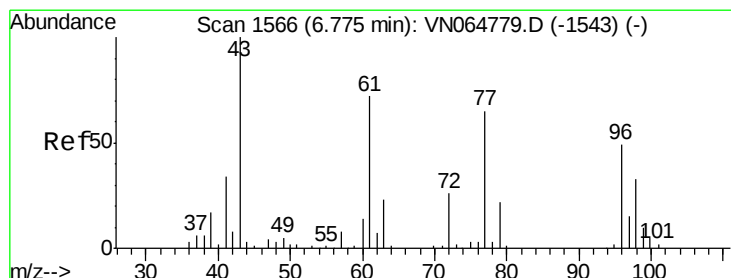
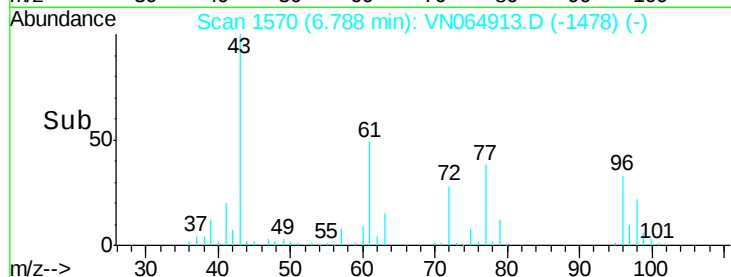
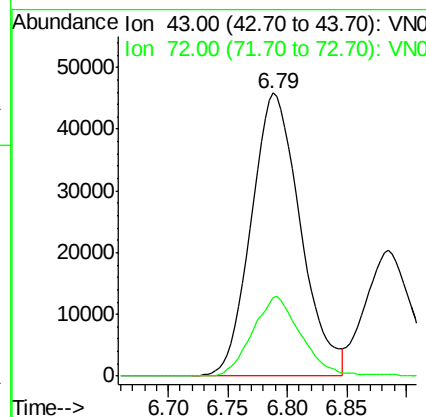
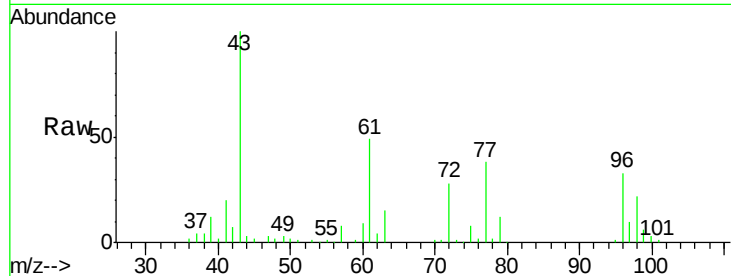
72 27.7 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

12/7/2020 10:45:33 AM



#26

2,2-Dichloropropane

Concen: 18.031 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064913.D

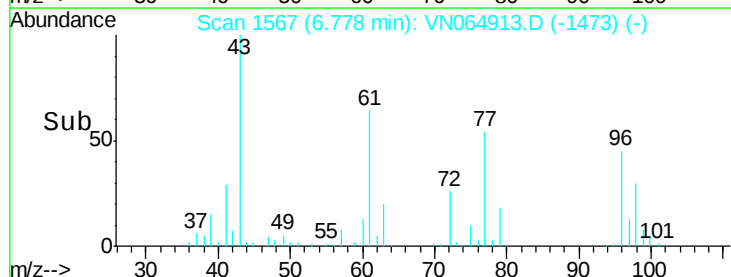
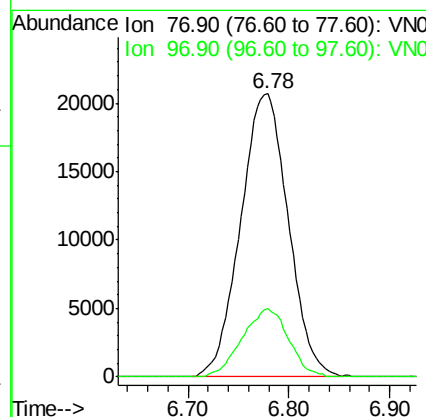
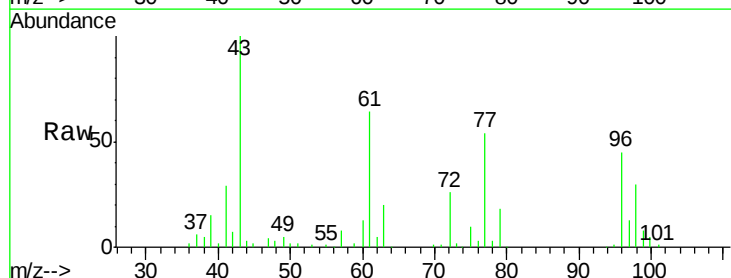
Acq: 4 Dec 2020 12:52

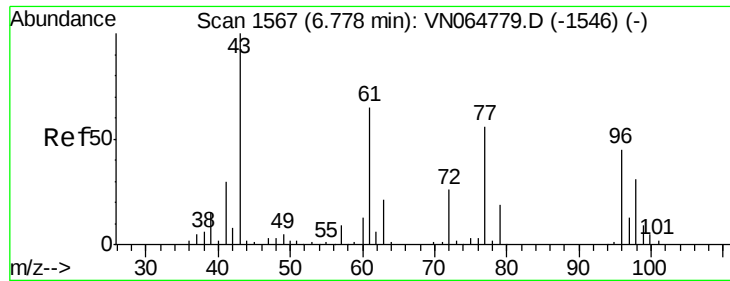
Tgt Ion: 77 Resp: 67769

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





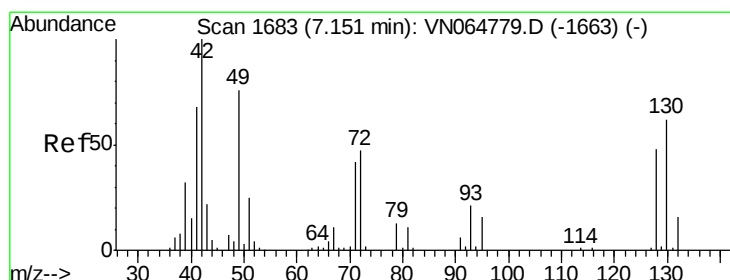
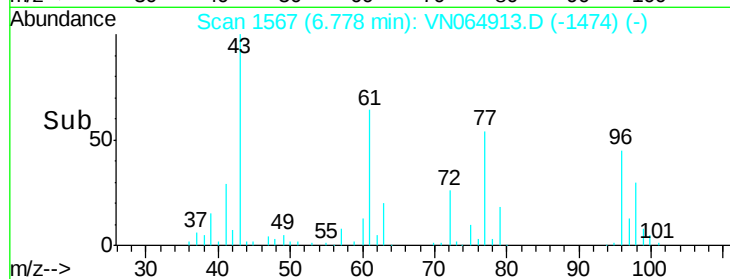
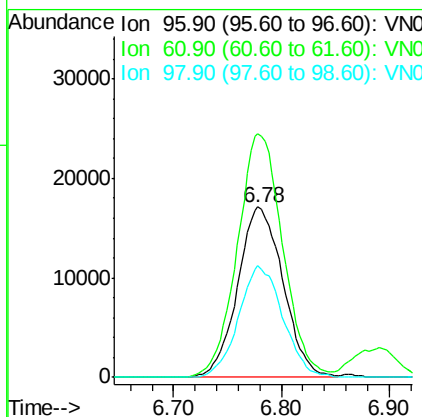
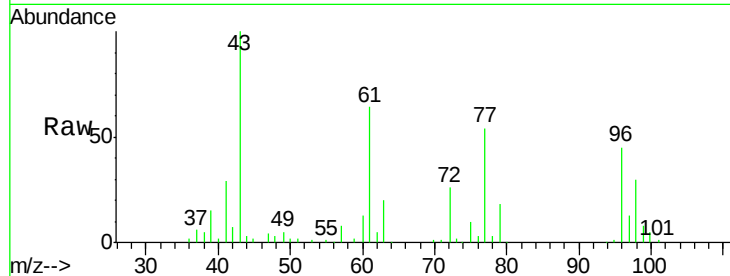
#27
 cis-1,2-Dichloroethene
 Concen: 18.233 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	285.8	
98	63.7	0.0	130.6	

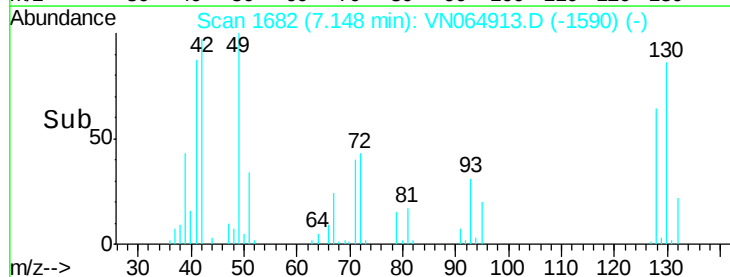
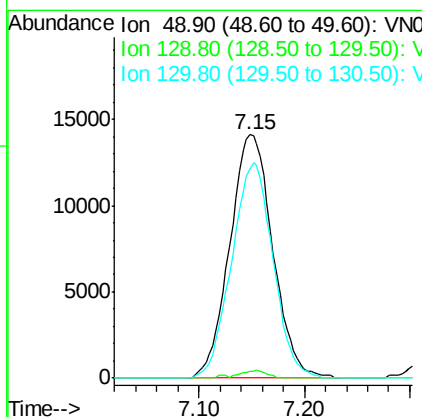
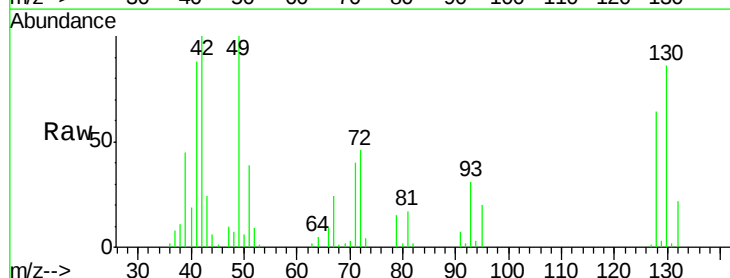
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 12/7/2020 10:45:33 AM



#28
 Bromochloromethane
 Concen: 20.137 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	85.2	66.2	99.2	





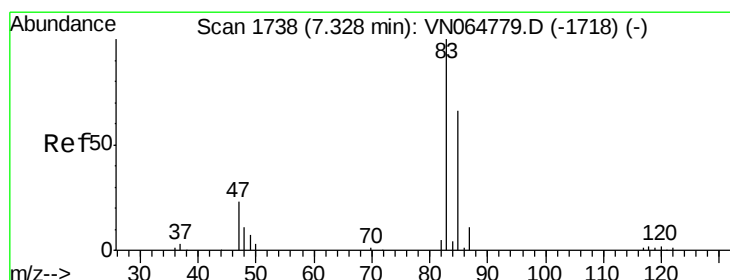
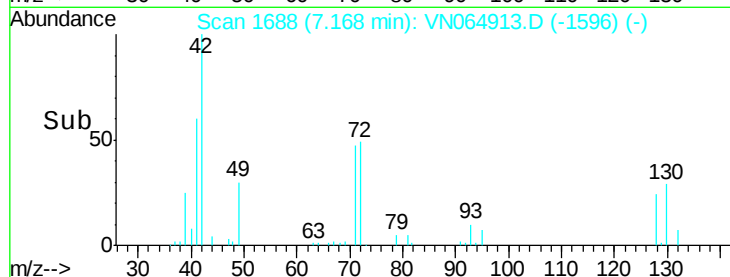
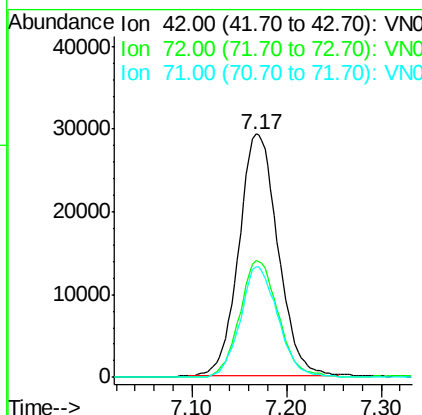
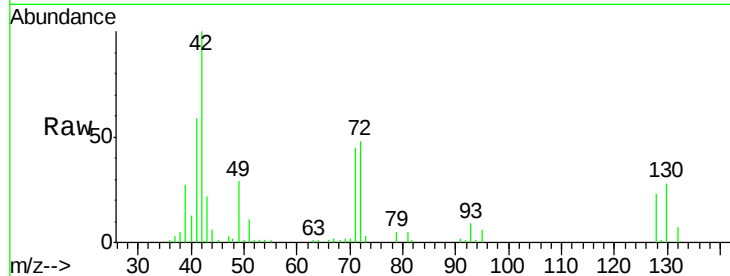
#29
Tetrahydrofuran
Concen: 86.499 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	36.6	54.8
71	44.1	33.6	50.4

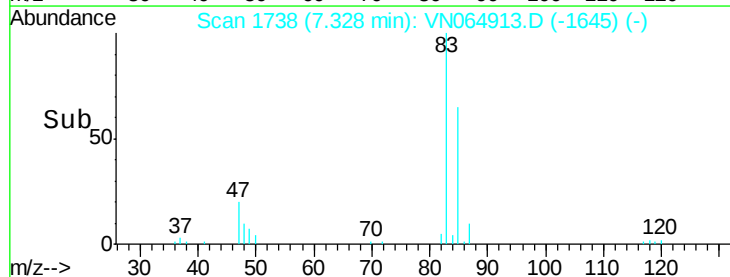
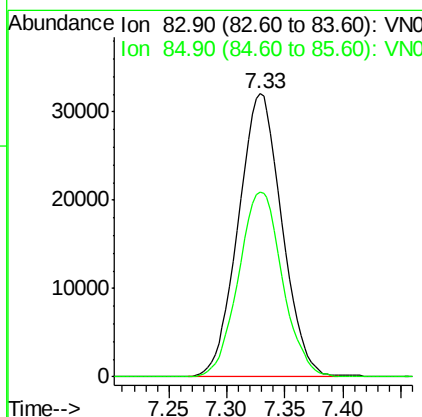
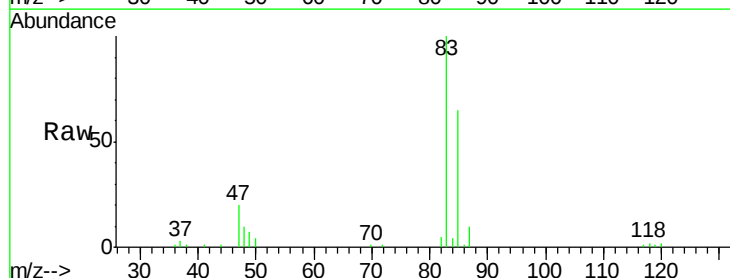
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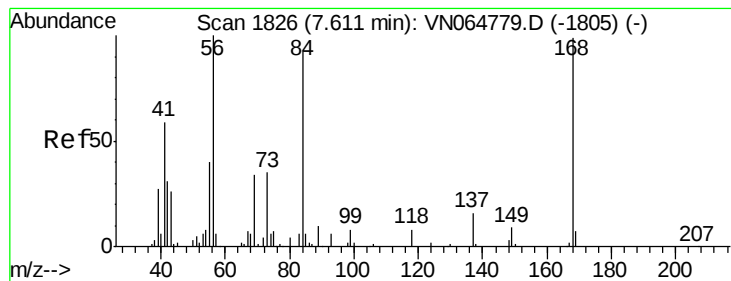
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#30
Chloroform
Concen: 18.802 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





#31

Cyclohexane

Concen: 16.878 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

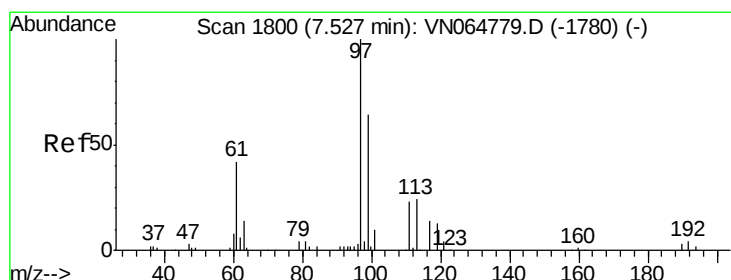
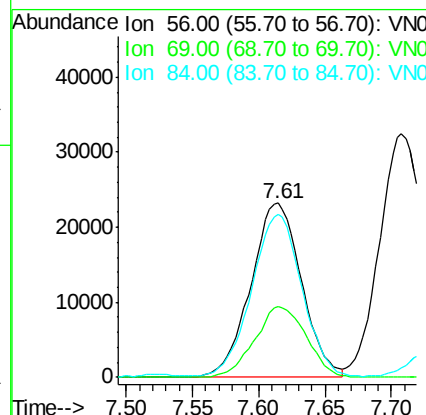
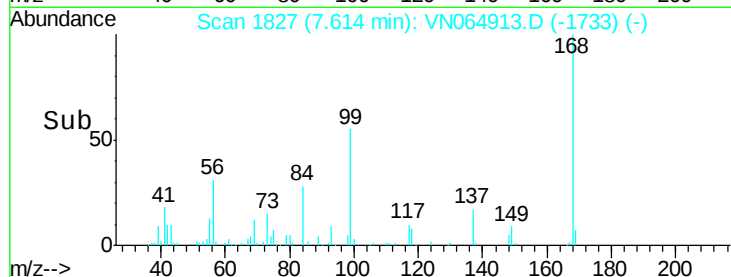
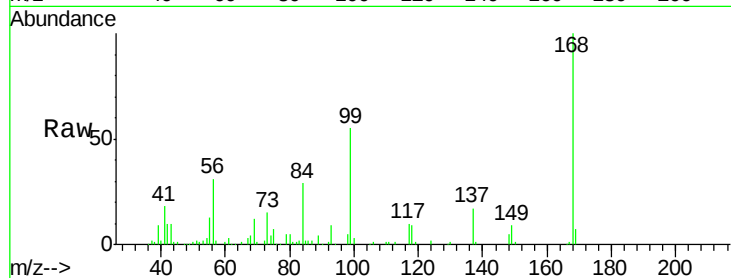
ClientSampled :

VN1204MBS01

Tot Ion:	56	Resp:	61946
Ion Ratio	Lower	Upper	
56	100		
69	40.6	27.5	41.3
84	92.9	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.970 ug/l

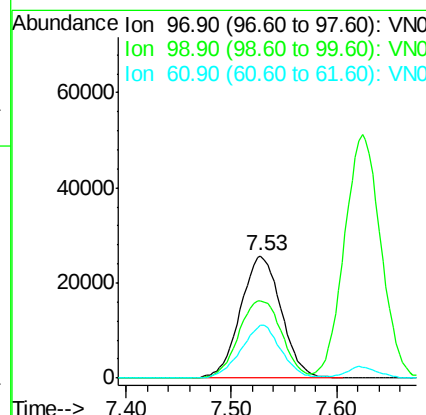
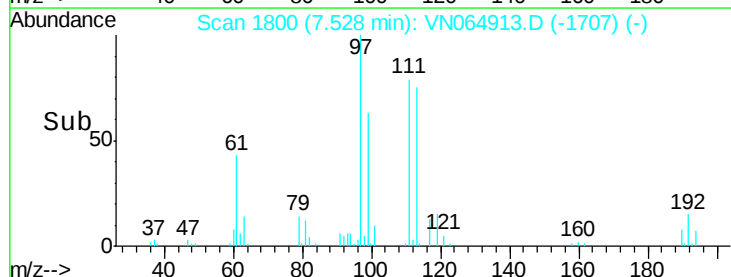
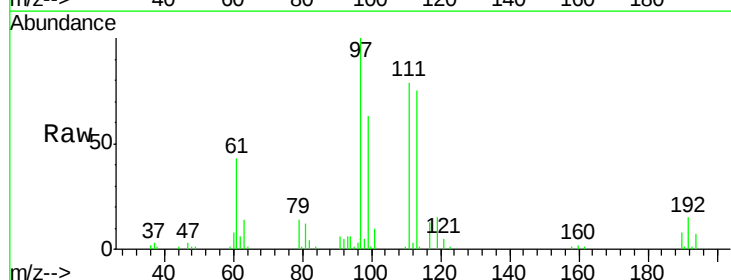
RT: 7.53 min Scan# 1800

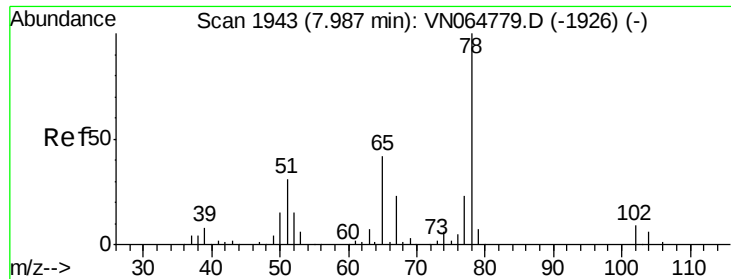
Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	97	Resp:	68974
Ion Ratio	Lower	Upper	
97	100		
99	67.1	51.7	77.5
61	42.2	33.9	50.9





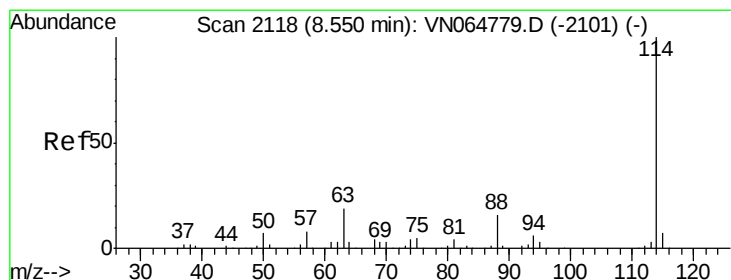
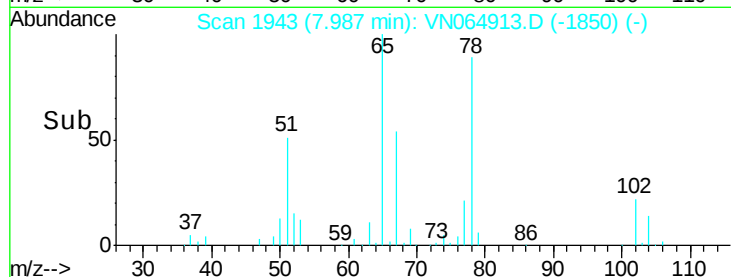
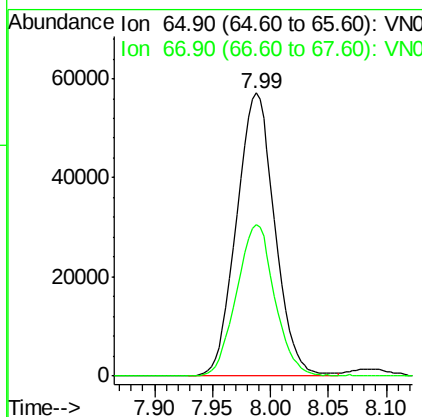
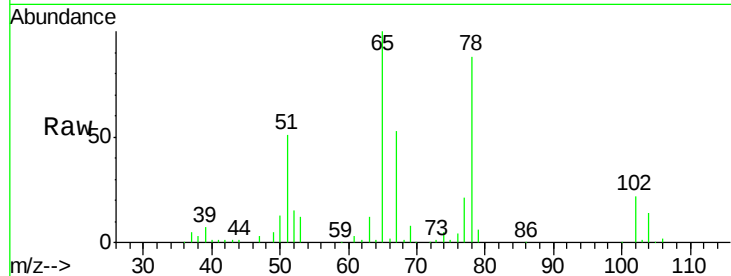
#33
 1,2-Dichloroethane-d4
 Concen: 49.727 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	108.2	

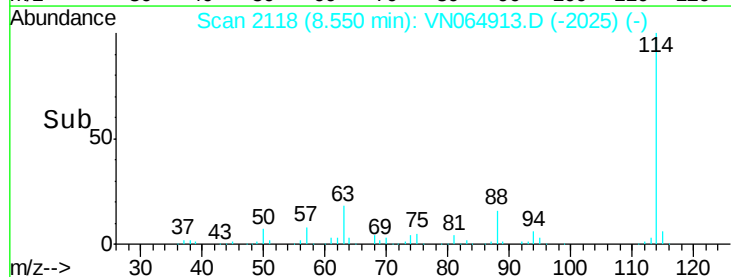
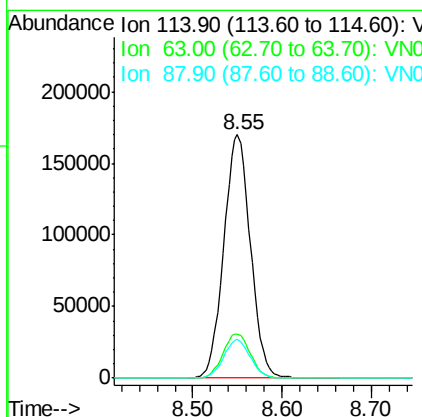
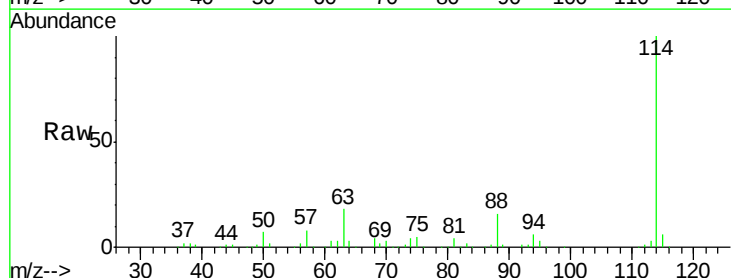
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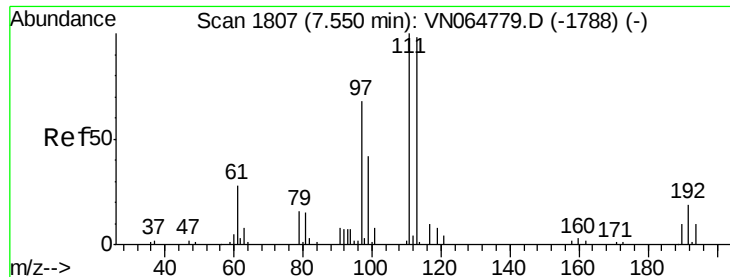
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	38.6	
88	15.9	0.0	32.6	





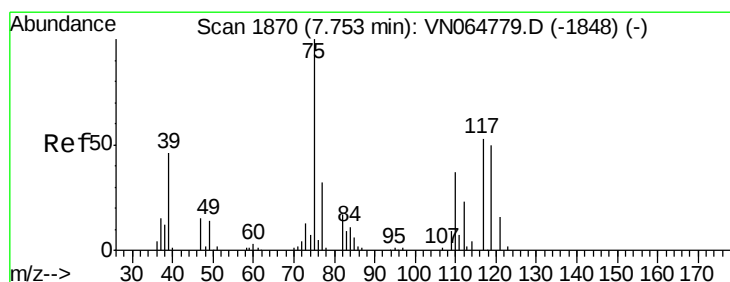
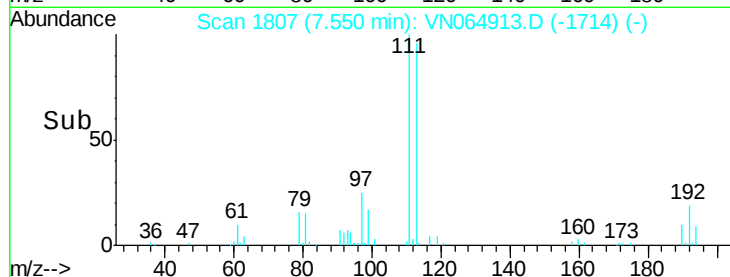
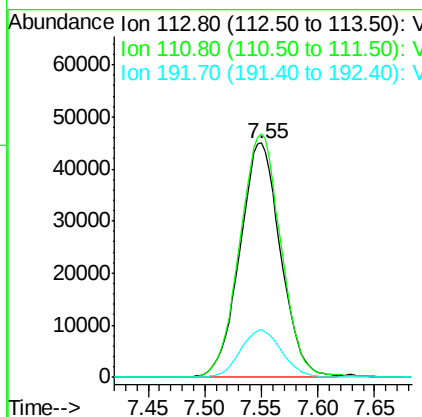
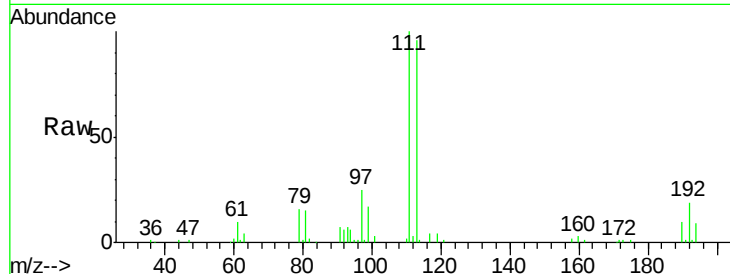
#35
Dibromofluoromethane
Concen: 53.544 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.2	81.6	122.4	
192	20.4	16.2	24.2	

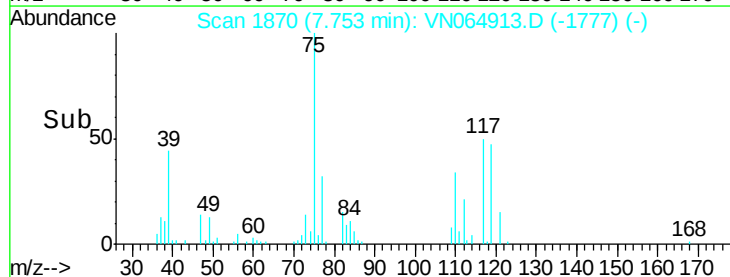
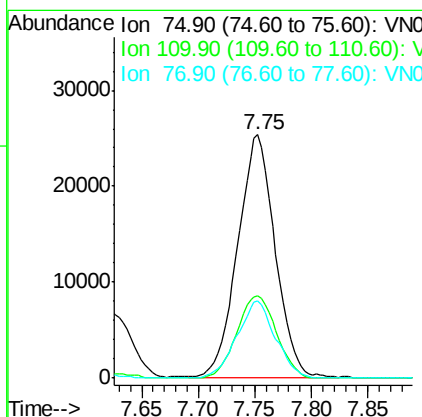
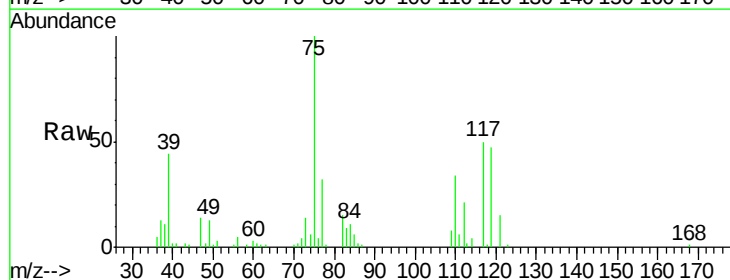
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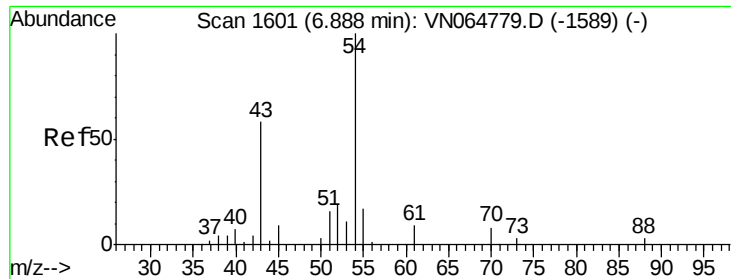
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#36
1,1-Dichloropropene
Concen: 17.990 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	17.8	53.3	
77	32.2	25.0	37.4	





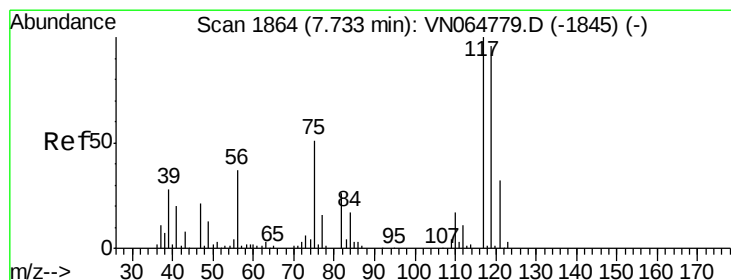
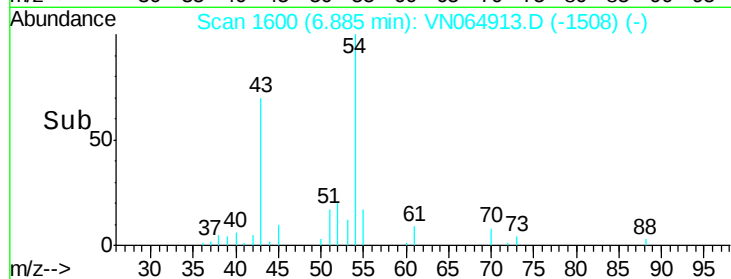
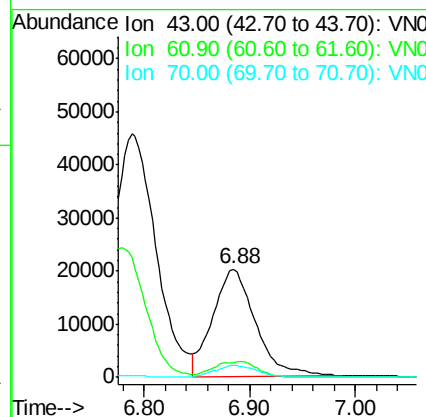
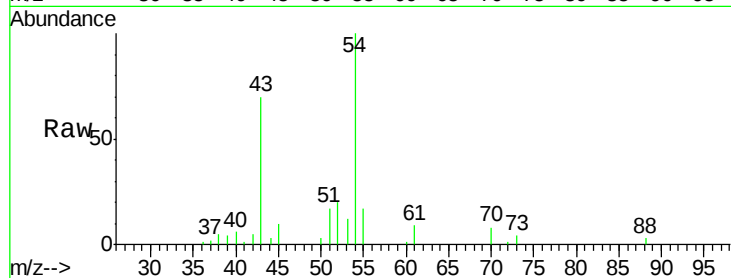
#37
Ethyl Acetate
Concen: 18.027 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.8	19.2
70	11.0	8.8	13.2

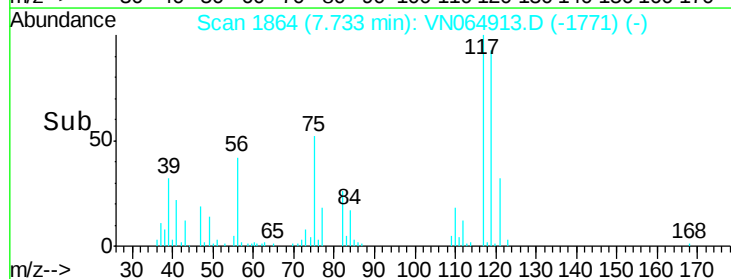
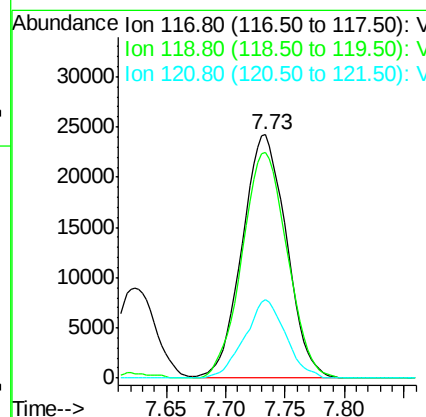
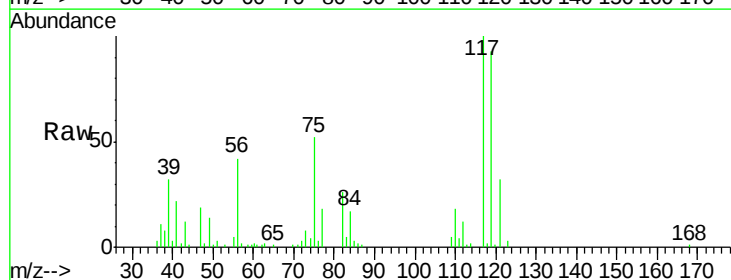
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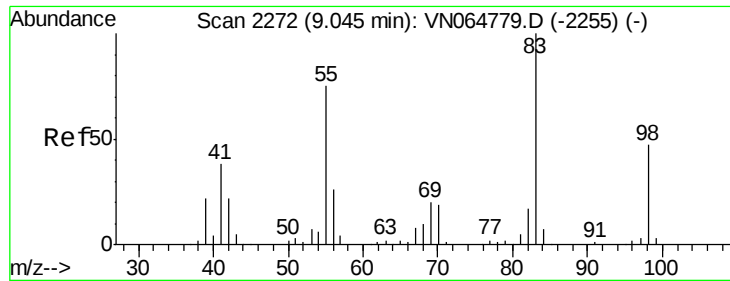
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#38
Carbon Tetrachloride
Concen: 18.429 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.7	115.1
121	32.0	25.4	38.2





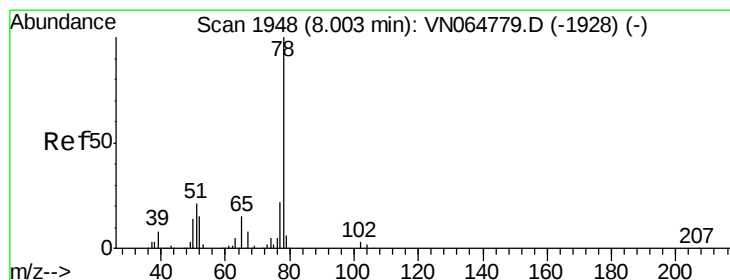
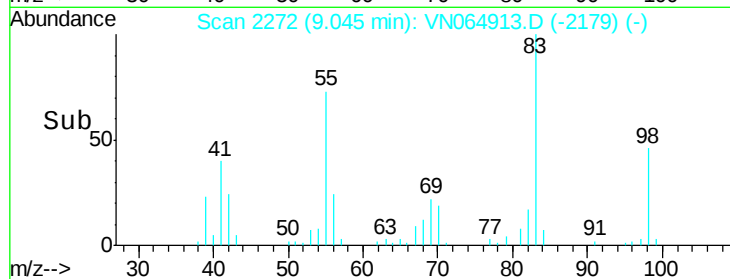
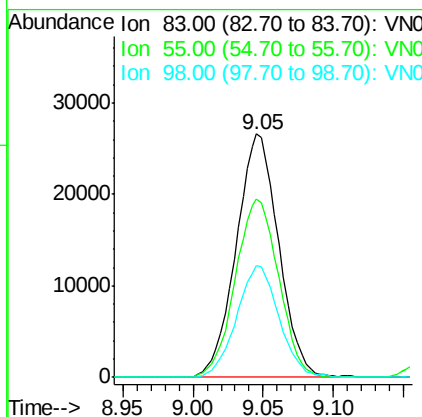
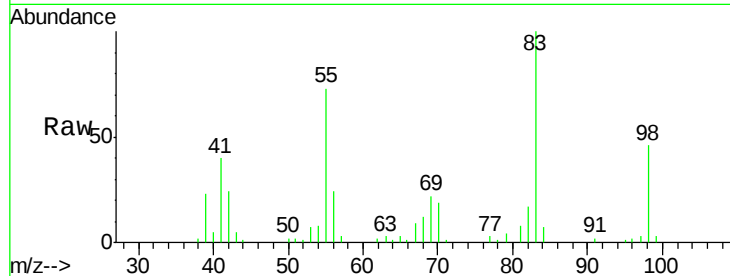
#39
Methvlcvclohexane
Concen: 15.956 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	60.2	90.2
98	45.7	37.4	56.2

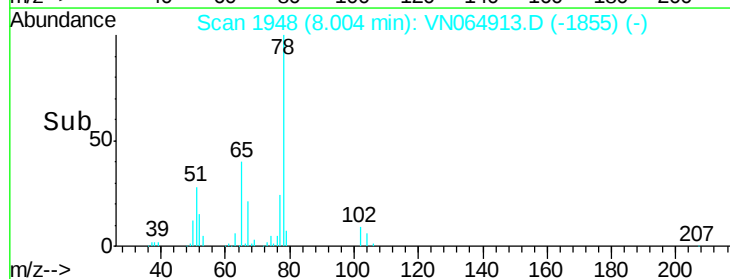
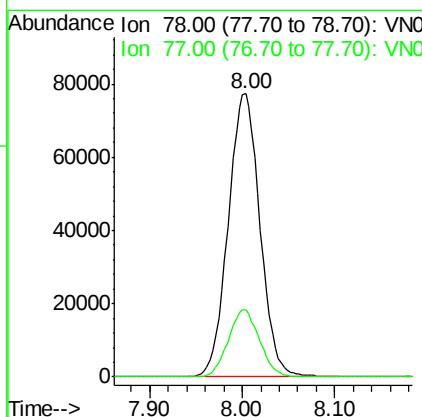
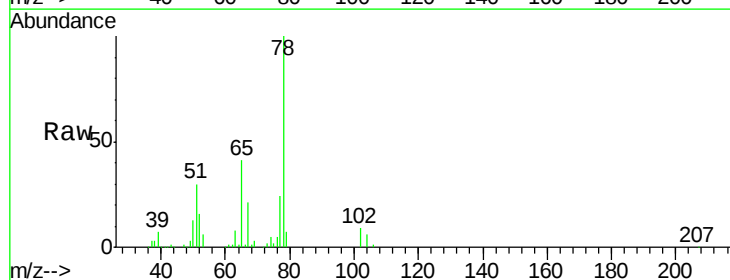
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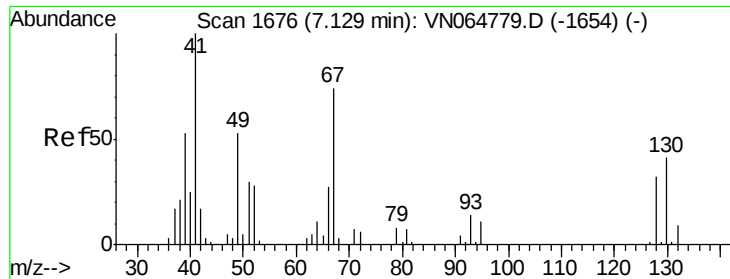
MMDadoda
12/7/2020 10:45:33 AM



#40
Benzene
Concen: 18.334 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.9	26.9





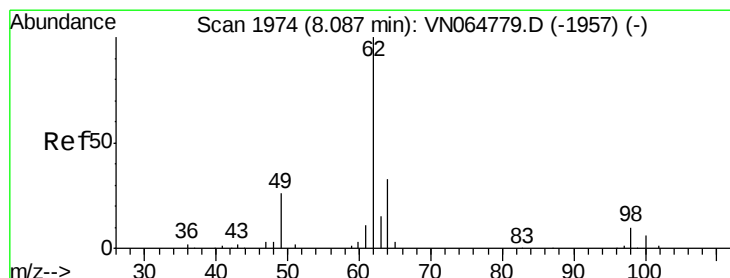
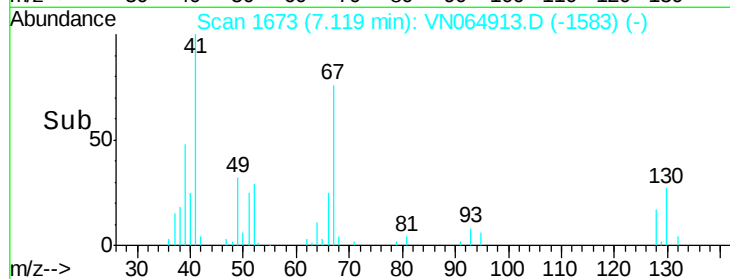
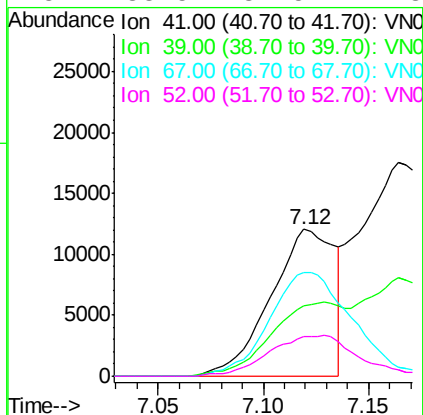
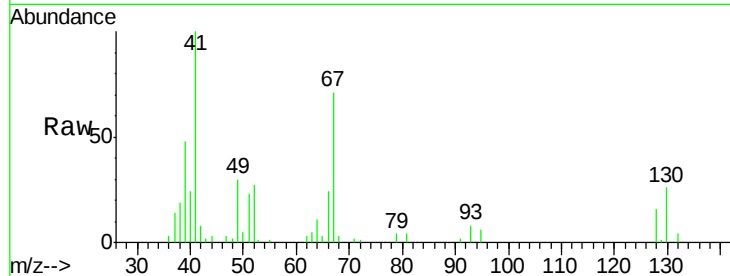
#41
Methacrylonitrile
Concen: 17.448 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion:	41	Resp:	25284
Ion	Ratio	Lower	Upper
41	100		
39	56.6	51.0	76.6
67	92.4	79.8	119.8
52	38.5	31.5	47.3

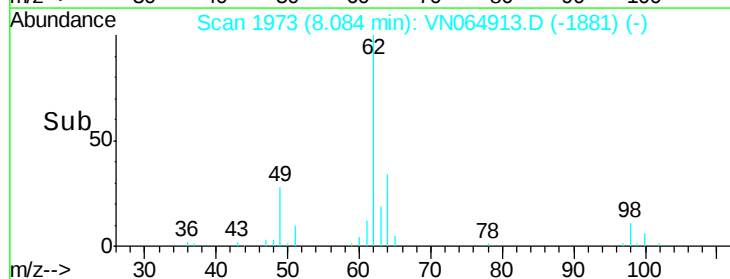
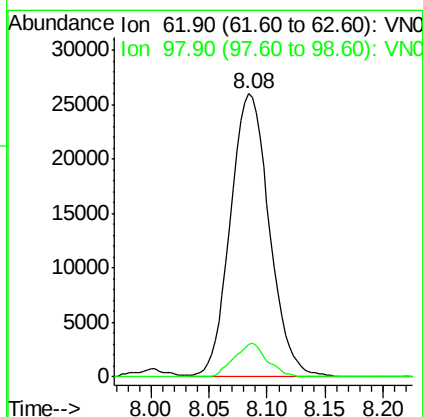
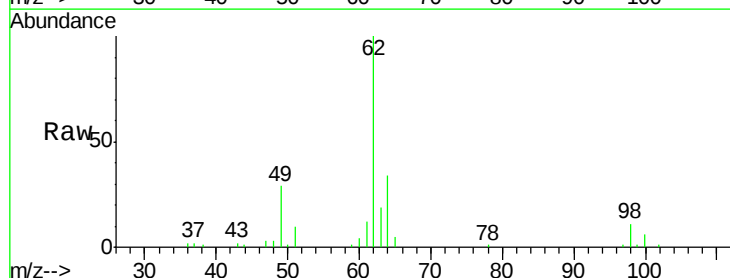
Manual Integrations
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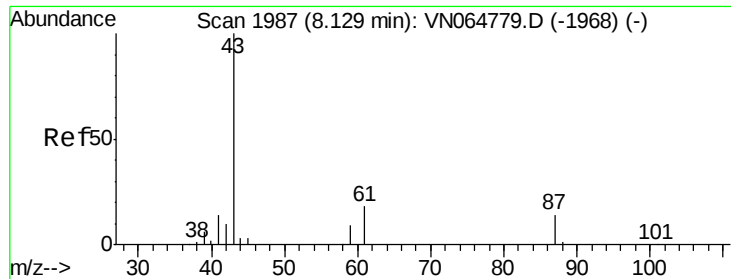
MMDadoda
12/7/2020 10:45:33 AM



#42
1,2-Dichloroethane
Concen: 18.026 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion:	62	Resp:	60755
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





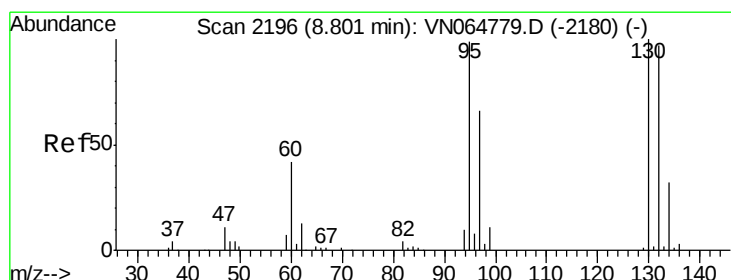
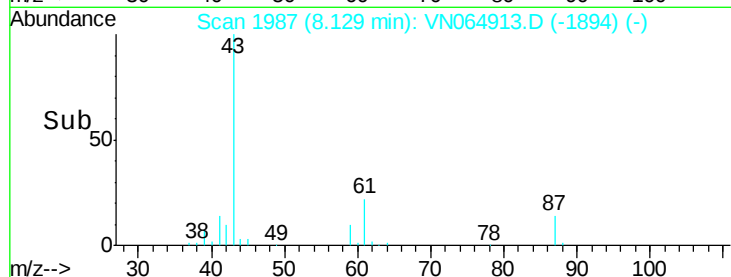
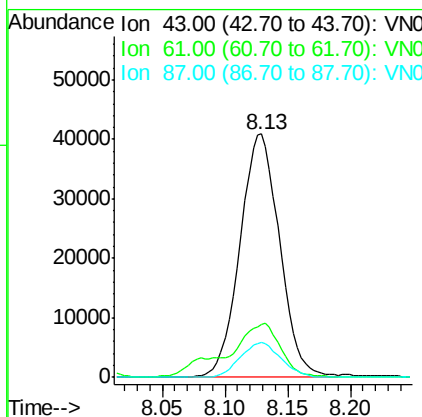
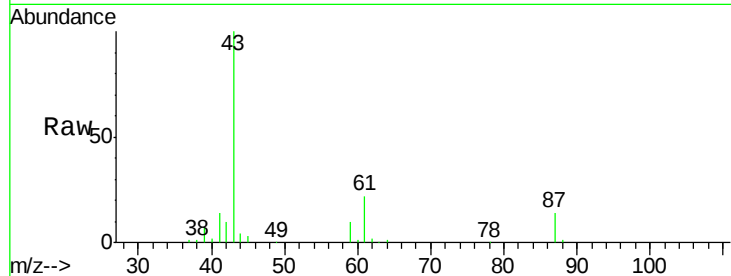
#43
Isopropyl Acetate
Concen: 17.812 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	17.2	25.8
87	14.6	11.4	17.0

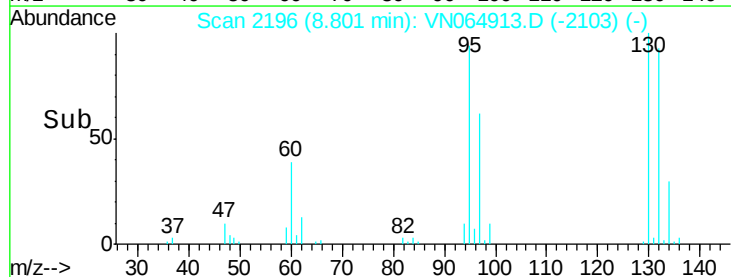
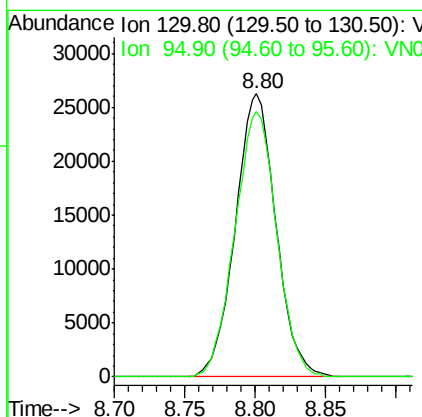
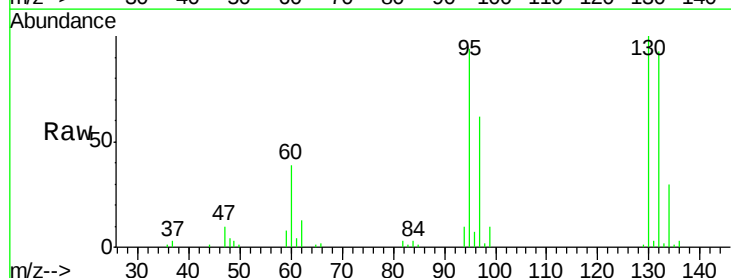
Manual Integrations
APPROVED

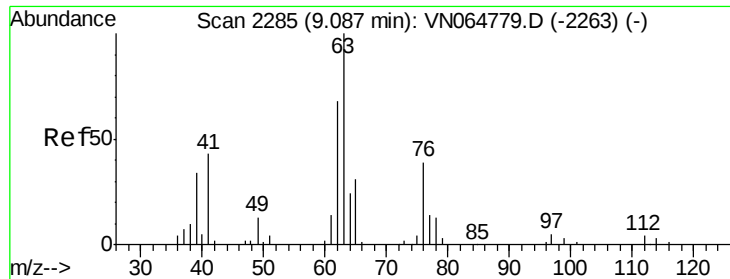
MMDadoda
12/7/2020 10:45:33 AM



#44
Trichloroethene
Concen: 17.957 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	197.8





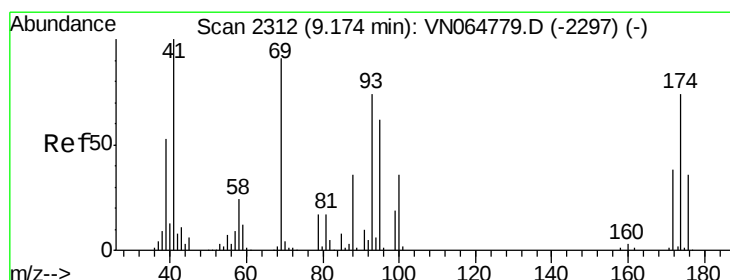
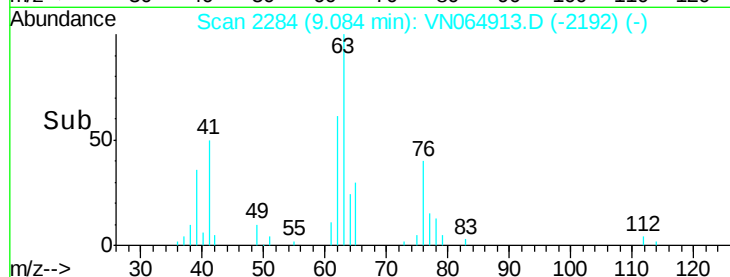
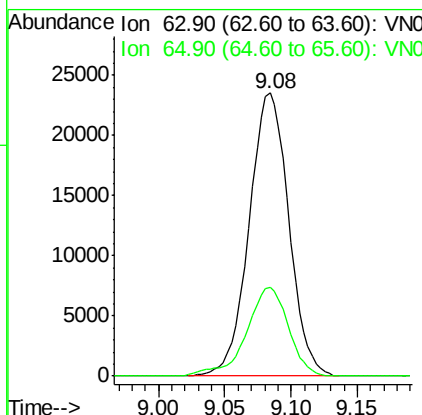
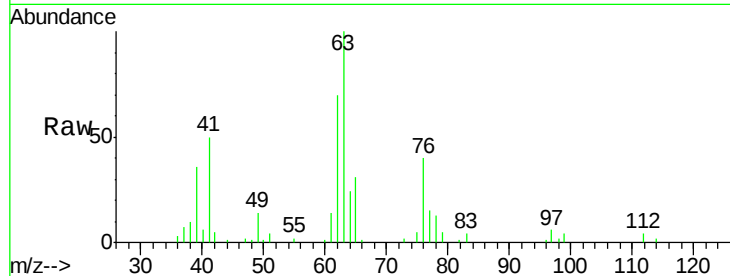
#45
 1,2-Dichloropropane
 Concen: 18.898 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion: 63 Resp: 48895
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

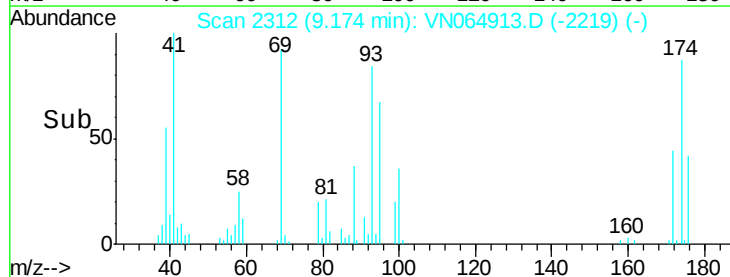
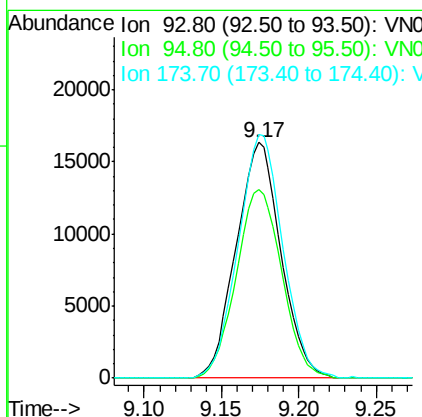
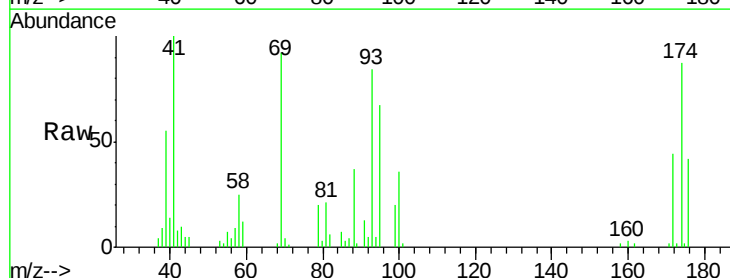
Manual Integrations
 APPROVED

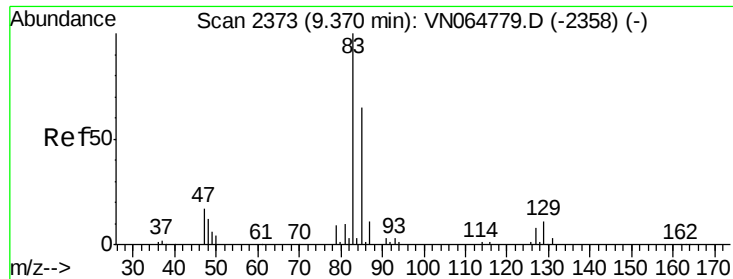
MMDadoda
 12/7/2020 10:45:33 AM



#46
 Dibromomethane
 Concen: 19.033 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion: 93 Resp: 32898
 Ion Ratio Lower Upper
 93 100
 95 81.6 68.8 103.2
 174 103.3 83.1 124.7





#47

Bromodichloromethane

Concen: 18.928 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

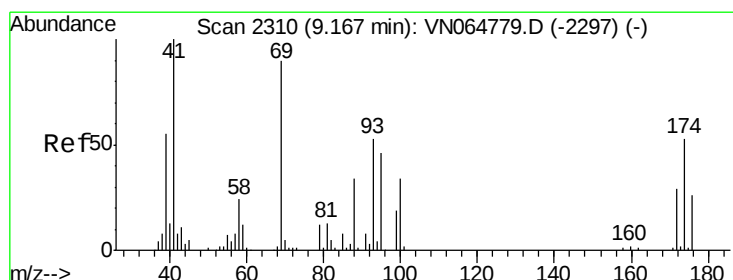
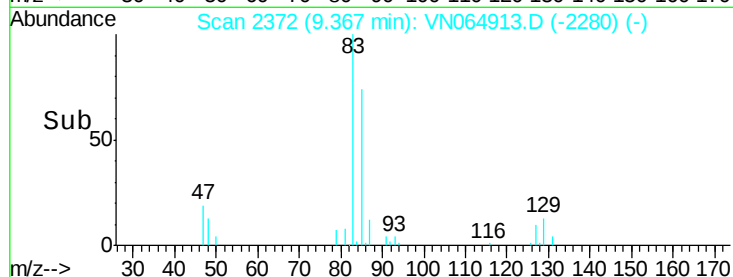
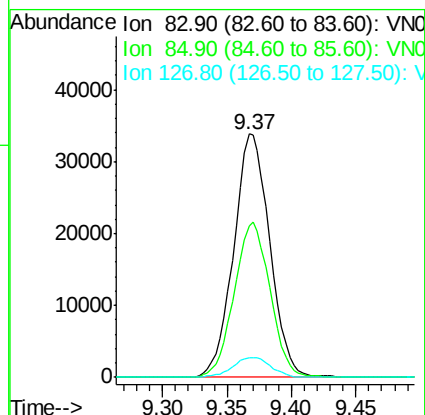
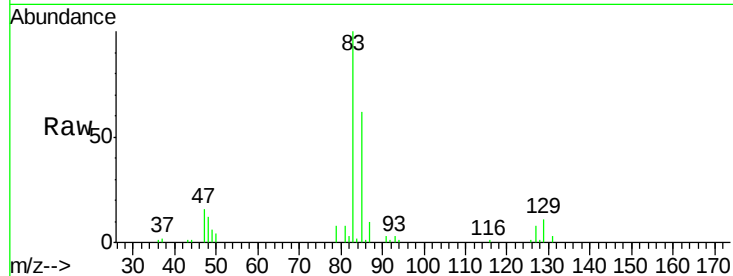
ClientSampled :

VN1204MBS01

Tot Ion:	83	Resp:	65832
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.8	77.8
127	8.1	6.8	10.2

Manual Integrations
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MMDadoda
12/7/2020 10:45:33 AM



#48

Methyl methacrylate

Concen: 17.734 ug/l

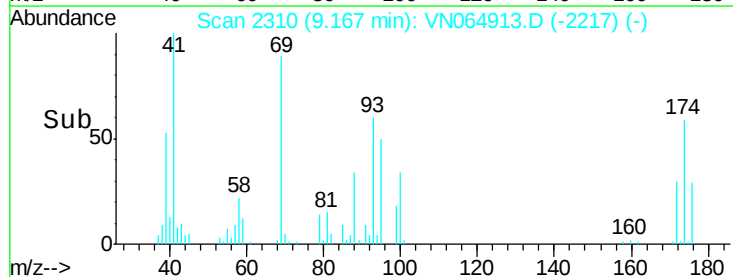
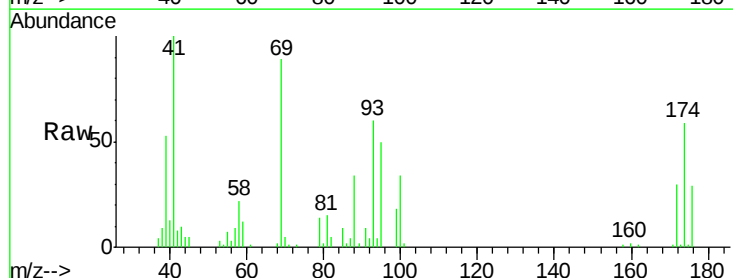
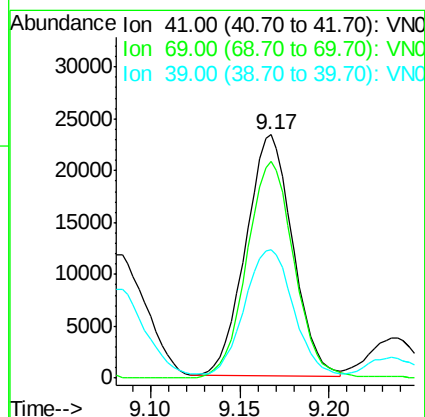
RT: 9.17 min Scan# 2310

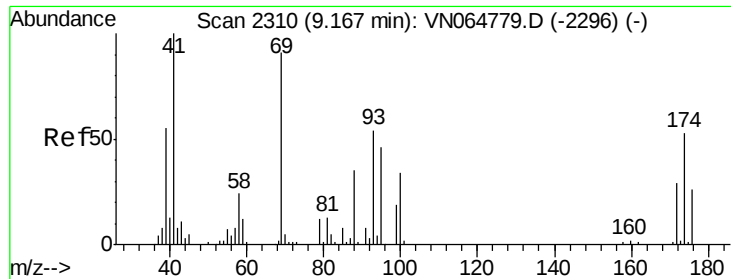
Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	41	Resp:	42823
Ion Ratio	Lower	Upper	
41	100		
69	90.7	71.8	107.8
39	56.9	44.1	66.1





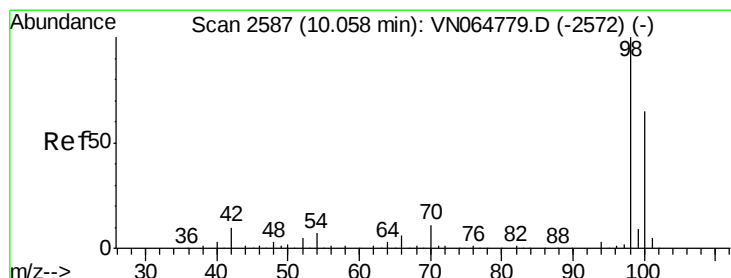
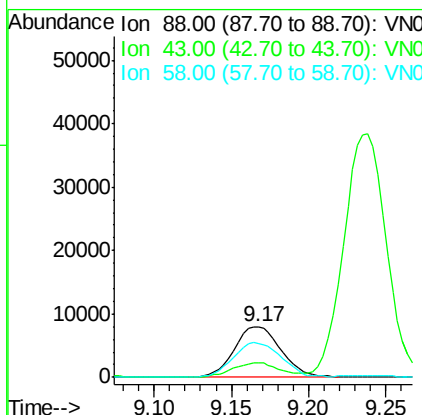
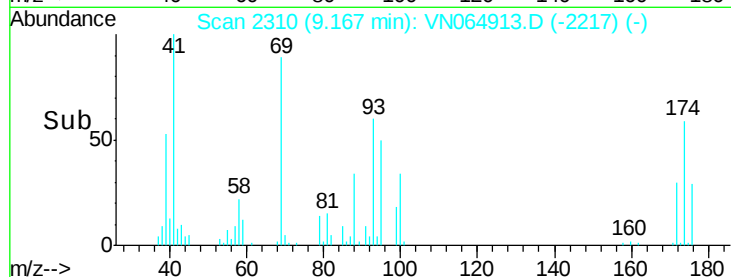
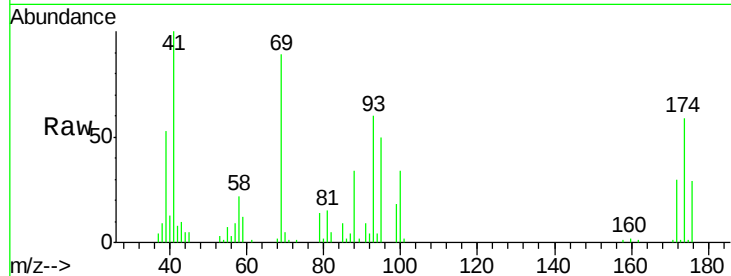
#49
1,4-Dioxane
Concen: 370.399 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	24.2	36.4
58	70.5	52.5	78.7

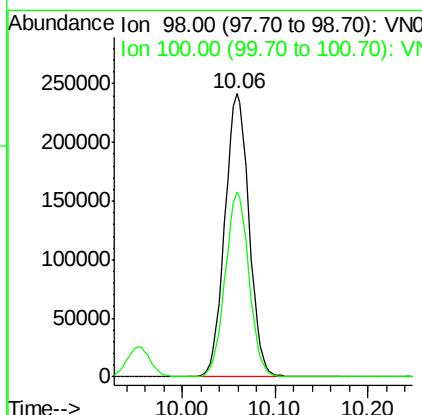
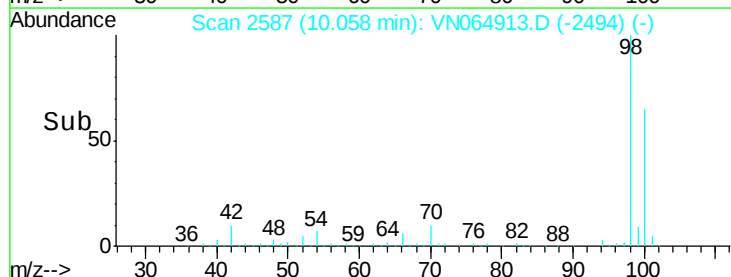
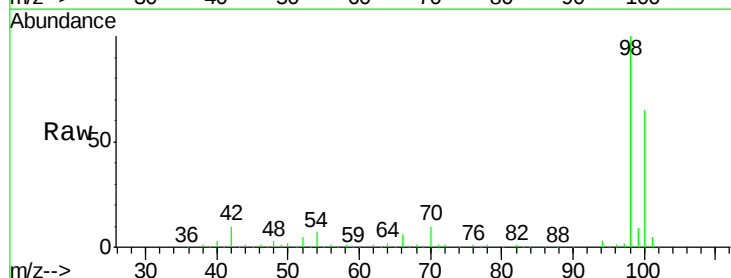
Manual Integrations
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12/7/2020 10:45:33 AM



#50
Toluene-d8
Concen: 50.839 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 91.302 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion: 43 Resp: 277001

Ion Ratio Lower Upper

43 100

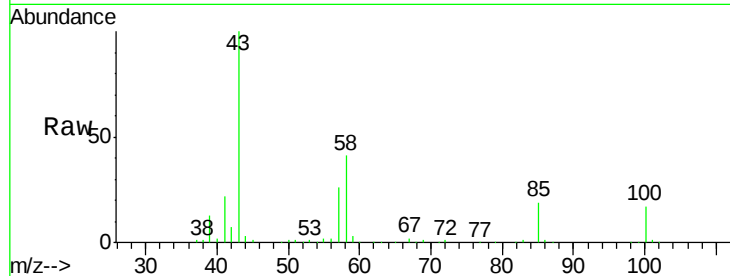
58 41.1 32.4 48.6

Manual Integrations

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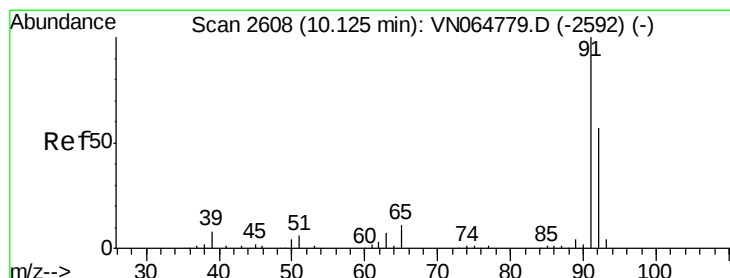
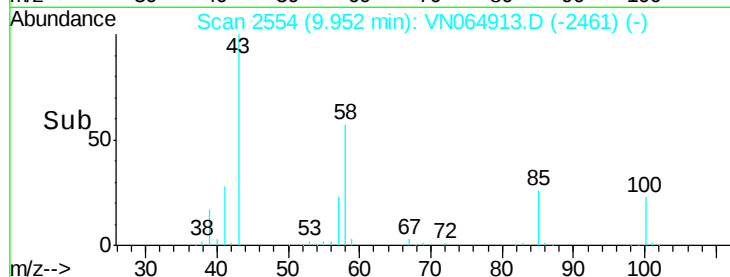
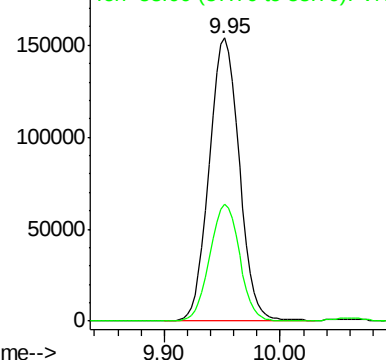
MMDadoda

12/7/2020 10:45:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.931 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064913.D

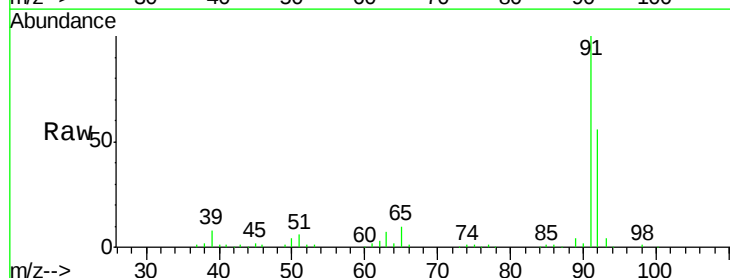
Acq: 4 Dec 2020 12:52

Tgt Ion: 92 Resp: 116475

Ion Ratio Lower Upper

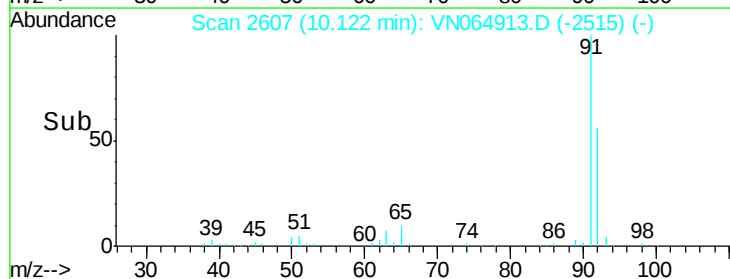
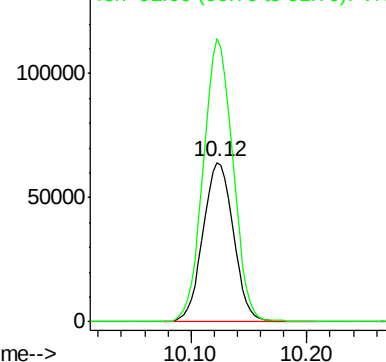
92 100

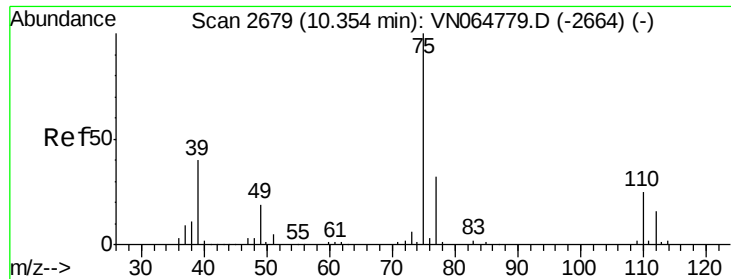
91 172.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





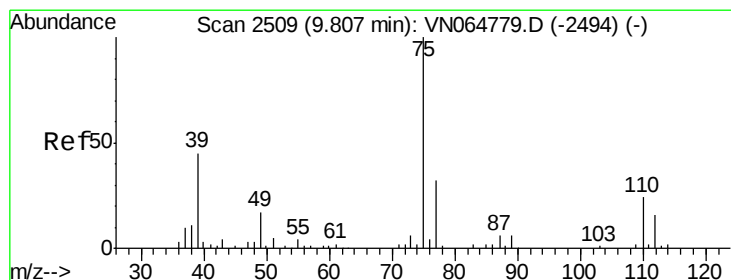
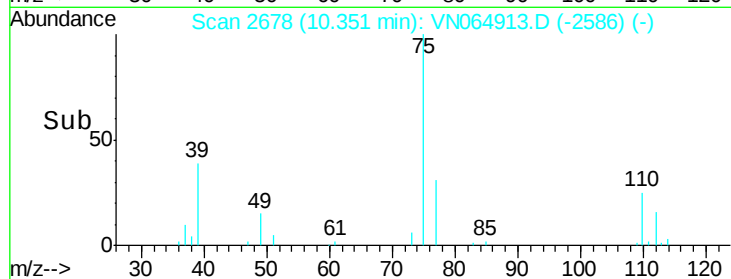
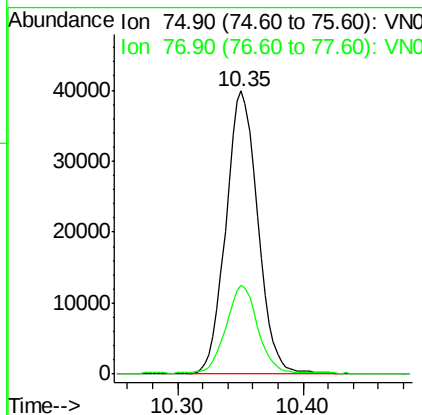
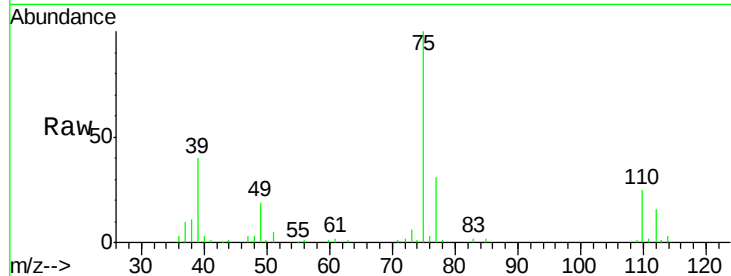
#53
t-1,3-Dichloropropene
Concen: 18.183 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion: 75 Resp: 70435
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6

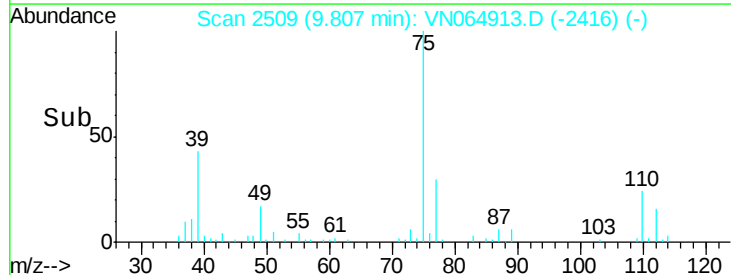
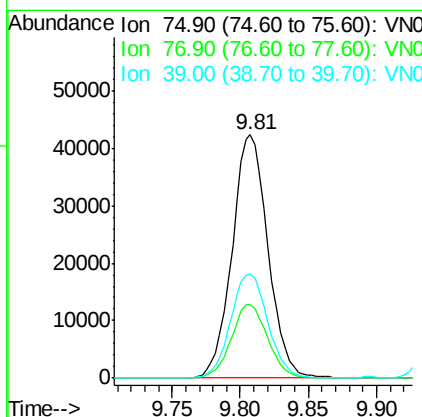
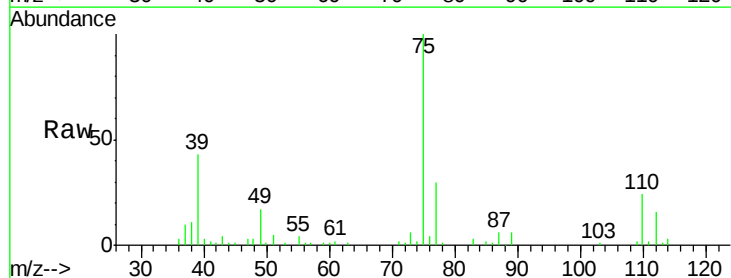
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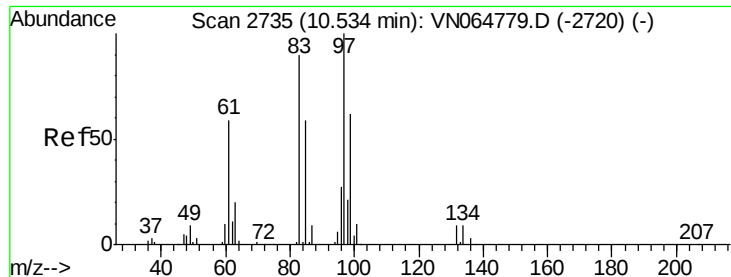
MMDadoda
12/7/2020 10:45:33 AM



#54
cis-1,3-Dichloropropene
Concen: 18.592 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion: 75 Resp: 77196
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3
39 42.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 19.039 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

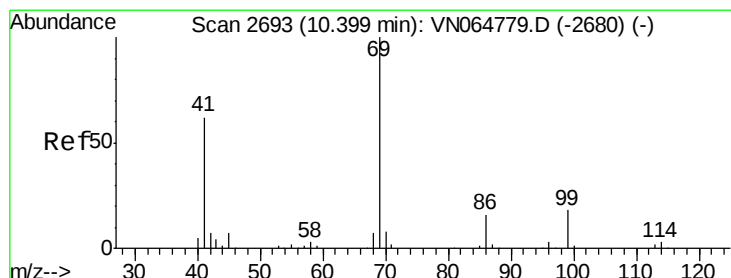
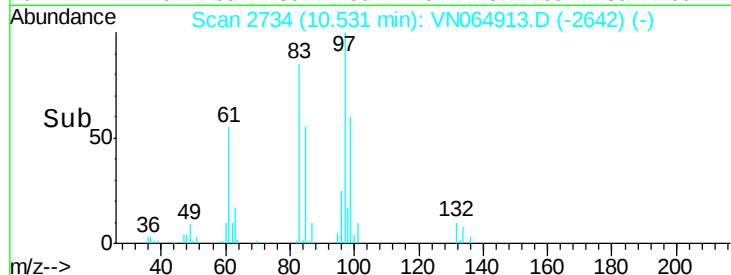
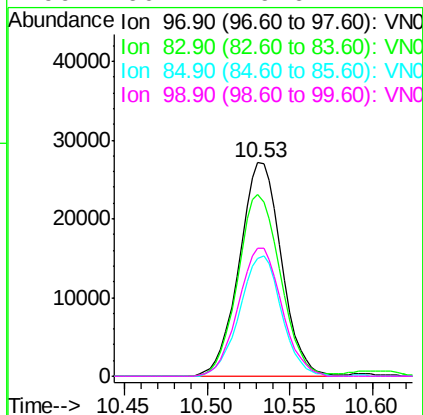
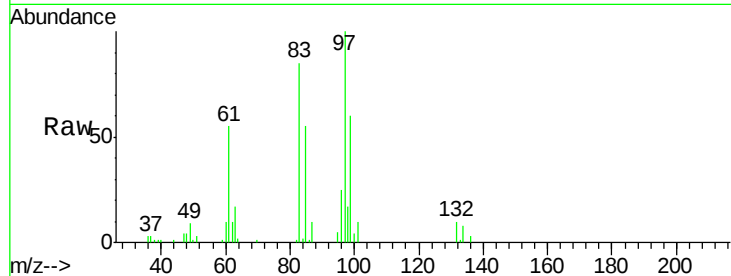
ClientSampleId :

VN1204MBS01

Tot Ion:	97	Resp:	48171
Ion	Ratio	Lower	Upper
97	100		
83	85.0	72.1	108.1
85	55.4	46.8	70.2
99	60.2	49.6	74.4

Manual Integrations
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MMDadoda
12/7/2020 10:45:33 AM



#56

Ethyl methacrylate

Concen: 18.306 ug/l

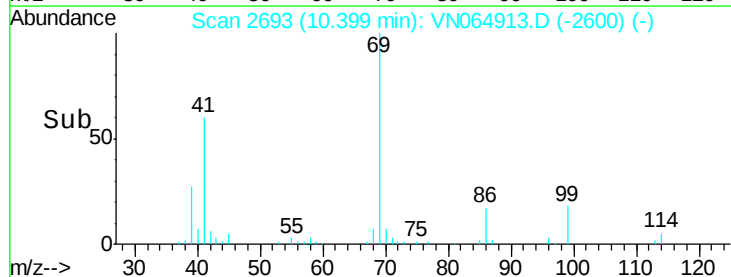
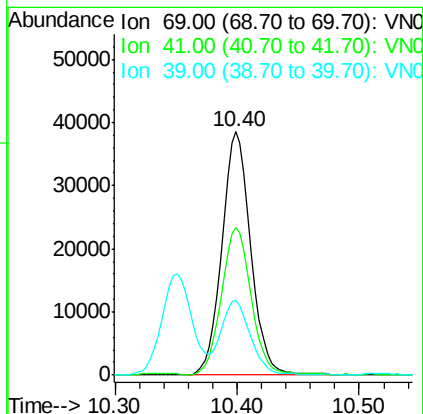
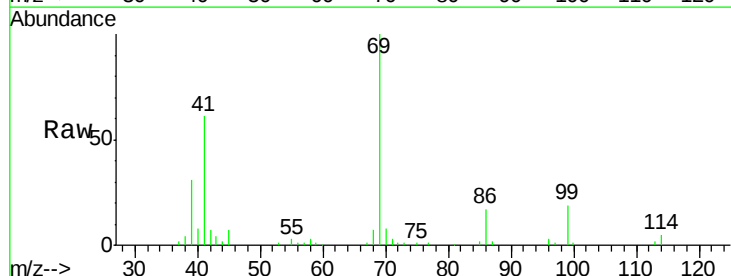
RT: 10.40 min Scan# 2693

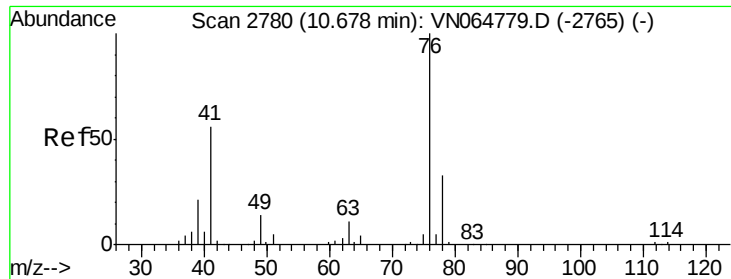
Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	69	Resp:	63915
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.4	74.0
39	31.6	25.9	38.9





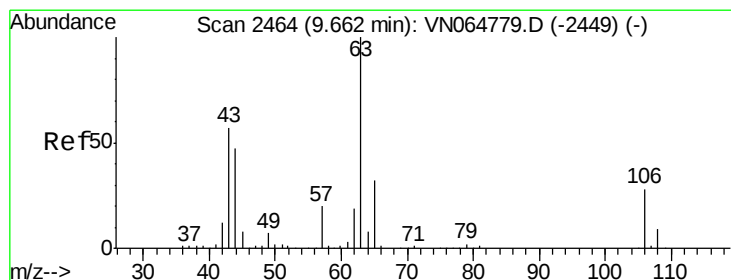
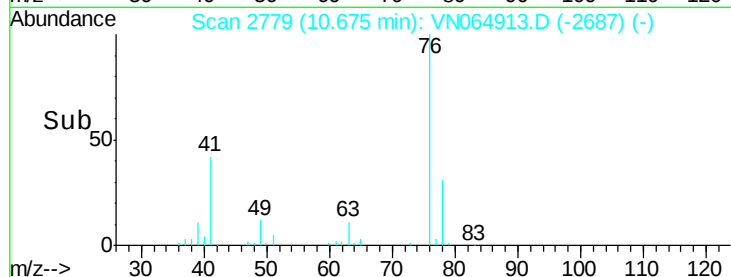
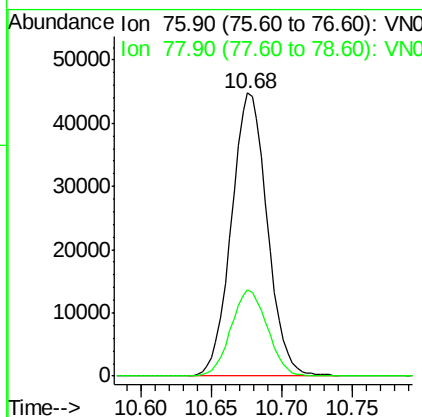
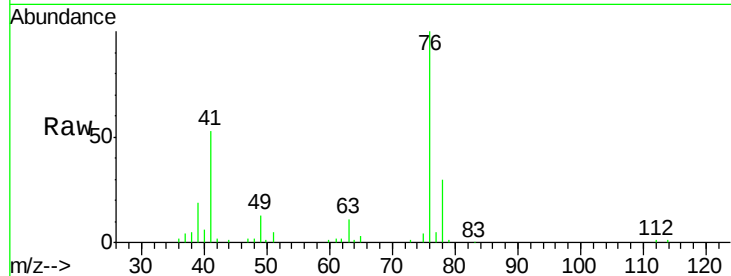
#57
 1,3-Dichloropropane
 Concen: 19.117 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion: 76 Resp: 79786
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.1 39.1

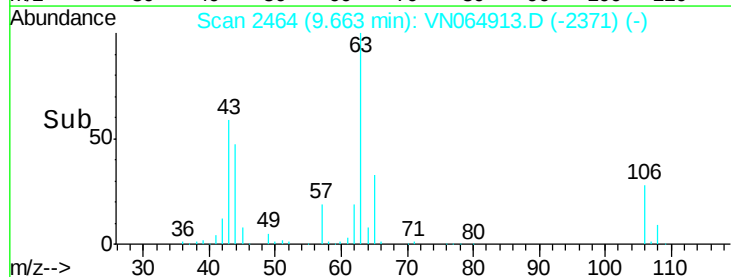
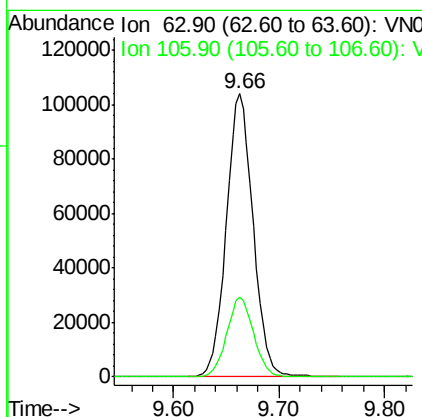
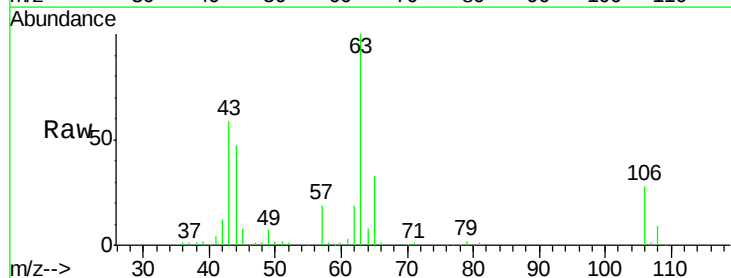
Manual Integrations
 APPROVED

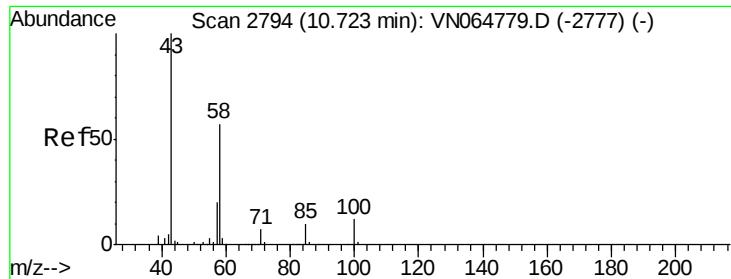
MMDadoda
 12/7/2020 10:45:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.664 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion: 63 Resp: 181804
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1





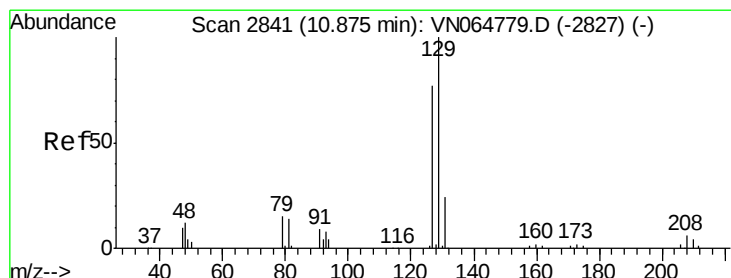
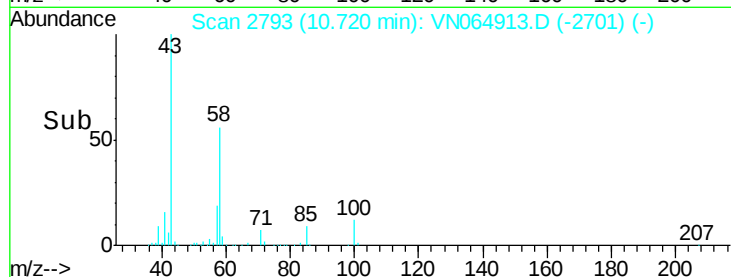
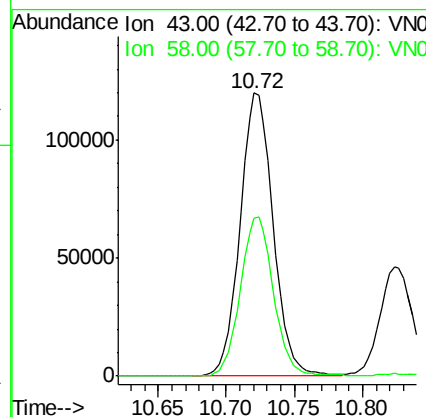
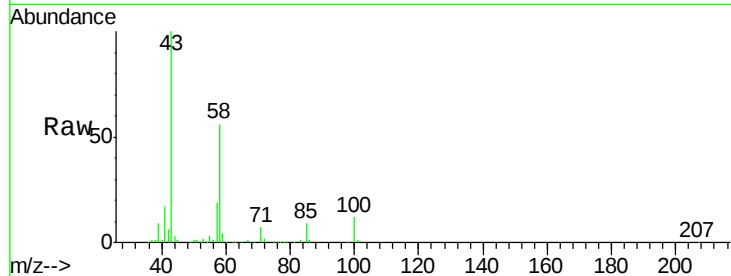
#59
2-Hexanone
Concen: 92.429 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion: 43 Resp: 201814
Ion Ratio Lower Upper
43 100
58 56.4 28.3 84.9

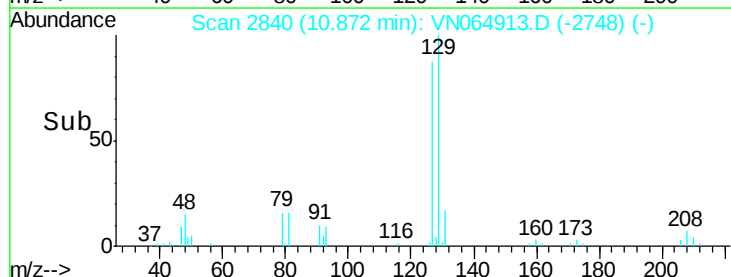
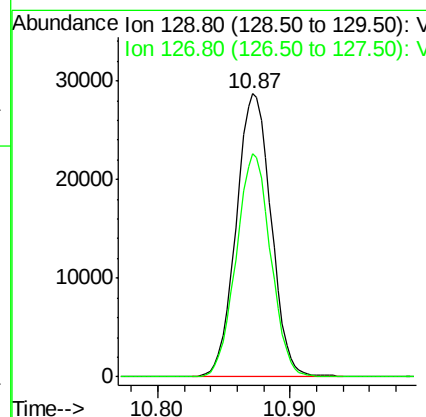
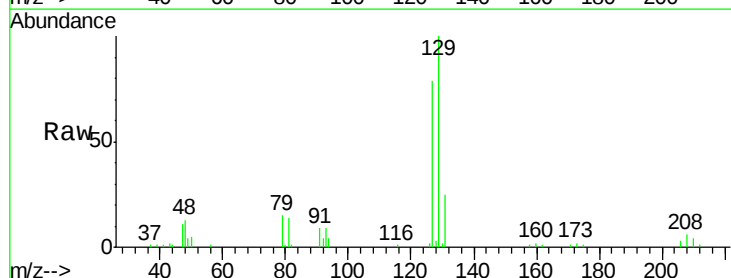
Manual Integrations
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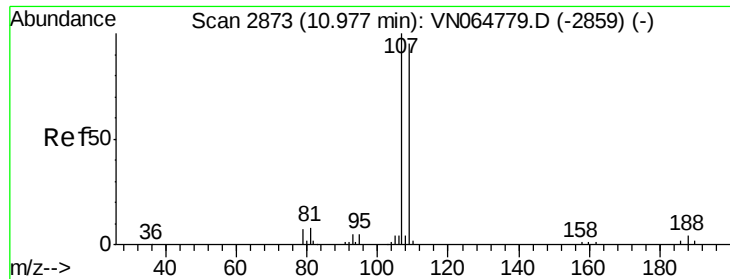
MMDadoda
12/7/2020 10:45:33 AM



#60
Dibromochloromethane
Concen: 18.670 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion: 129 Resp: 52508
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





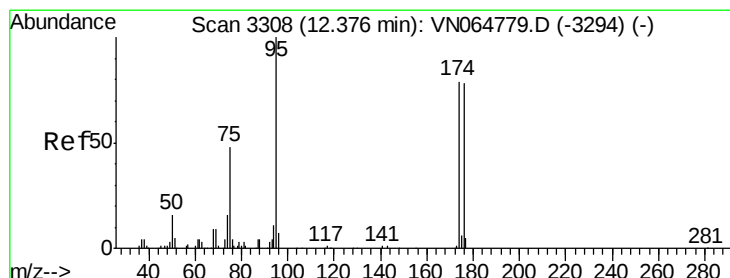
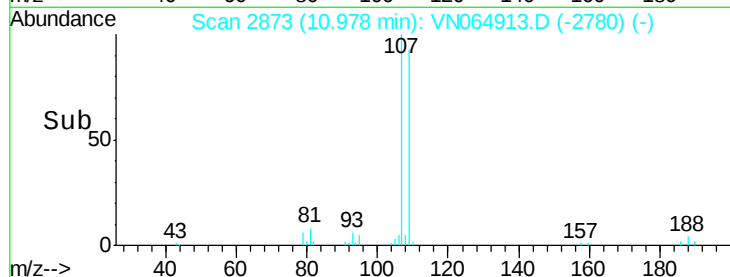
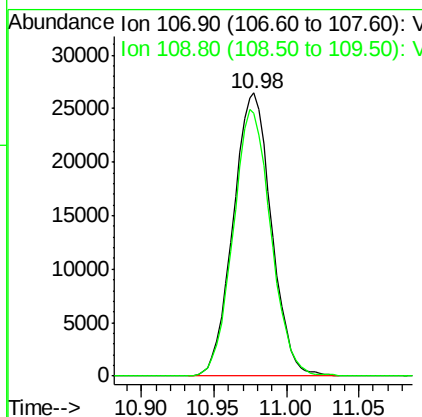
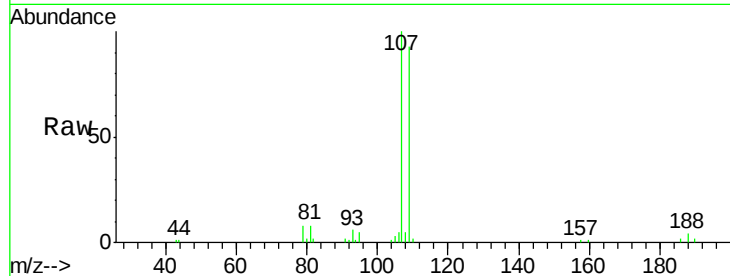
#61
 1,2-Dibromoethane
 Concen: 18.823 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.0	114.0

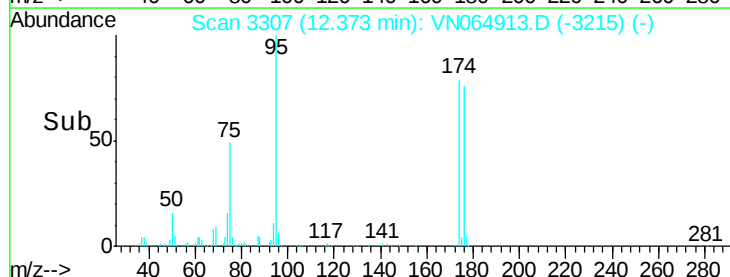
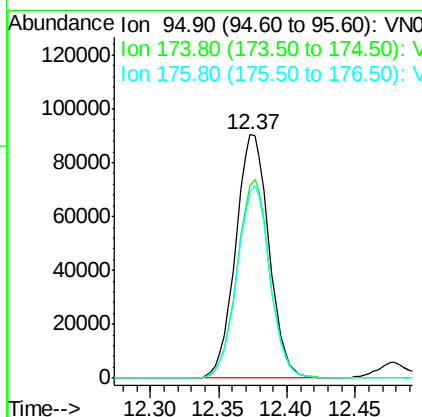
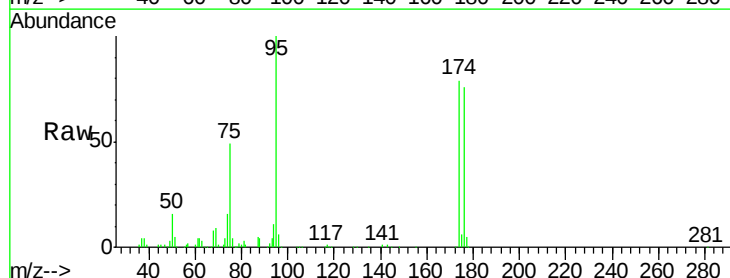
Manual Integrations
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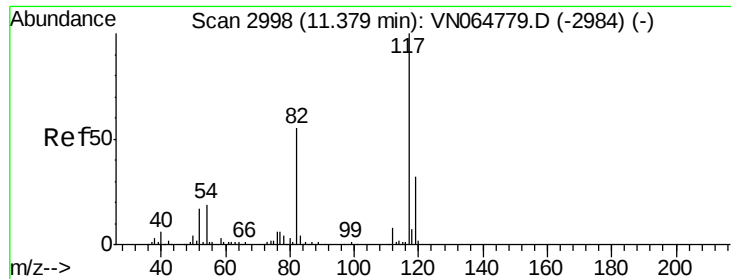
MMDadoda
 12/7/2020 10:45:33 AM



#62
 4-Bromofluorobenzene
 Concen: 49.918 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	160.4
176	77.5	0.0	158.4





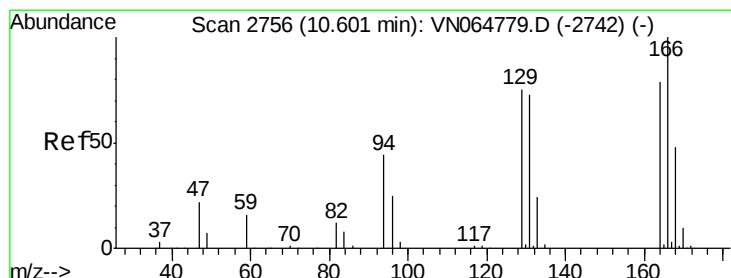
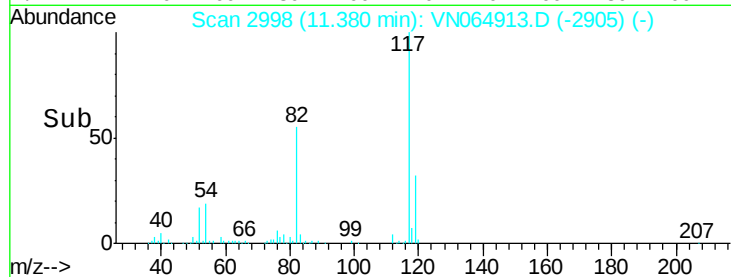
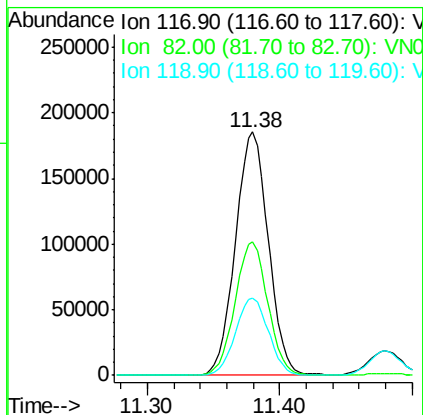
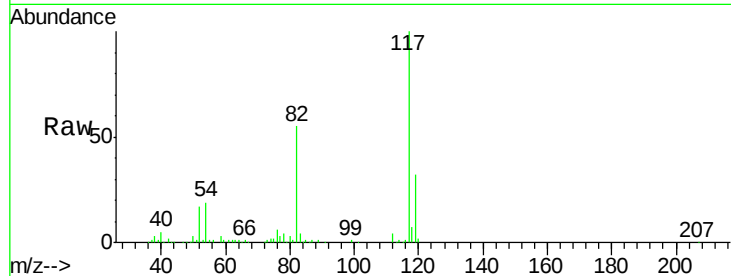
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.2
119	31.7	25.8	38.6

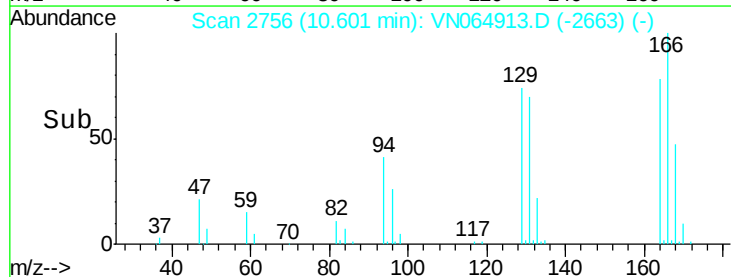
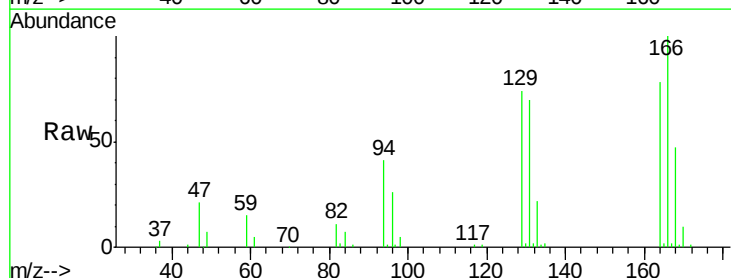
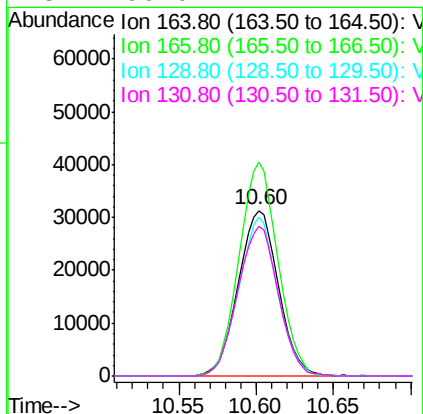
Manual Integrations
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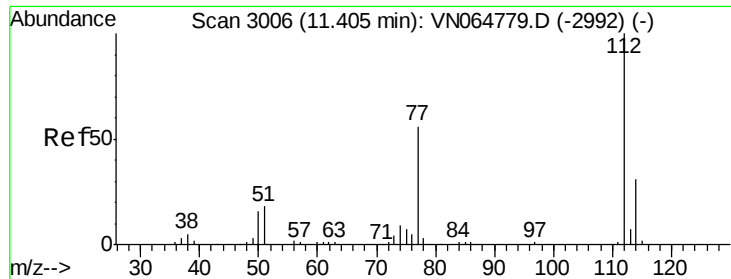
MMDadoda
12/7/2020 10:45:33 AM



#64
Tetrachloroethene
Concen: 18.078 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.4	152.0
129	95.7	76.1	114.1
131	90.0	74.2	111.2





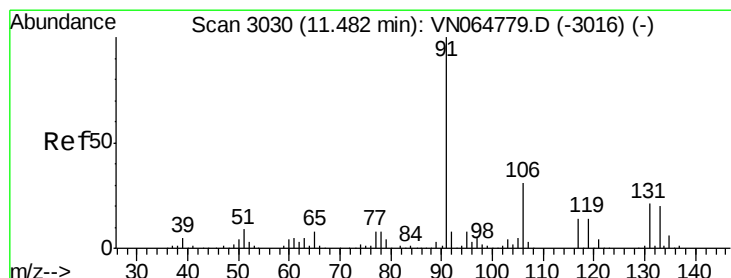
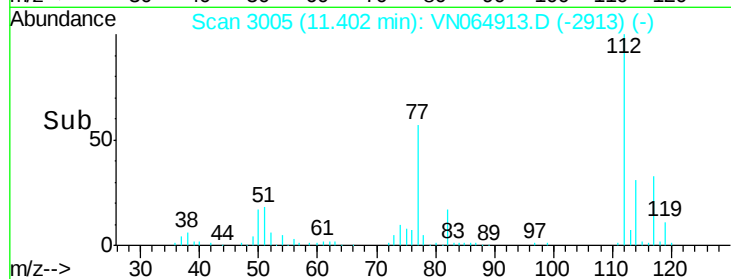
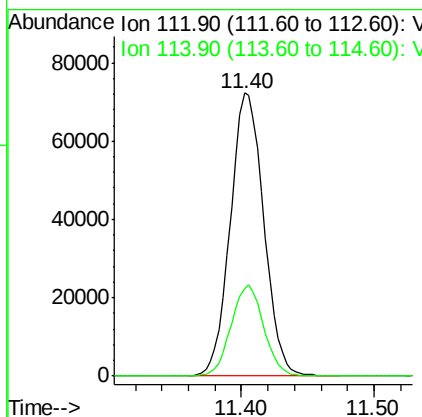
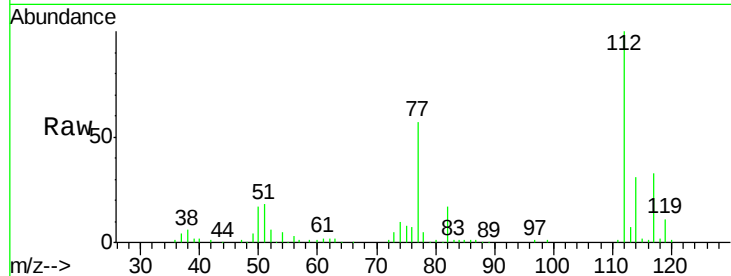
#65
Chlorobenzene
Concen: 18.435 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion:112 Resp: 126762
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7

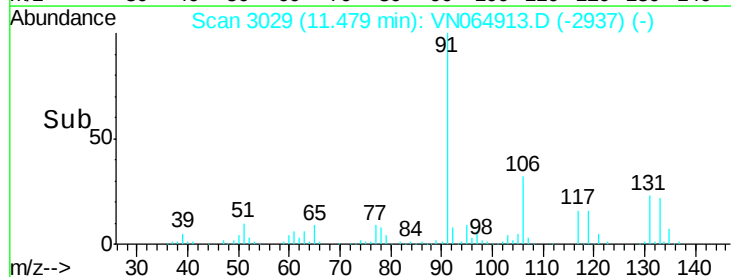
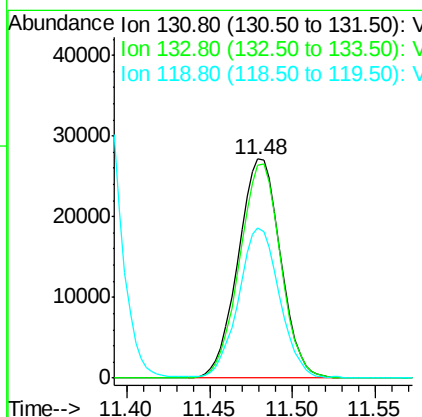
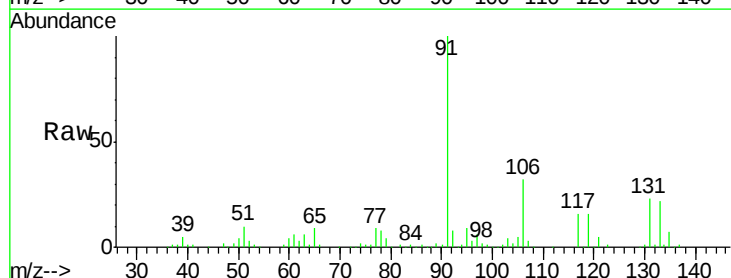
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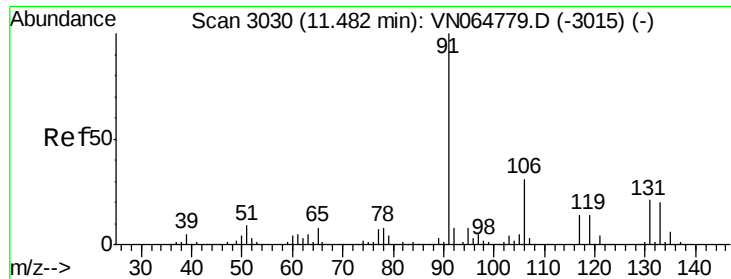
MMDadoda
12/7/2020 10:45:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.144 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion:131 Resp: 48377
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 66.2 33.3 99.8





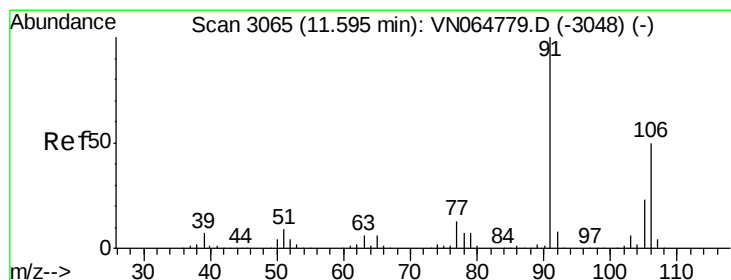
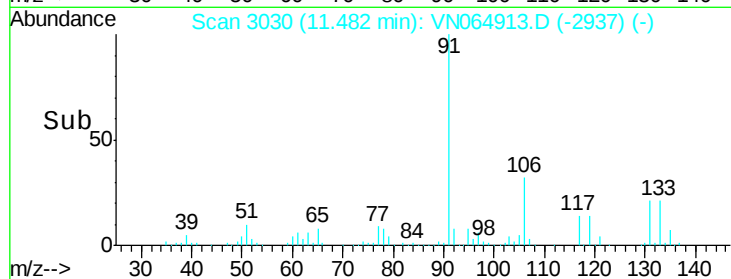
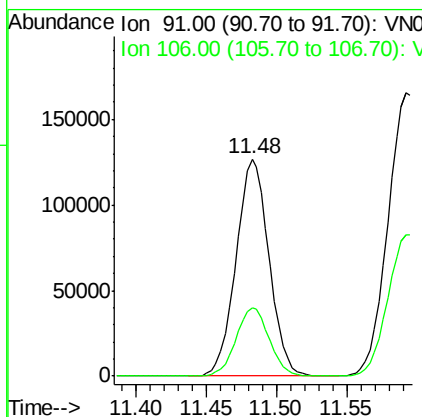
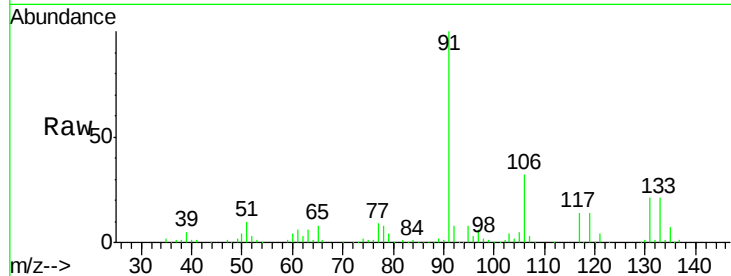
#67
Ethyl Benzene
Concen: 18.093 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion: 91 Resp: 207838
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

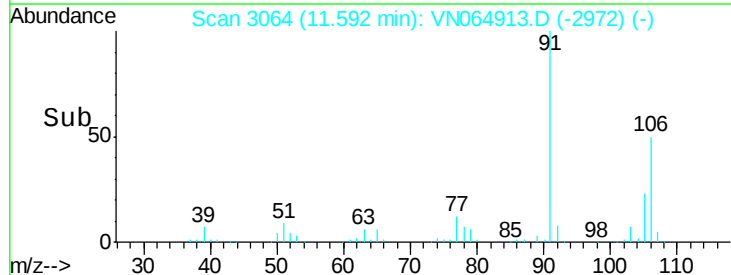
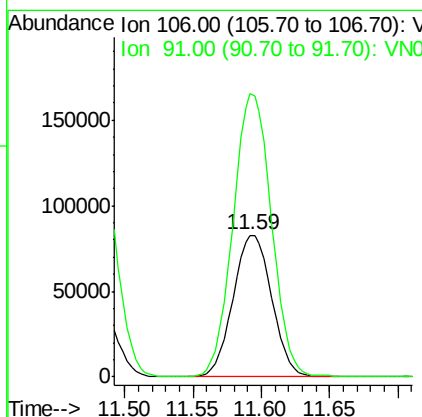
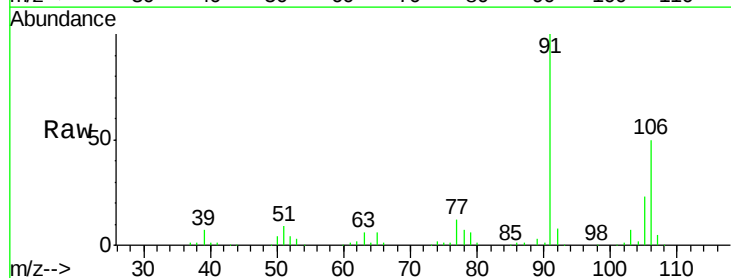
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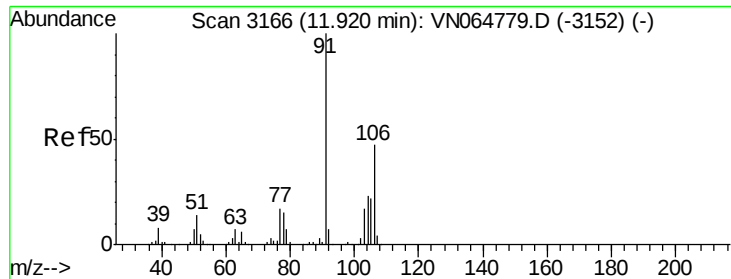
MMDadoda
12/7/2020 10:45:33 AM



#68
m/p-Xylenes
Concen: 37.466 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion: 106 Resp: 162945
Ion Ratio Lower Upper
106 100
91 197.5 161.0 241.4





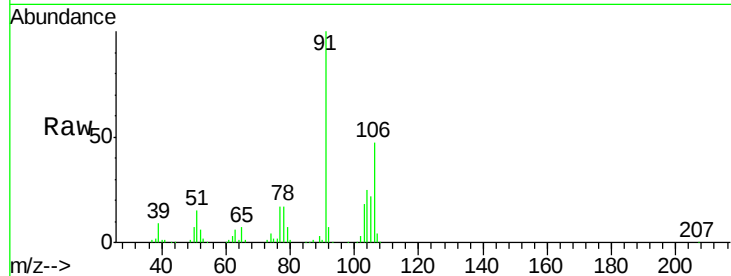
#69
o-Xylene
Concen: 18.650 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

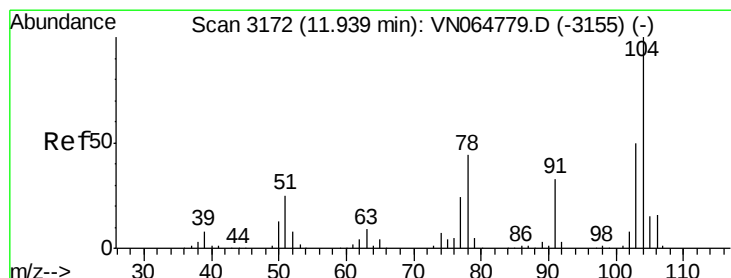
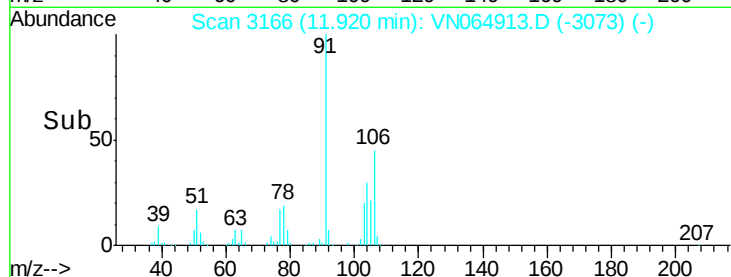
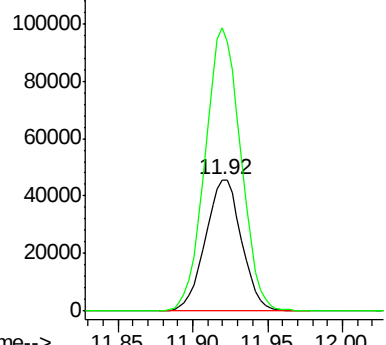
Tot Ion:106 Resp: 76970
Ion Ratio Lower Upper
106 100
91 212.8 105.5 316.5

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12/7/2020 10:45:33 AM

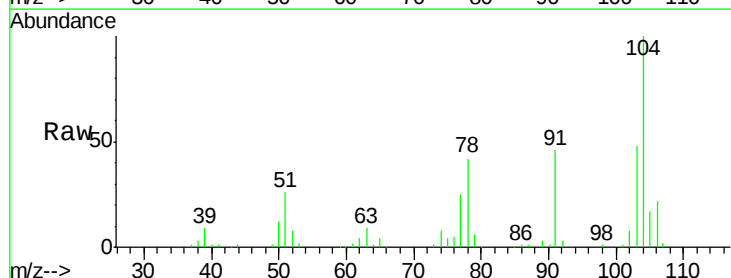


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

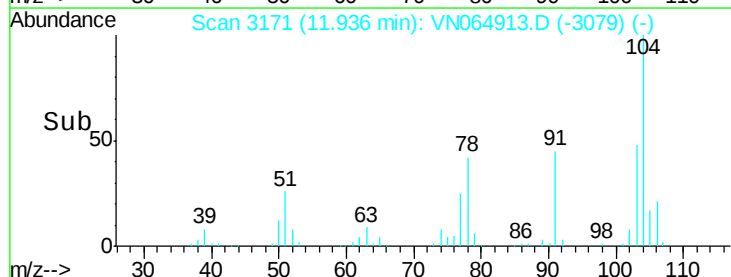
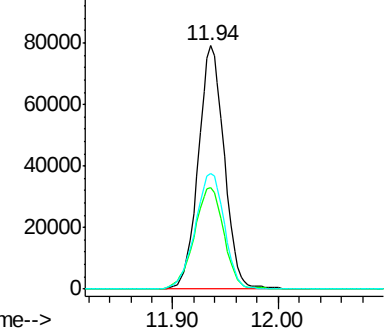


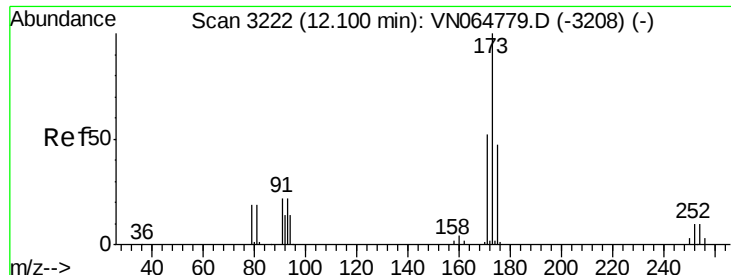
#70
Styrene
Concen: 19.291 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion:104 Resp: 134408
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.6
103 53.6 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.771 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tot Ion:173 Resp: 35868

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

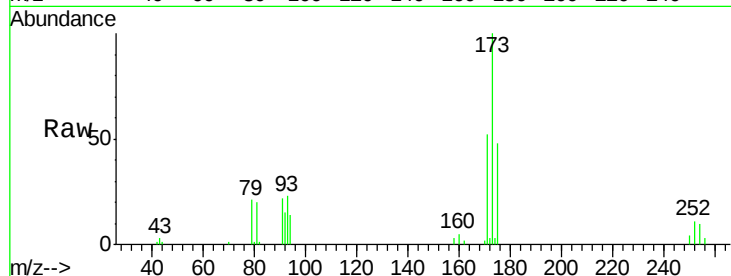
254 0.0 0.0 0.0

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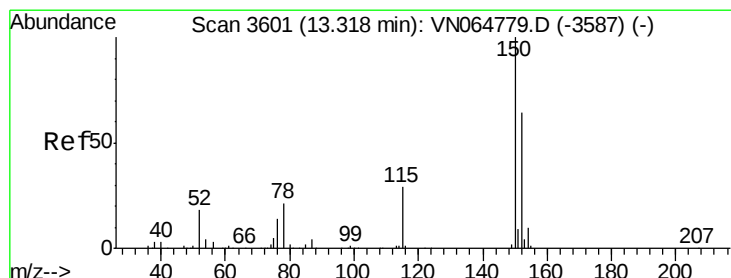
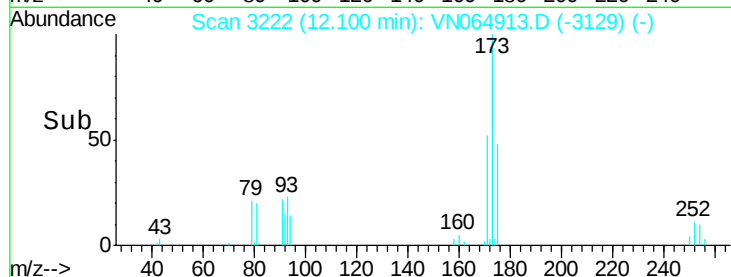
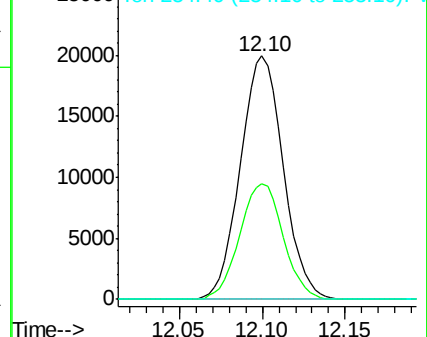
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

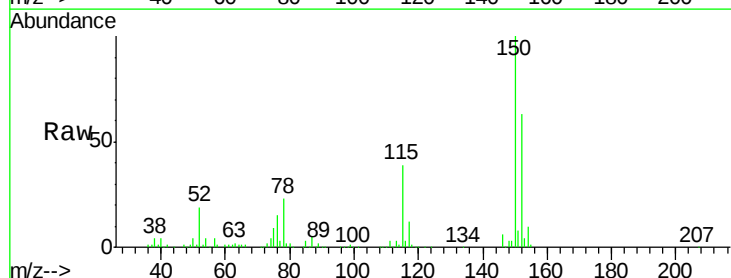
Tgt Ion:152 Resp: 150935

Ion Ratio Lower Upper

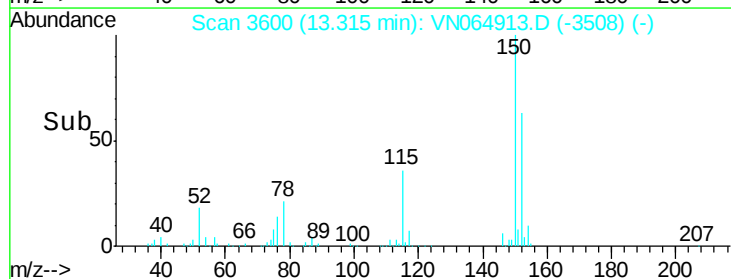
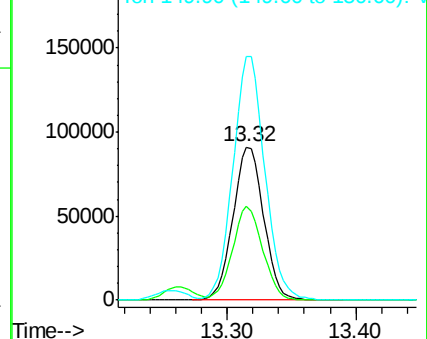
152 100

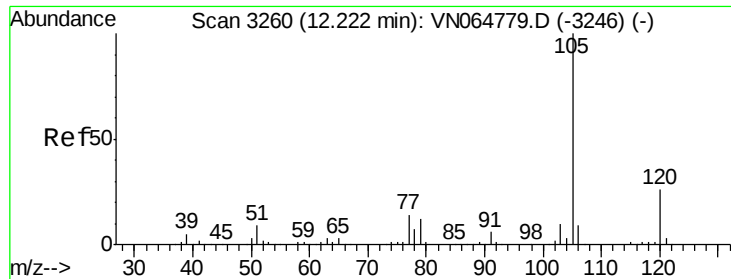
115 59.5 29.7 89.1

150 164.5 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.107 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 105 Resp: 200596

Ion Ratio Lower Upper

105 100

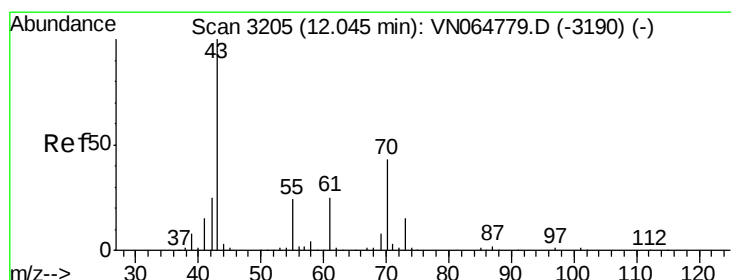
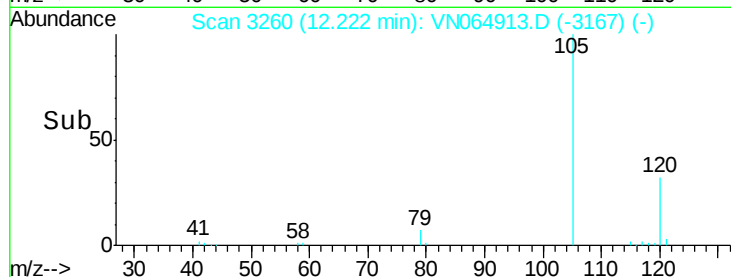
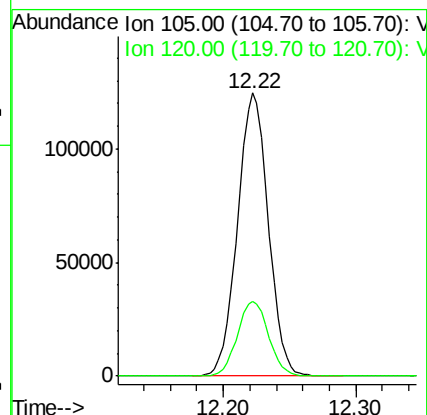
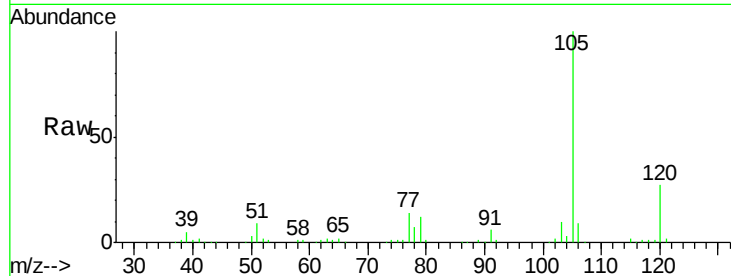
120 26.8 13.3 39.9

Manual Integrations

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12/7/2020 10:45:33 AM



#74

N-ethyl acetate

Concen: 18.245 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion: 43 Resp: 75381

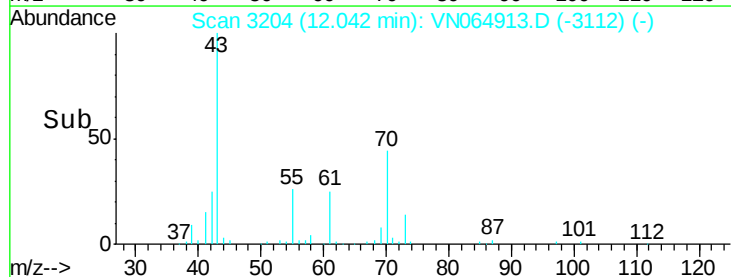
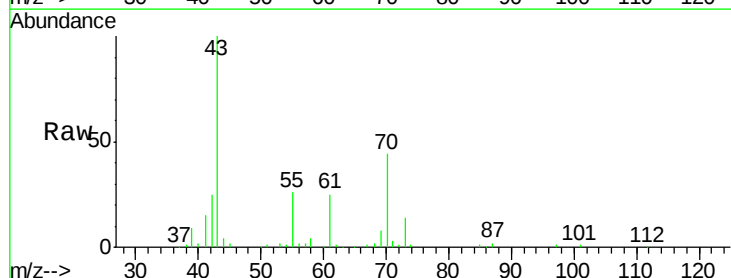
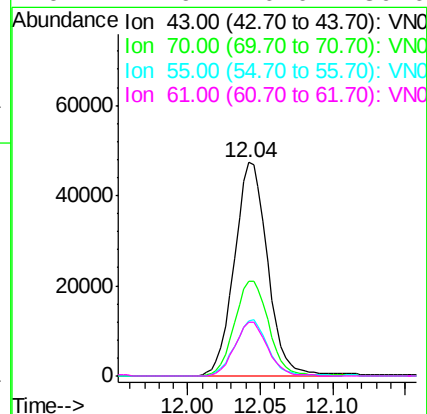
Ion Ratio Lower Upper

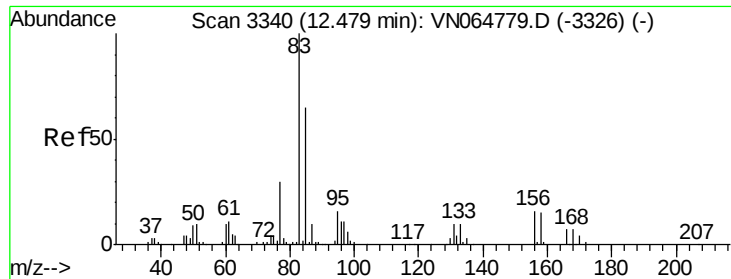
43 100

70 46.0 34.5 51.7

55 25.8 20.4 30.6

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.261 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

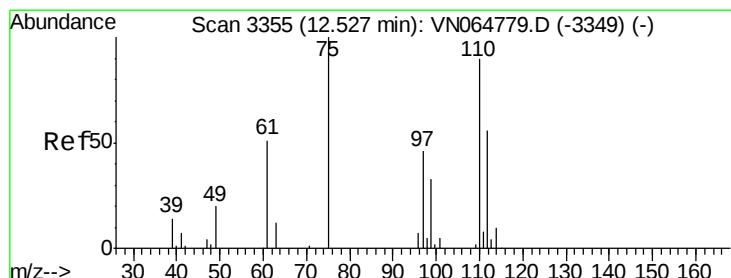
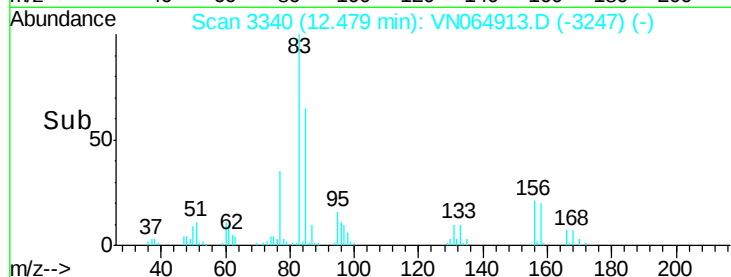
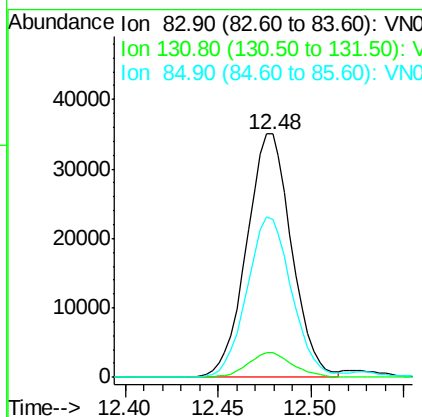
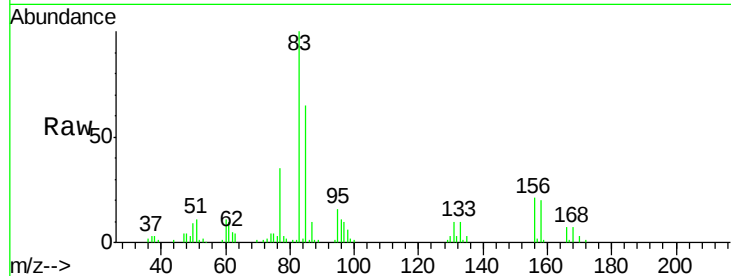
ClientSampleId :

VN1204MBS01

Tot Ion:	83	Resp:	59269
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	65.6	33.0	99.0

Manual Integrations
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MMDadoda
12/7/2020 10:45:33 AM



#76

1,2,3-Trichloropropane

Concen: 17.402 ug/l m

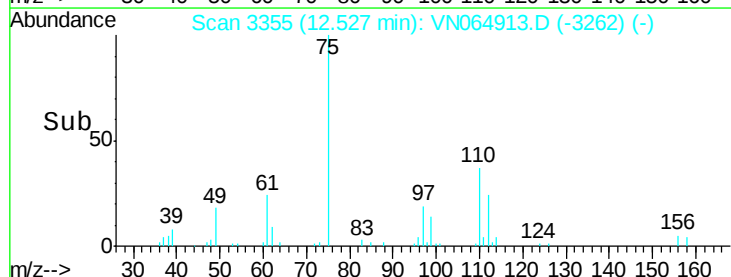
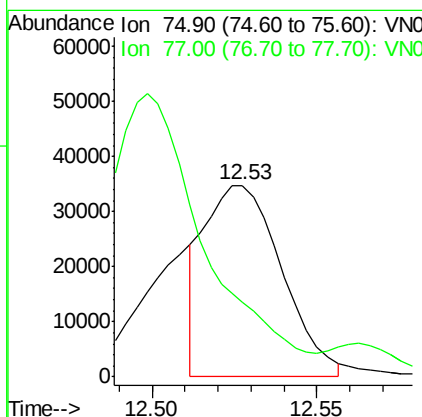
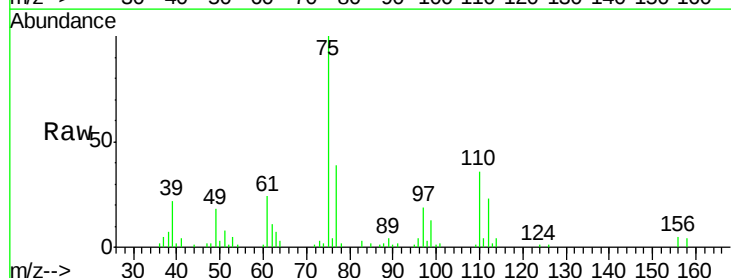
RT: 12.53 min Scan# 3355

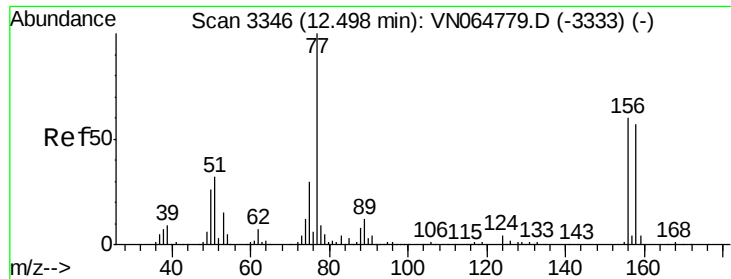
Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	75	Resp:	56566
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.200 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

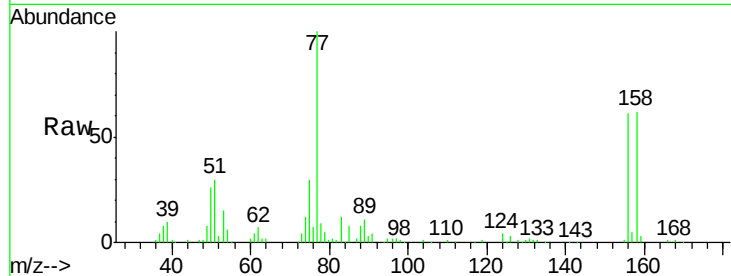
ClientSampled :

VN1204MBS01

Tot Ion	156	Resp	54344
Ion Ratio	Lower	Upper	
156	100		
77	200.1	101.3	303.7
158	97.0	48.2	144.6

Manual Integrations
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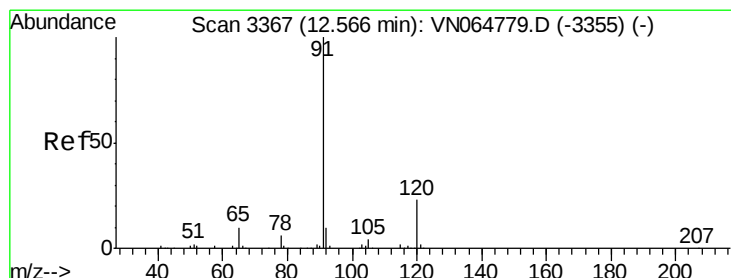
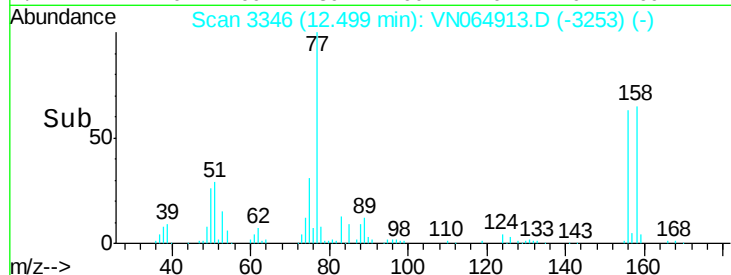
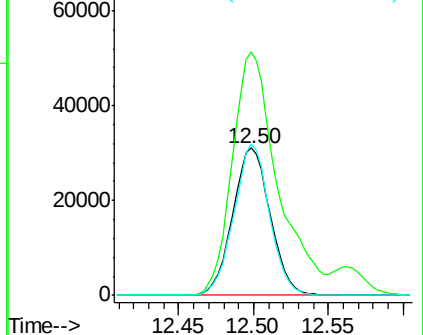
MMDadoda
12/7/2020 10:45:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.742 ug/l

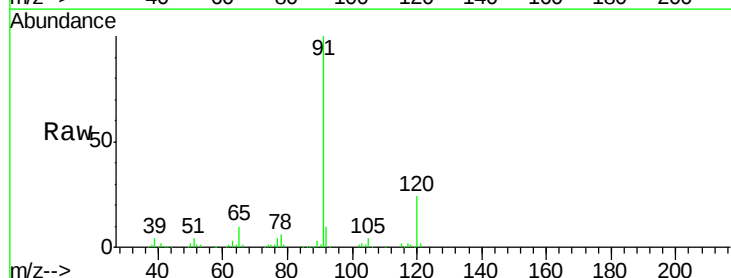
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064913.D

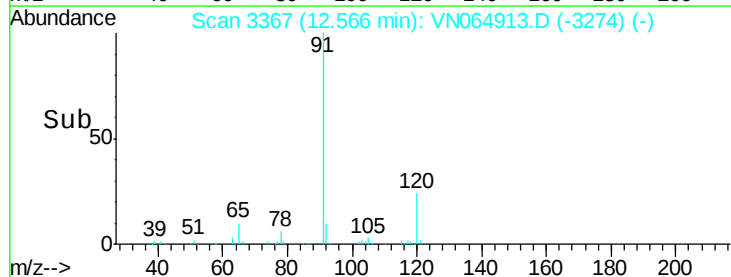
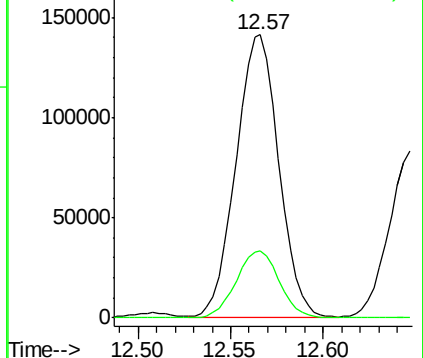
Acq: 4 Dec 2020 12:52

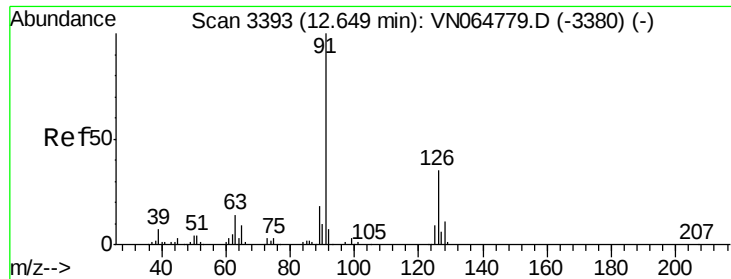
Tgt Ion	91	Resp	224160
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
91	100		
120	24.0	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.748 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN1204MBS01

Tot Ion: 91 Resp: 138602

Ion Ratio Lower Upper

91 100

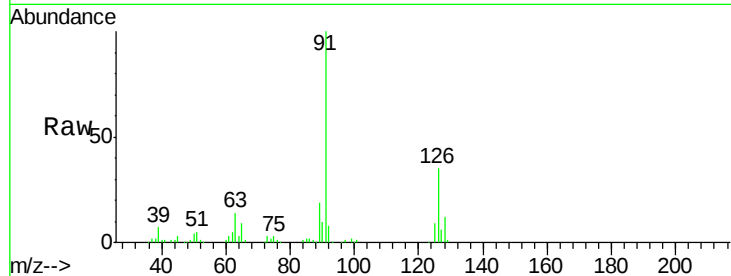
126 35.0 17.2 51.6

Manual Integrations

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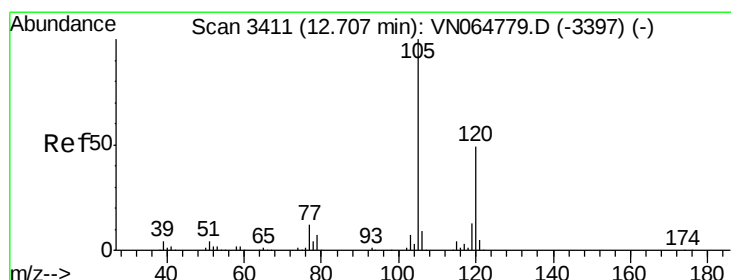
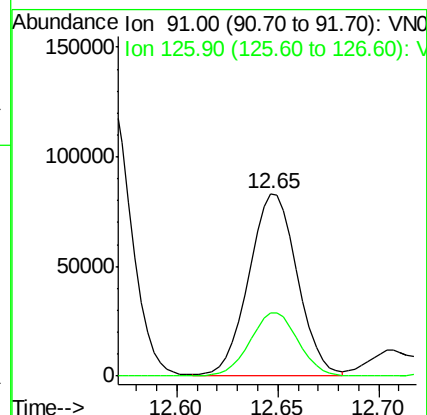
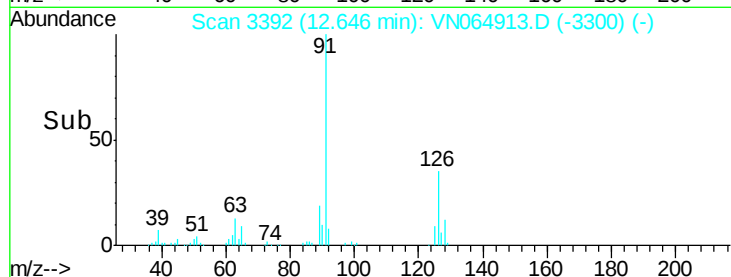
MMDadoda

12/7/2020 10:45:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VN064913.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN064913.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.524 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064913.D

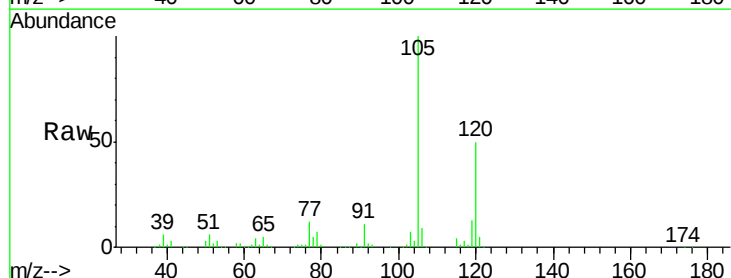
Acq: 4 Dec 2020 12:52

Tgt Ion: 105 Resp: 170377

Ion Ratio Lower Upper

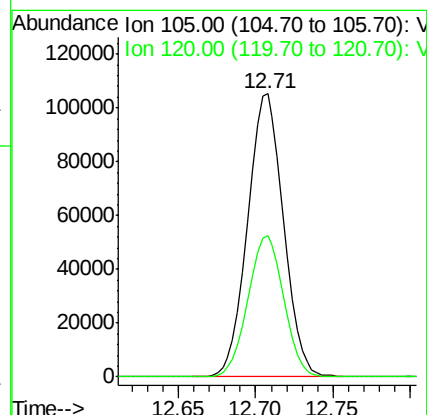
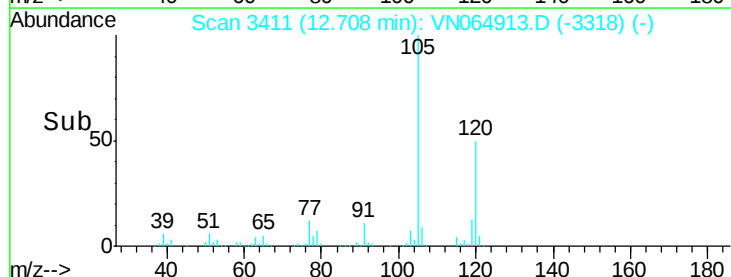
105 100

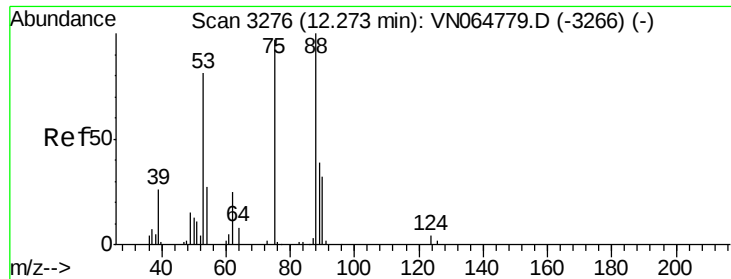
120 49.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064913.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064913.D (-3318) (-)





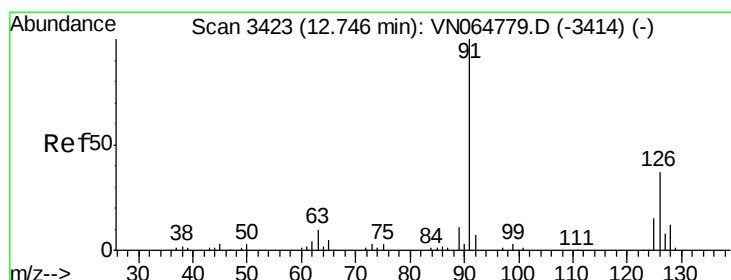
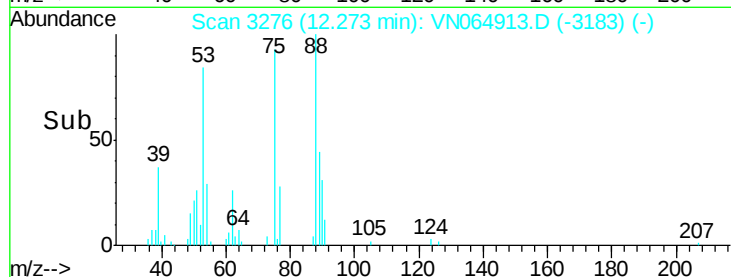
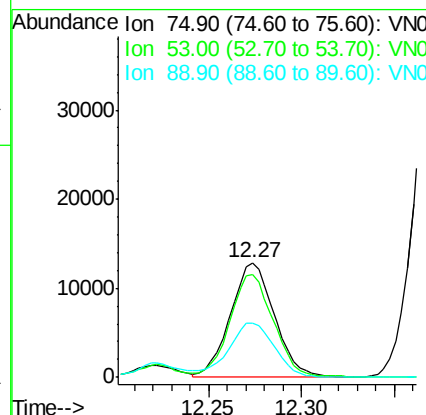
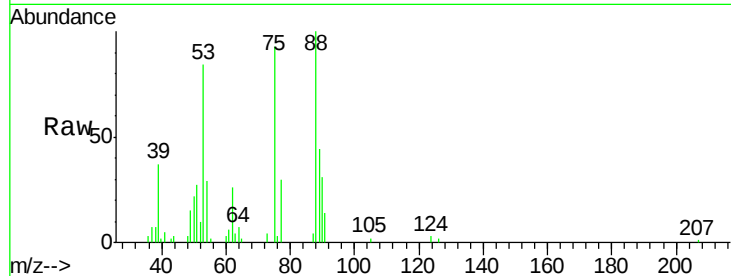
#81
trans-1,4-Dichloro-2-butene
Concen: 17.966 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.9	67.0	100.4
89	49.6	39.6	59.4

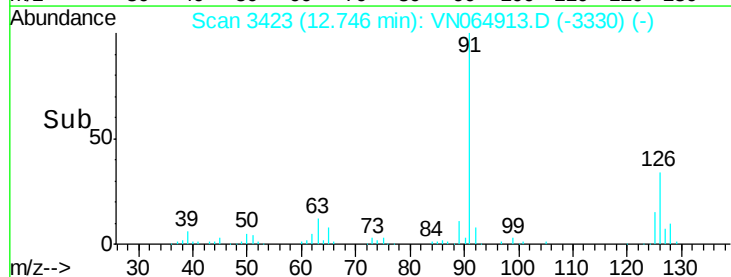
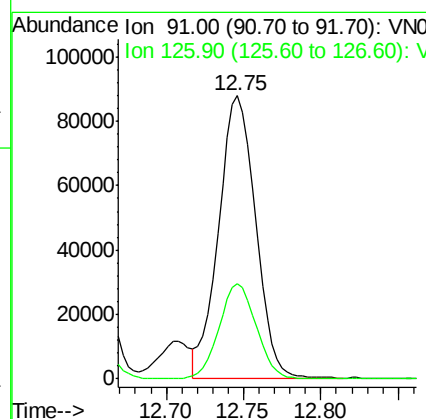
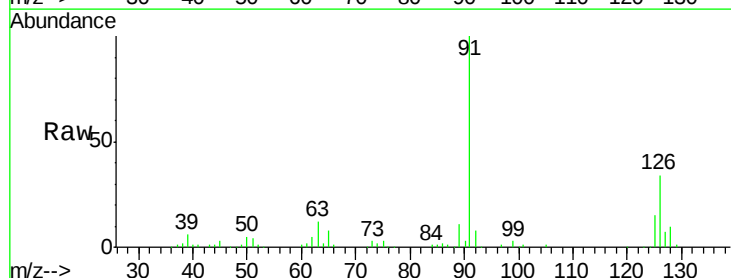
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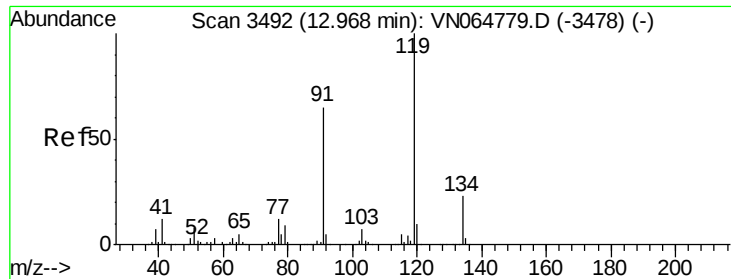
MMDadoda
12/7/2020 10:45:33 AM



#82
4-Chlorotoluene
Concen: 18.734 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.7





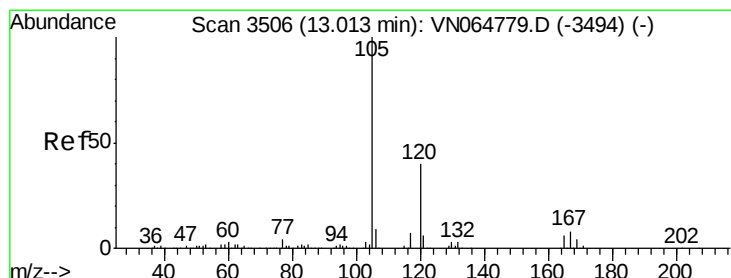
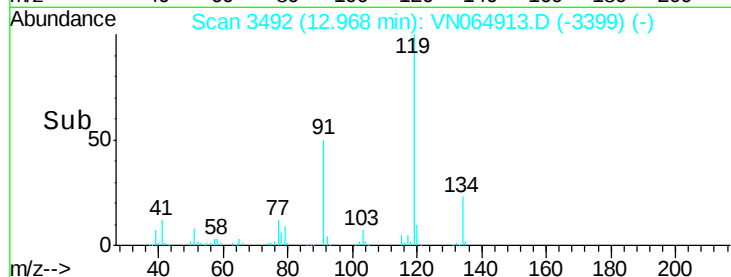
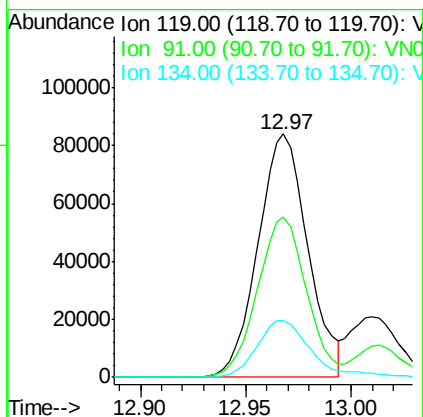
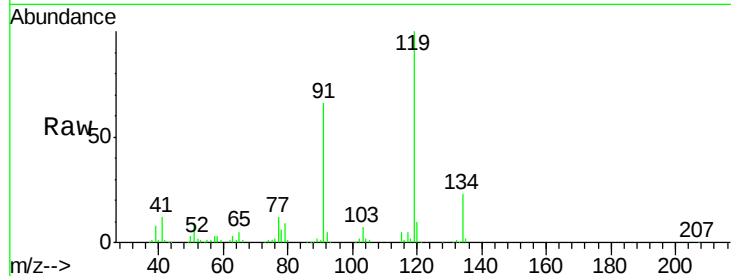
#83
tert-Butylbenzene
Concen: 18.877 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN1204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138076		
91	65.2	32.3	96.8	
134	25.4	12.6	37.6	

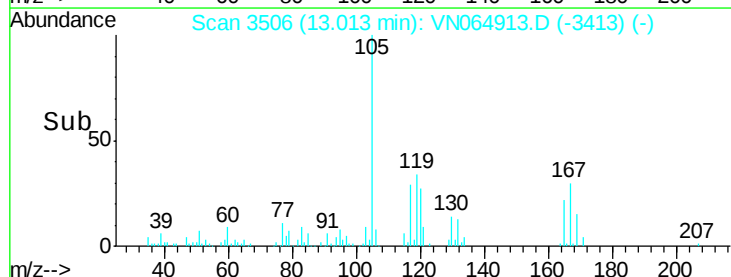
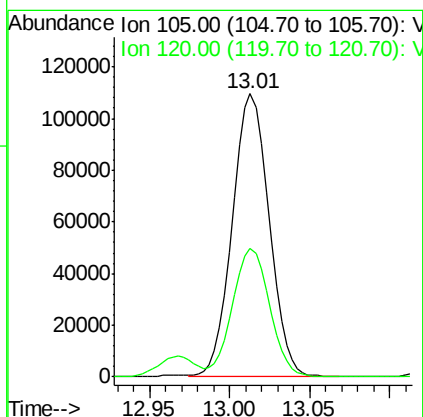
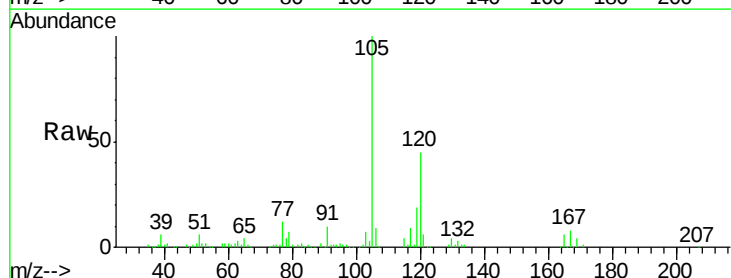
Manual Integrations
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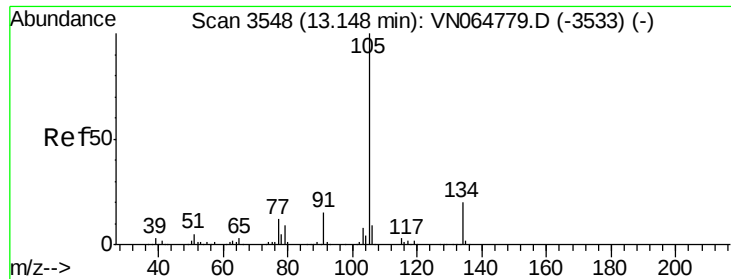
MMDadoda
12/7/2020 10:45:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.364 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170851		
120	46.3	23.1	69.2	





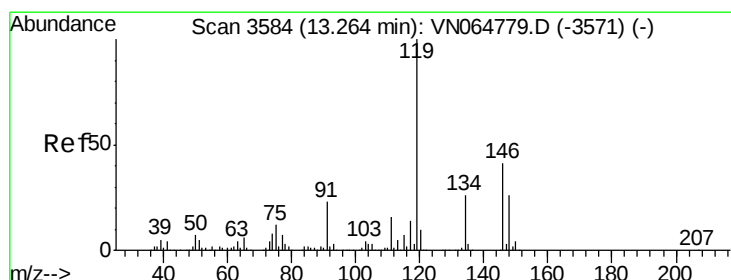
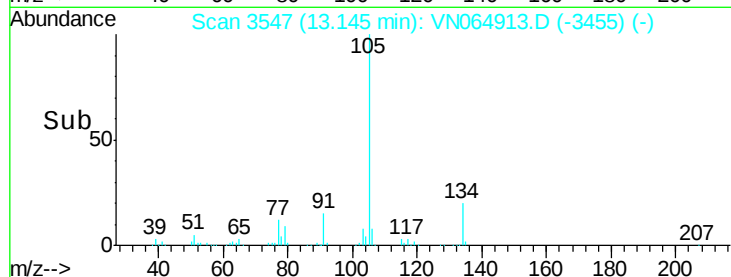
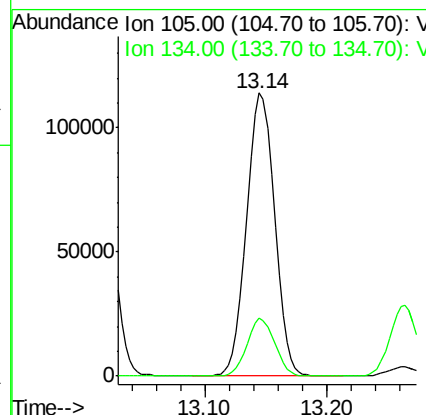
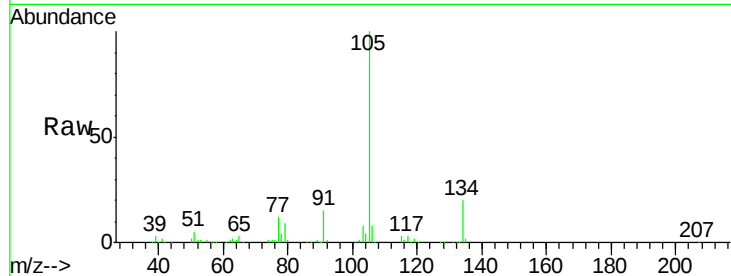
#85
 sec-Butylbenzene
 Concen: 18.627 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

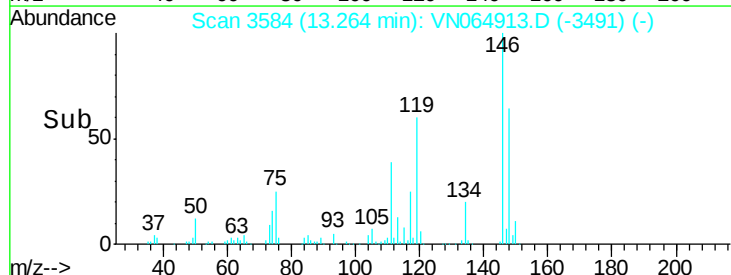
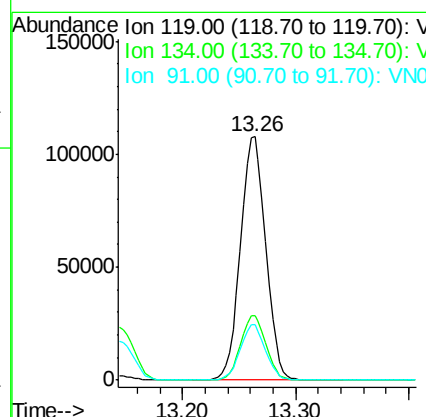
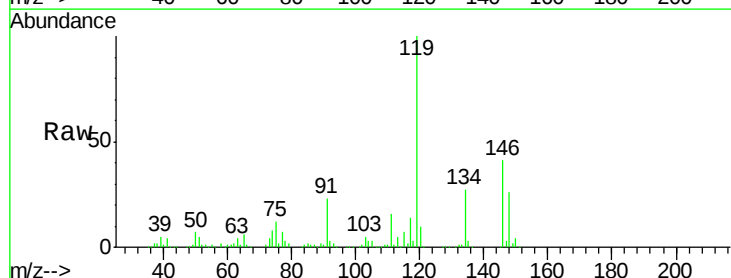
Manual Integrations
 APPROVED

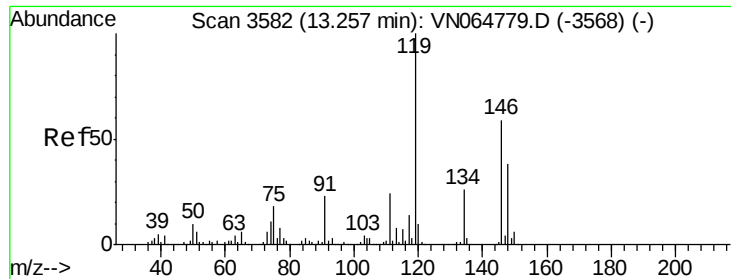
MMDadoda
 12/7/2020 10:45:33 AM



#86
 p-Isopropyltoluene
 Concen: 19.020 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	22.7	11.5	34.5





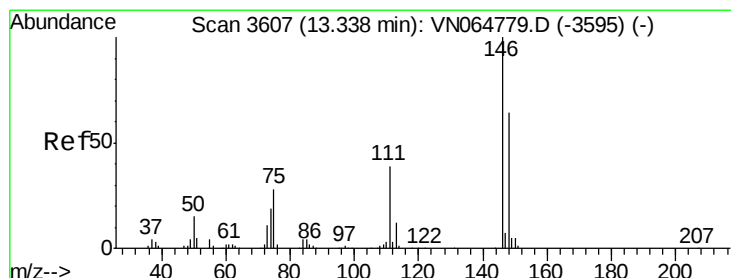
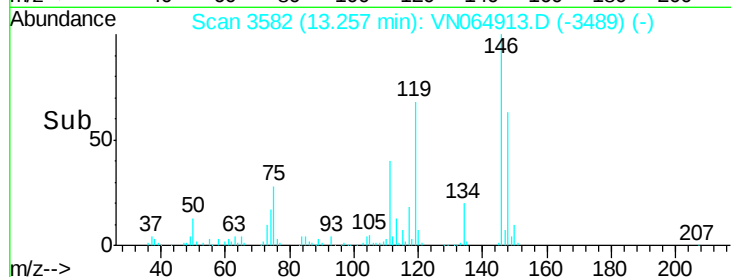
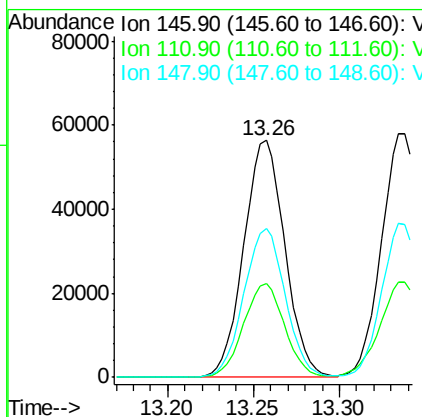
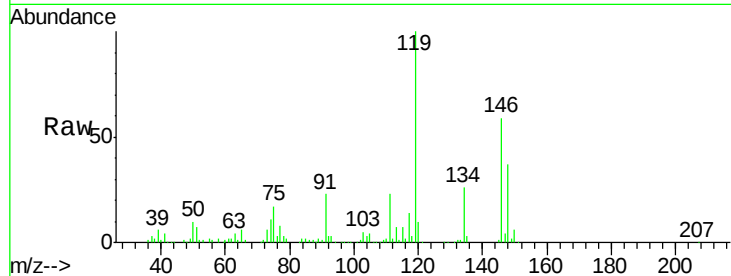
#87
 1,3-Dichlorobenzene
 Concen: 18.615 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.9
148	63.2	31.9	95.5

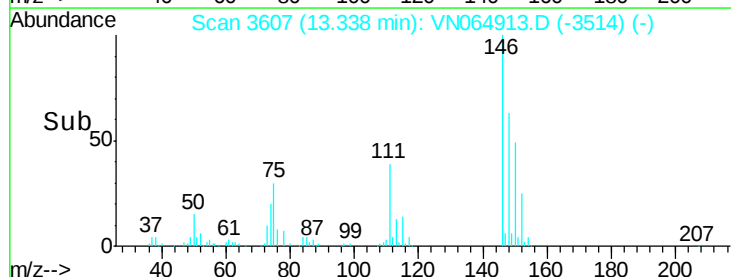
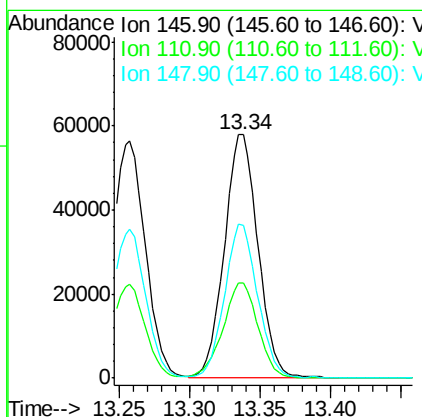
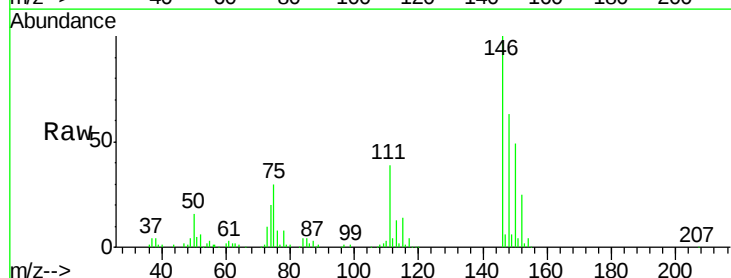
Manual Integrations
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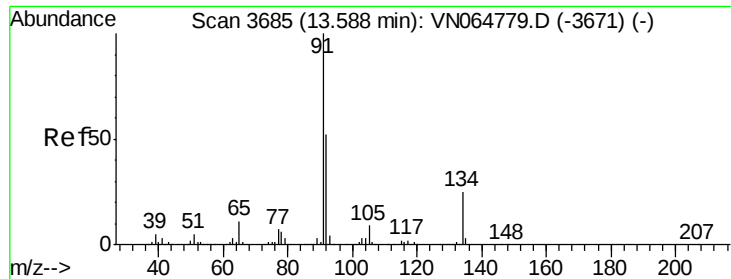
MMDadoda
 12/7/2020 10:45:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.161 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	61.3	31.9	95.5





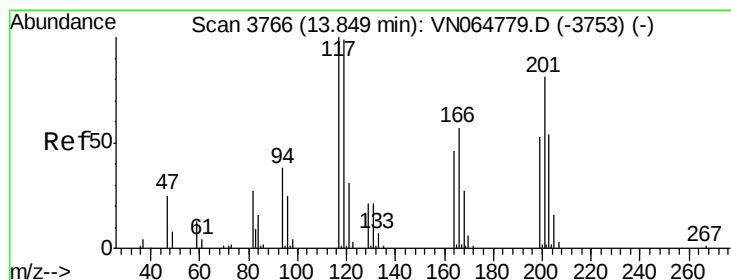
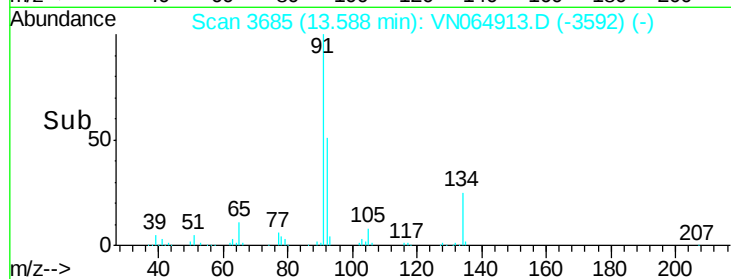
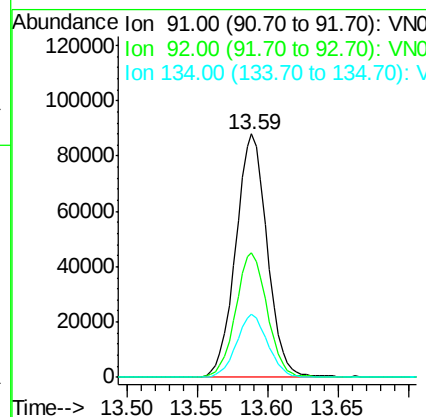
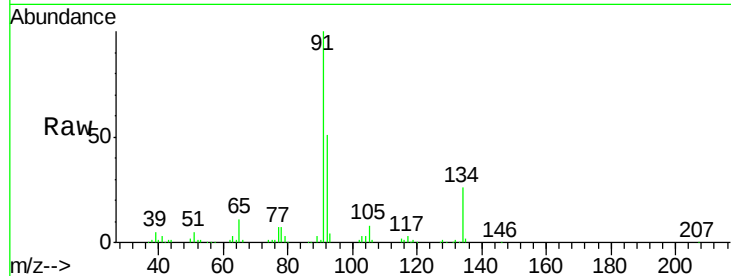
#89
n-Butylbenzene
Concen: 17.736 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	25.6	12.9	38.6

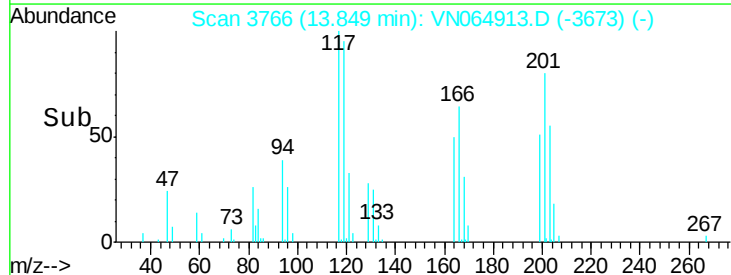
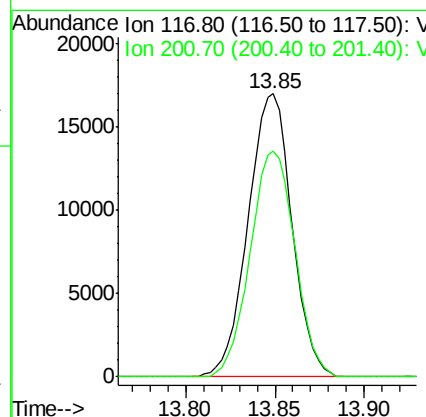
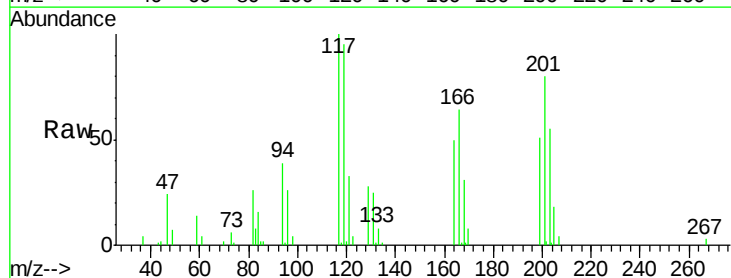
Manual Integrations
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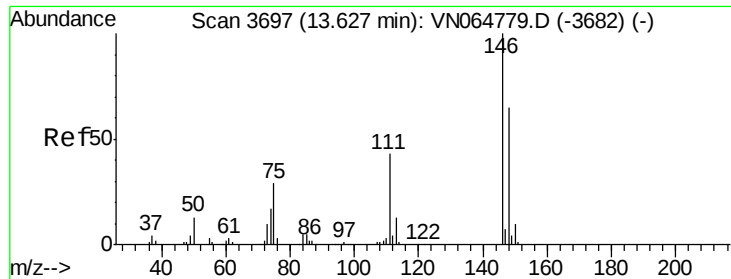
MMDadoda
12/7/2020 10:45:33 AM



#90
Hexachloroethane
Concen: 18.963 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064913.D
Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.1	120.3





#91

1,2-Dichlorobenzene

Concen: 18.717 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

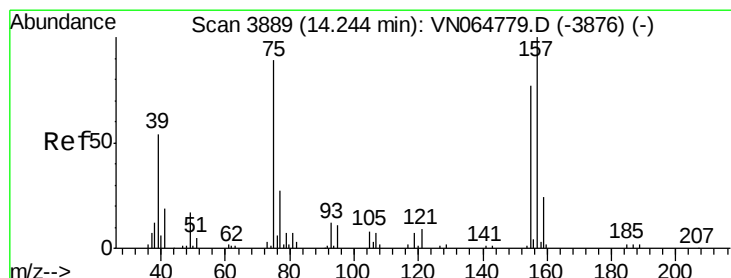
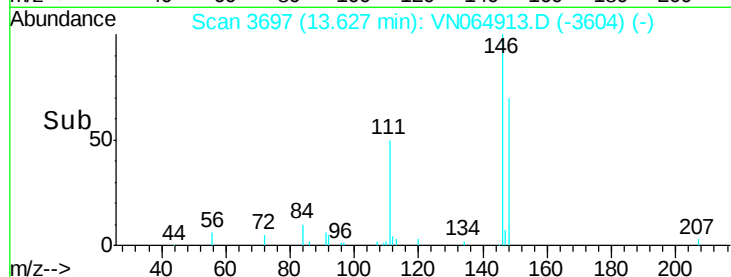
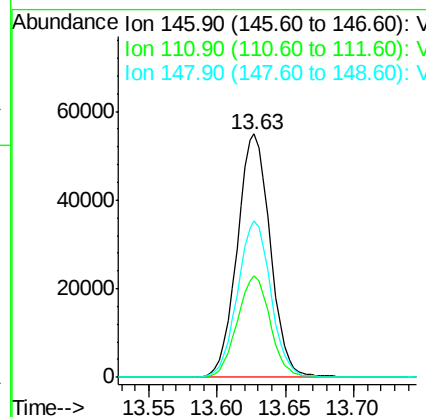
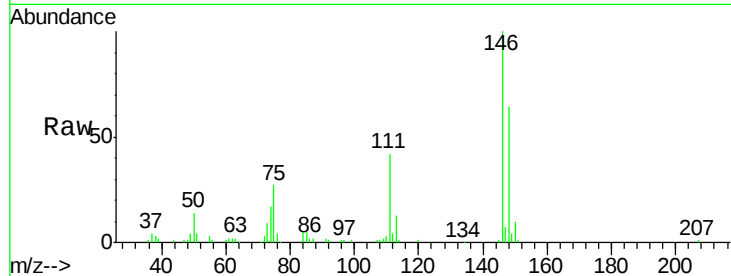
ClientSampleId :

VN1204MBS01

Tot Ion:	146	Resp:	92416
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.1	63.1
148	64.7	32.0	96.2

Manual Integrations
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MMDadoda
12/7/2020 10:45:33 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.263 ug/l

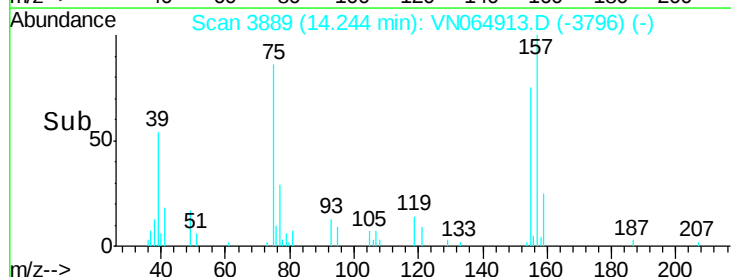
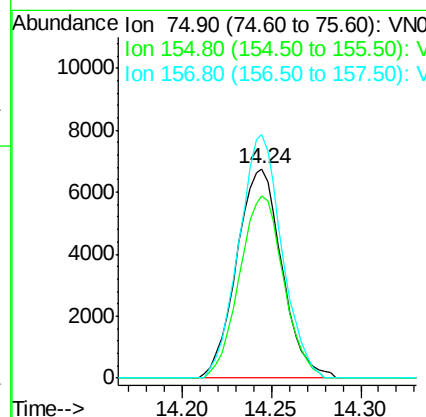
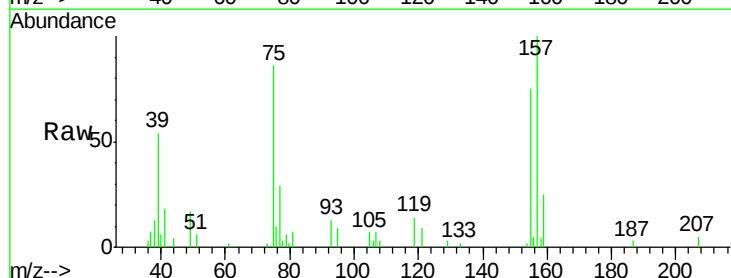
RT: 14.24 min Scan# 3889

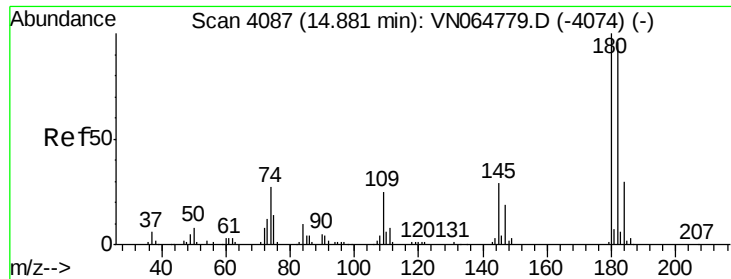
Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	75	Resp:	11953
Ion Ratio	Lower	Upper	
75	100		
155	84.5	42.8	128.3
157	110.5	56.4	169.1





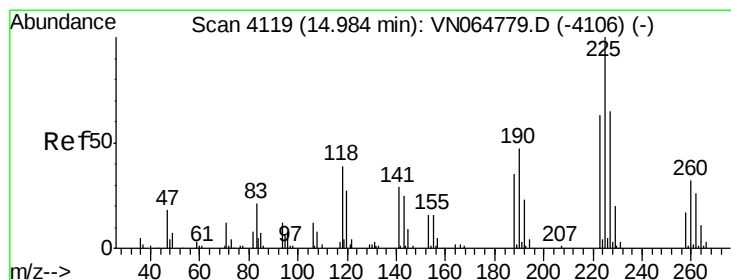
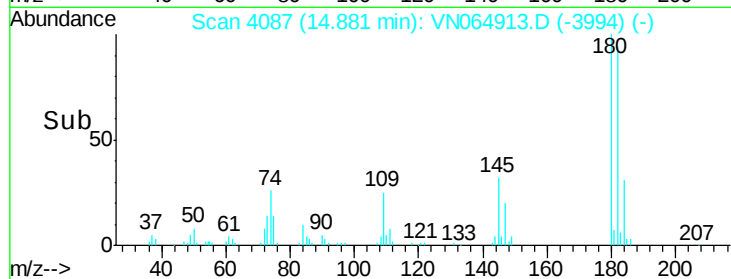
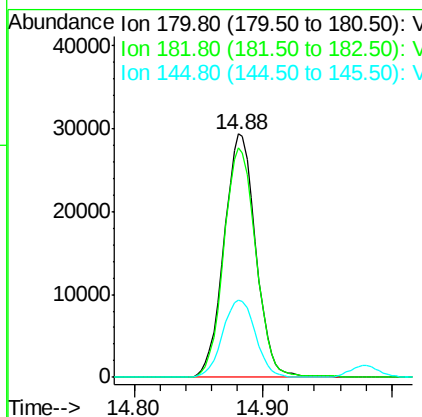
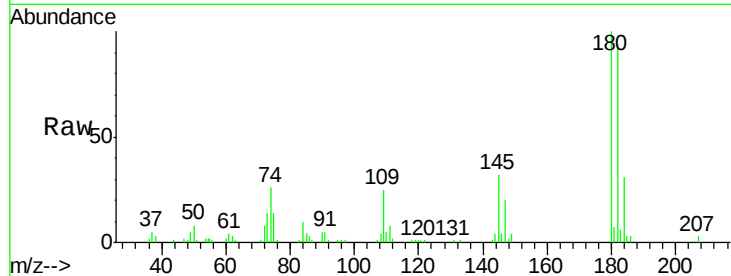
#93
 1,2,4-Trichlorobenzene
 Concen: 16.389 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	32.8	15.3	45.8

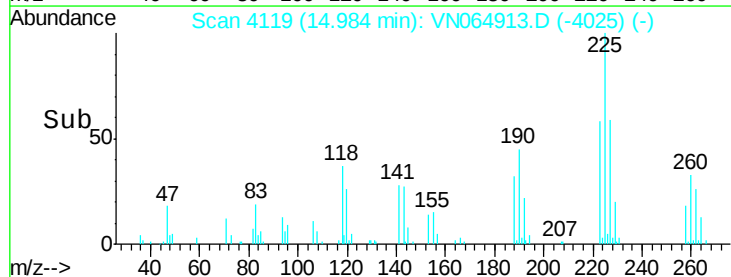
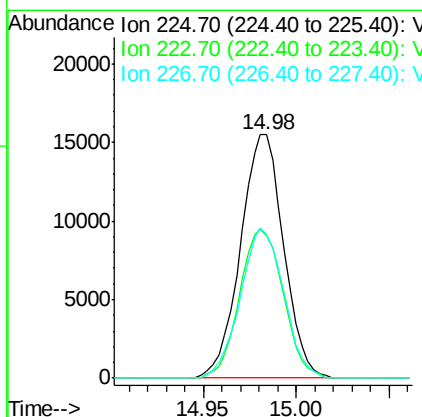
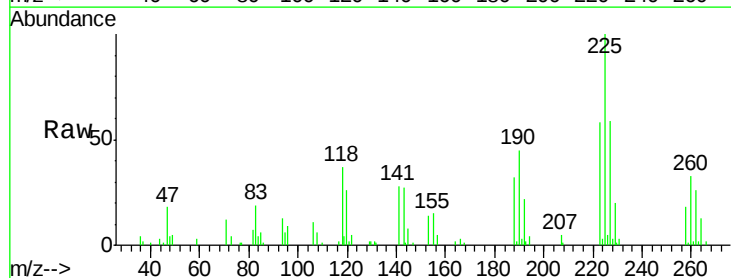
Manual Integrations
 APPROVED

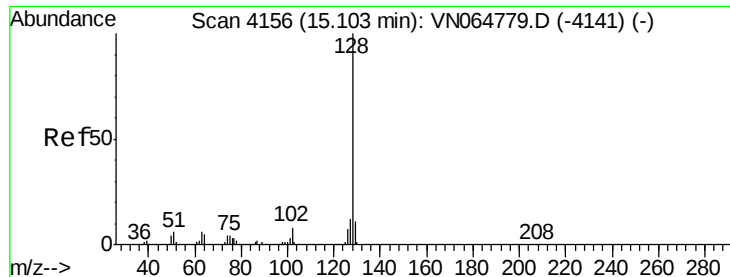
MMDadoda
 12/7/2020 10:45:33 AM



#94
 Hexachlorobutadiene
 Concen: 18.372 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064913.D
 Acq: 4 Dec 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.0	93.0
227	62.1	32.0	96.0





#95

Naphthalene

Concen: 16.283 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Instrument :

MSVOA_N

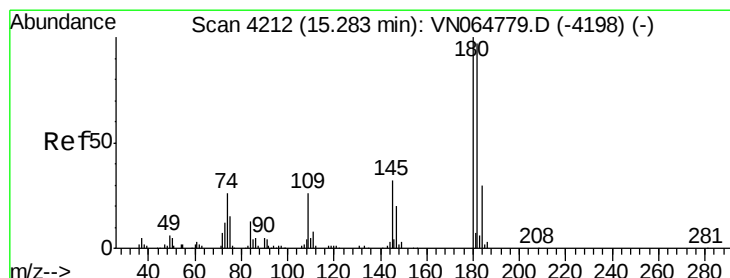
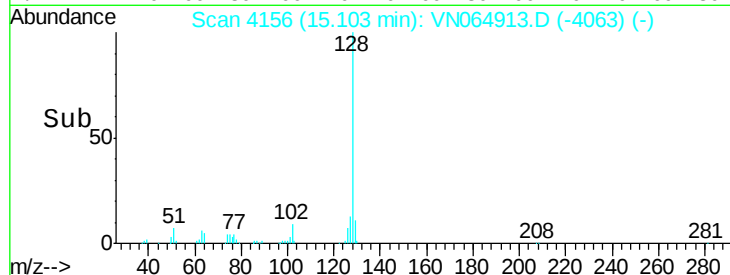
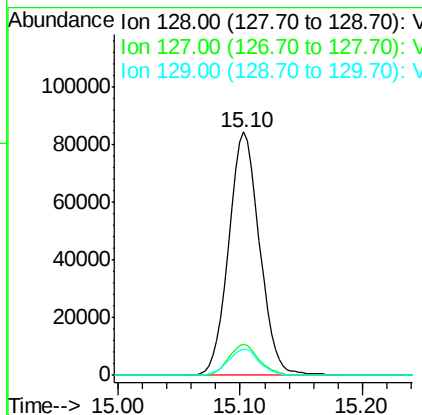
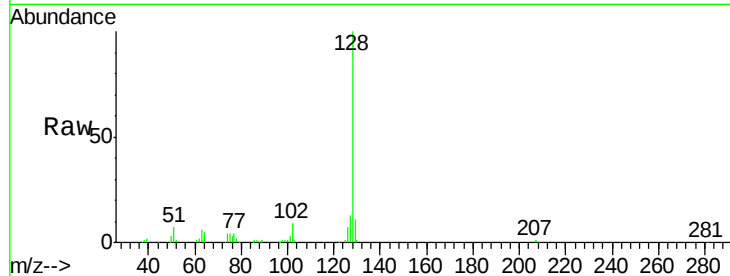
ClientSampleId :

VN1204MBS01

Tot Ion:	128	Resp:	148999
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:45:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.214 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064913.D

Acq: 4 Dec 2020 12:52

Tgt Ion:	180	Resp:	50227
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.1	144.4
145	31.5	16.4	49.1

