

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060078.D
 Acq On : 12 Feb 2020 17:07
 Operator : JC/MD
 Sample : VN0212MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:40 AM

Quant Time: Feb 13 01:20:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	134353	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.56	113	108883	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	10.08	98	422218	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.40	95	153533	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	44935	21.450	ug/l	98
3) Chloromethane	2.04	50	52886	21.214	ug/l	100
4) Vinyl Chloride	2.17	62	60565	21.314	ug/l	98
5) Bromomethane	2.55	94	36107	20.723	ug/l	98
6) Chloroethane	2.69	64	30043	20.903	ug/l	97
7) Trichlorofluoromethane	3.01	101	77057	21.033	ug/l	99
8) Diethyl Ether	3.39	74	26595	21.807	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	43210	21.244	ug/l	98
10) Methyl Iodide	3.93	142	51542	20.406	ug/l	99
11) Tert butyl alcohol	4.73	59	42488	111.334	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	43069	21.736	ug/l	96
13) Acrolein	3.58	56	31946	84.689	ug/l	96
14) Allyl chloride	4.30	41	62084	21.288	ug/l	96
15) Acrylonitrile	4.94	53	103049	110.569	ug/l	99
16) Acetone	3.78	43	108157	97.229	ug/l	99
17) Carbon Disulfide	4.03	76	123717	20.714	ug/l	99
18) Methyl Acetate	4.29	43	46575	22.289	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	142798	21.430	ug/l	96
20) Methylene Chloride	4.52	84	47190	21.263	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	45998	21.296	ug/l	99
22) Diisopropyl ether	5.92	45	136168	21.304	ug/l	97
23) Vinyl Acetate	5.86	43	574169	106.971	ug/l	100
24) 1,1-Dichloroethane	5.82	63	81630	21.082	ug/l	98
25) 2-Butanone	6.80	43	147541	105.459	ug/l	98
26) 2,2-Dichloropropane	6.80	77	76505	20.802	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	52480	20.761	ug/l	99
28) Bromochloromethane	7.17	49	31099	20.430	ug/l	100
29) Tetrahydrofuran	7.18	42	93509	108.950	ug/l	99
30) Chloroform	7.35	83	86848	21.412	ug/l	99
31) Cyclohexane	7.63	56	74888	20.763	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	78595	21.205	ug/l	100
36) 1,1-Dichloropropene	7.77	75	64667	20.851	ug/l	99
37) Ethyl Acetate	6.90	43	59522	21.235	ug/l	99
38) Carbon Tetrachloride	7.75	117	70457	20.918	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	79834	20.737	ug/l	99
40) Benzene	8.02	78	190062	20.659	ug/l	98
41) Methacrylonitrile	7.15	41	27790m	23.641	ug/l	
42) 1,2-Dichloroethane	8.10	62	68834	21.347	ug/l	98
43) Isopropyl Acetate	8.14	43	100849	21.048	ug/l	100
44) Trichloroethene	8.82	130	53032	20.818	ug/l	100
45) 1,2-Dichloropropane	9.10	63	48757	21.406	ug/l	98
46) Dibromomethane	9.19	93	33713	20.945	ug/l	97
47) Bromodichloromethane	9.39	83	68641	20.976	ug/l	99
48) Methyl methacrylate	9.18	41	43904	20.423	ug/l	99
49) 1,4-Dioxane	9.18	88	17519	476.956	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	299016	107.817	ug/l	100
52) Toluene	10.14	92	123729	20.972	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	77274	20.920	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	80968	20.817	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	47392	20.591	ug/l	97
56) Ethyl methacrylate	10.42	69	68528	21.047	ug/l	99
57) 1,3-Dichloropropane	10.70	76	78727	20.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	163952	108.089	ug/l	100
59) 2-Hexanone	10.74	43	226132	105.553	ug/l	100
60) Dibromochloromethane	10.89	129	54229	20.532	ug/l	100
61) 1,2-Dibromoethane	11.00	107	50170	20.794	ug/l	98
64) Tetrachloroethene	10.62	164	47767	20.185	ug/l	99
65) Chlorobenzene	11.43	112	131270	20.698	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	51194	21.338	ug/l	99
67) Ethyl Benzene	11.50	91	239131	20.906	ug/l	100
68) m/p-Xylenes	11.62	106	179120	41.723	ug/l	100
69) o-Xylene	11.94	106	85814	20.760	ug/l	99
70) Styrene	11.96	104	137218	20.586	ug/l	99
71) Bromoform	12.12	173	40506	20.991	ug/l #	100
73) Isopropylbenzene	12.25	105	235803	20.976	ug/l	99
74) N-amyl acetate	12.07	43	86711	21.391	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	69948	21.618	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	62121m	21.569	ug/l	
77) Bromobenzene	12.52	156	63685	22.828	ug/l	91
78) n-propylbenzene	12.59	91	264698	20.667	ug/l	99
79) 2-Chlorotoluene	12.67	91	155110	20.604	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	198346	21.221	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24726	21.020	ug/l	99
82) 4-Chlorotoluene	12.77	91	159487	20.650	ug/l	100
83) tert-Butylbenzene	12.99	119	170563	20.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	195666	21.207	ug/l	99
85) sec-Butylbenzene	13.17	105	228070	20.828	ug/l	100
86) p-Isopropyltoluene	13.28	119	207962	20.961	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	103211	20.900	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	102070	20.673	ug/l	97
89) n-Butylbenzene	13.61	91	183090	20.981	ug/l	99
90) Hexachloroethane	13.87	117	37874	20.434	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	100554	20.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14699	20.916	ug/l	99

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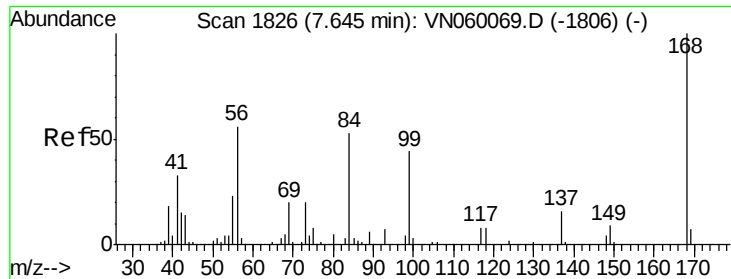
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	63161	22.243	uq/l	99
94) Hexachlorobutadiene	15.01	225	33496	20.149	uq/l	98
95) Naphthalene	15.13	128	173749	22.651	uq/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61406	21.715	uq/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion:168 Resp: 209579

Ion Ratio Lower Upper

168 100

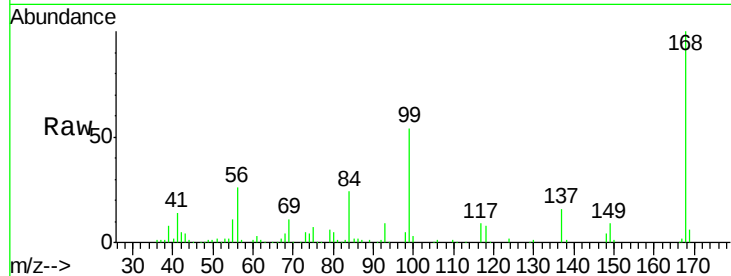
99 54.0 42.7 64.1

Manual Integrations

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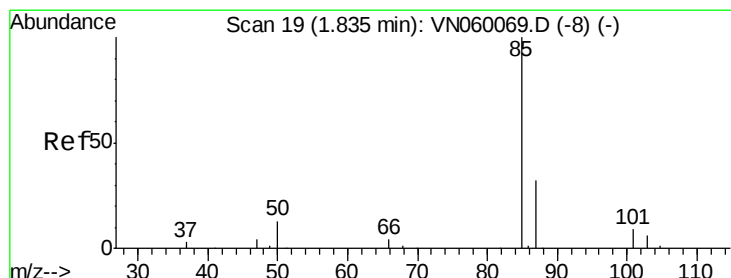
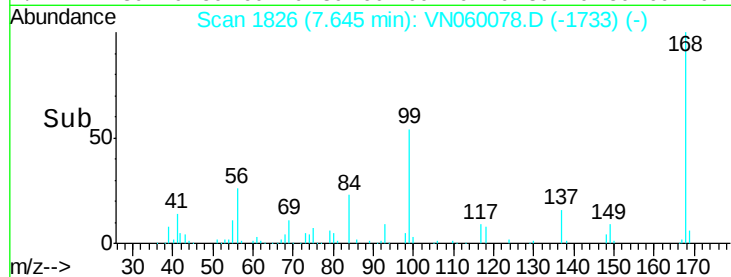
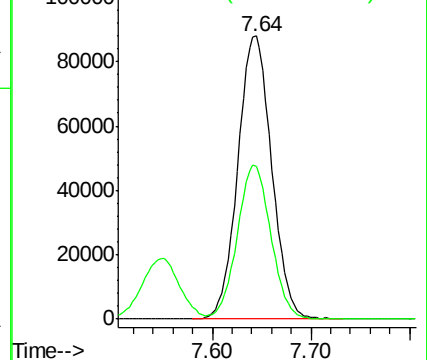
MMDadoda

2/13/2020 10:37:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.450 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060078.D

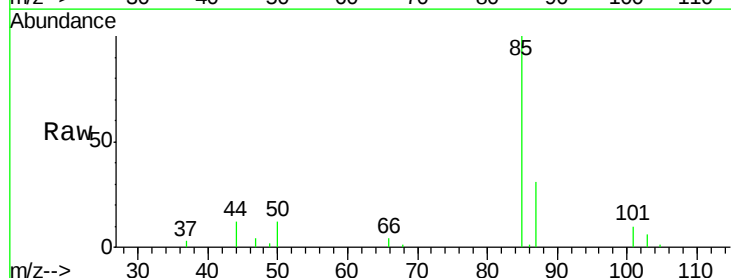
Acq: 12 Feb 2020 17:07

Tgt Ion: 85 Resp: 44935

Ion Ratio Lower Upper

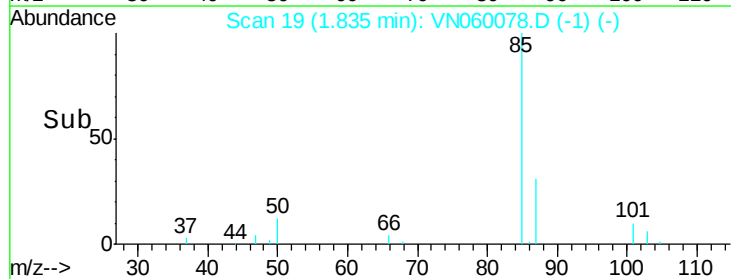
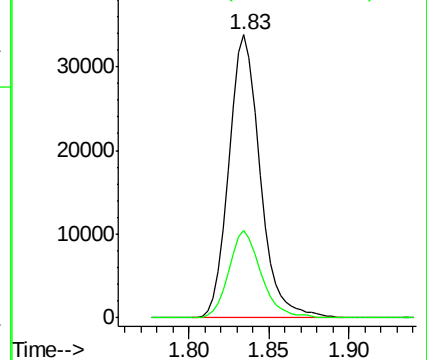
85 100

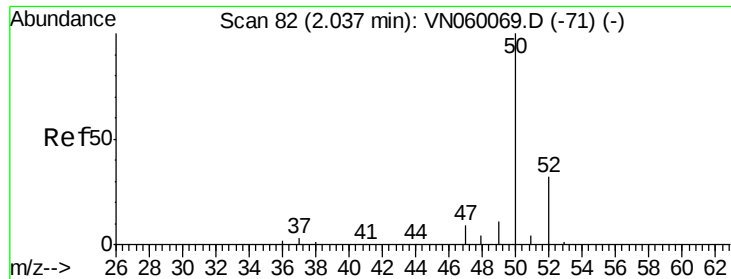
87 30.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.214 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 50 Resp: 52886

Ion Ratio Lower Upper

50 100

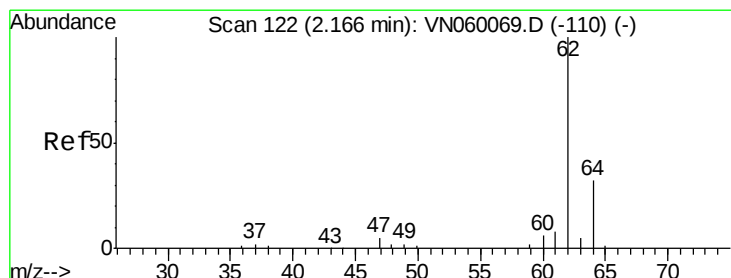
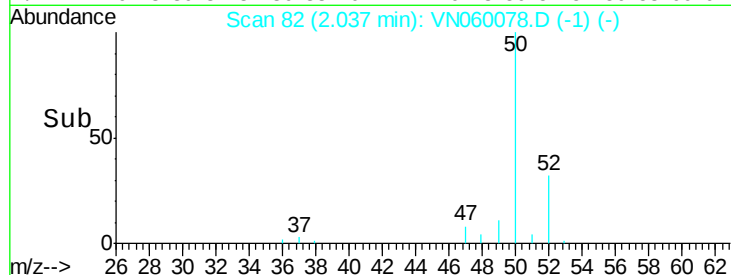
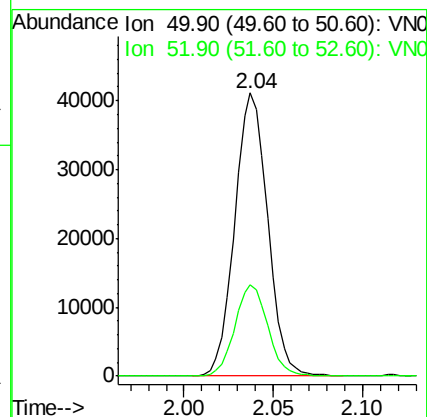
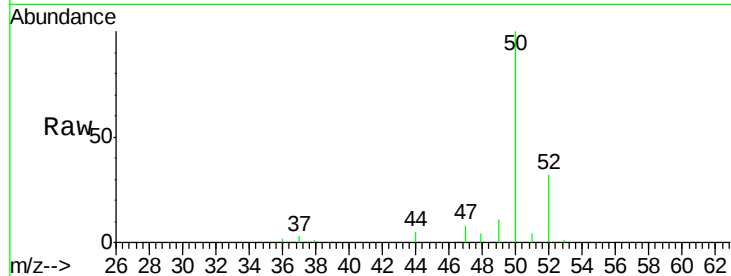
52 32.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.314 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060078.D

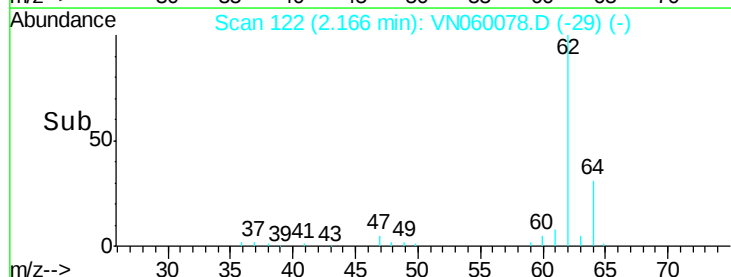
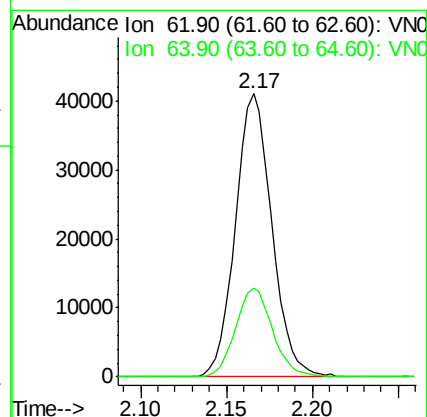
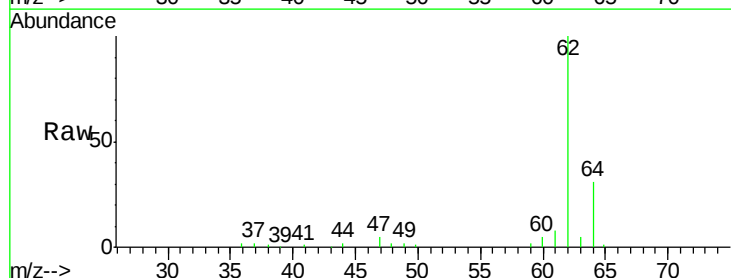
Acq: 12 Feb 2020 17:07

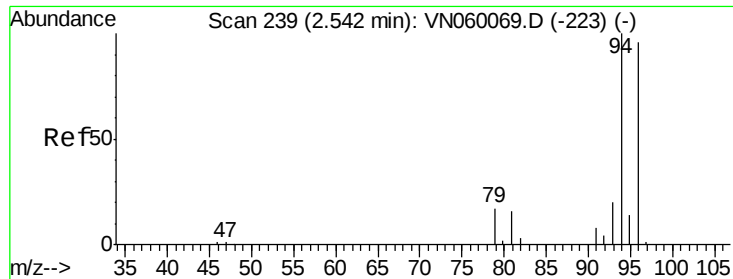
Tgt Ion: 62 Resp: 60565

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9





#5

Bromomethane

Concen: 20.723 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

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ClientSampleId :

VN0212MBSD01

Tot Ion: 94 Resp: 36107

Ion Ratio Lower Upper

94 100

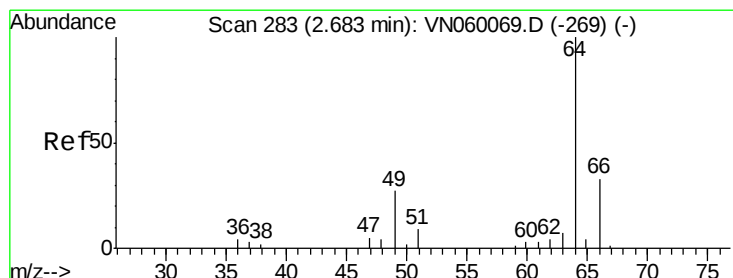
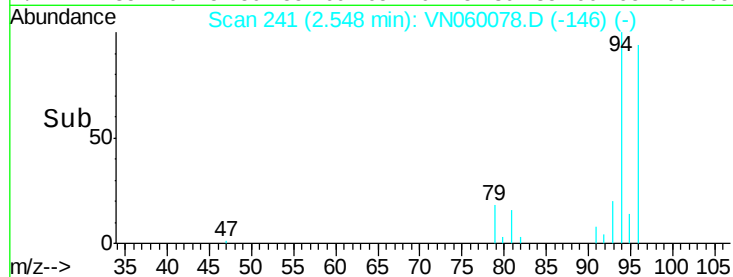
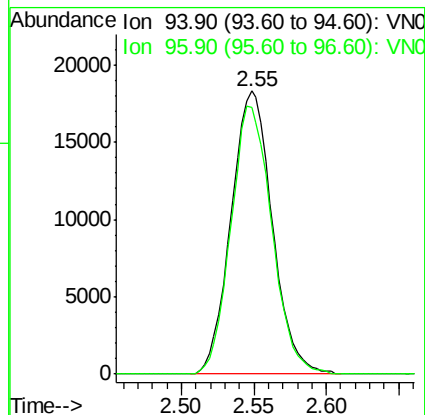
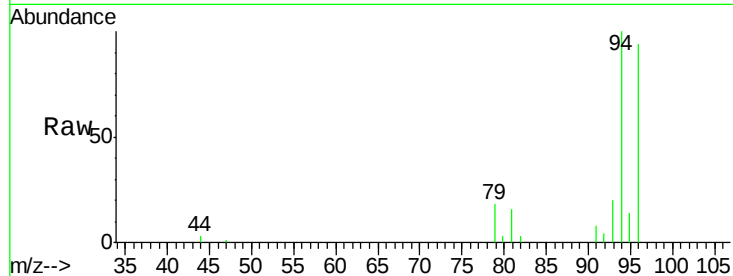
96 94.4 76.7 115.1

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#6

Chloroethane

Concen: 20.903 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060078.D

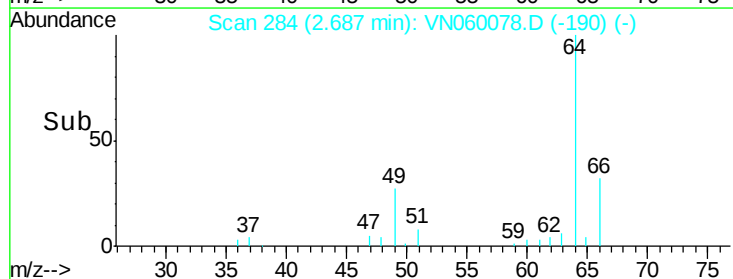
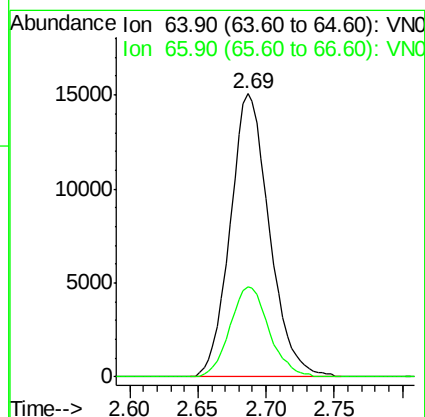
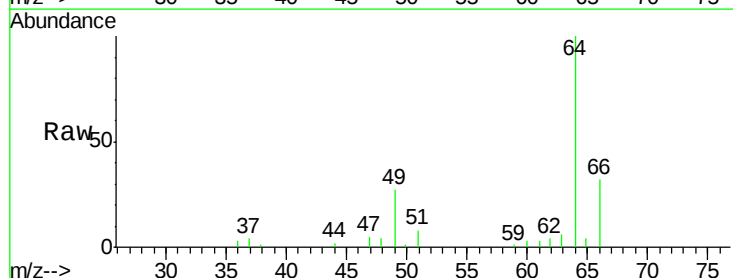
Acq: 12 Feb 2020 17:07

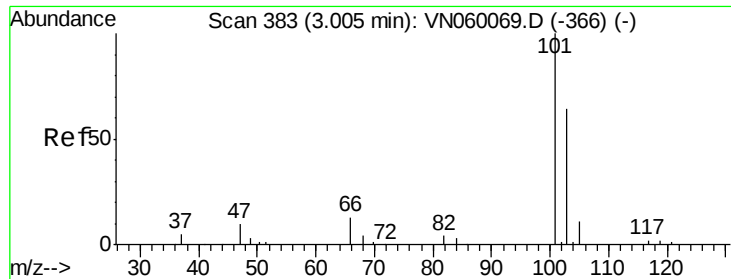
Tgt Ion: 64 Resp: 30043

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0





#7

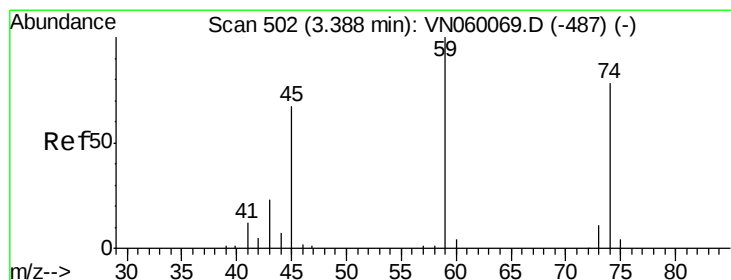
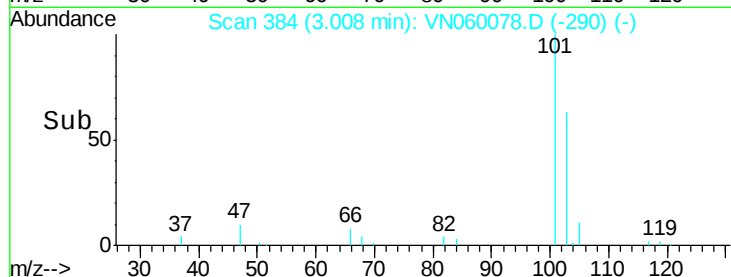
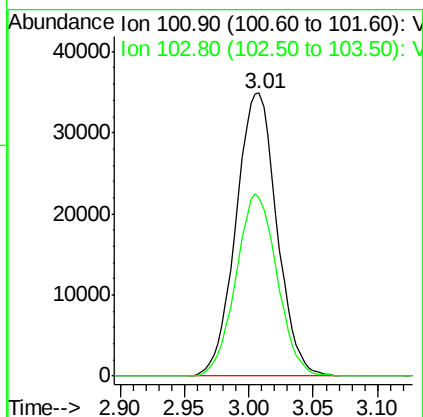
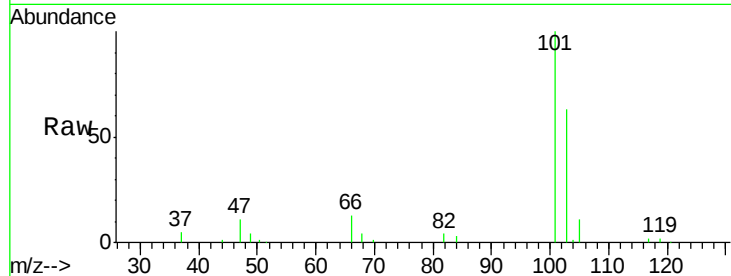
Trichlorofluoromethane
 Concen: 21.033 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
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 VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.0	76.6

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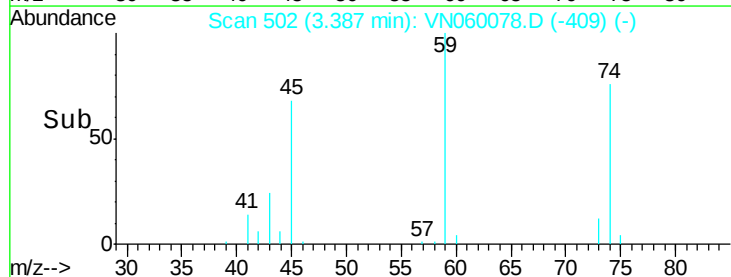
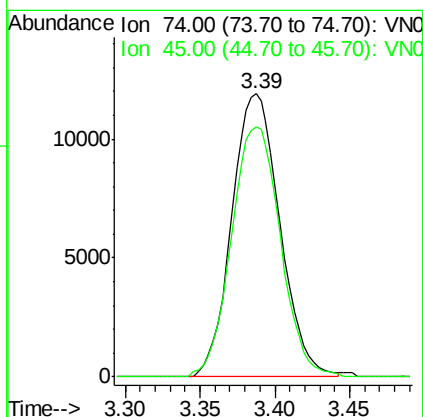
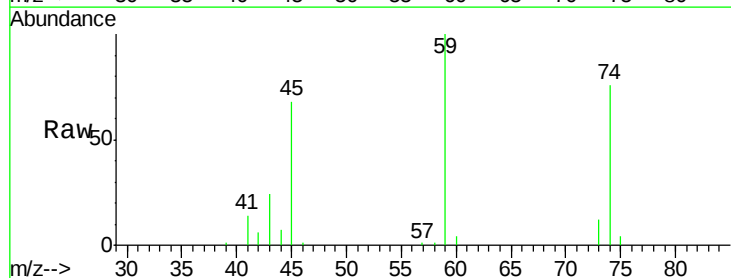
MMDadoda
 2/13/2020 10:37:40 AM

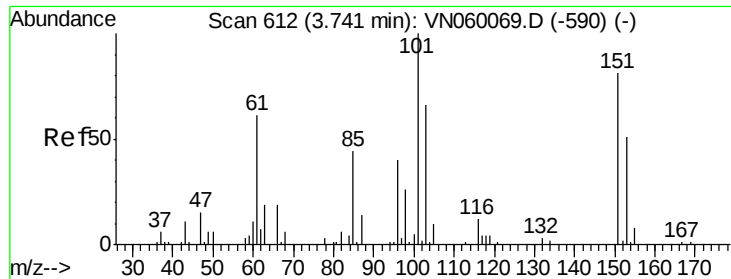


#8

Diethyl Ether
 Concen: 21.807 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	44.7	134.1





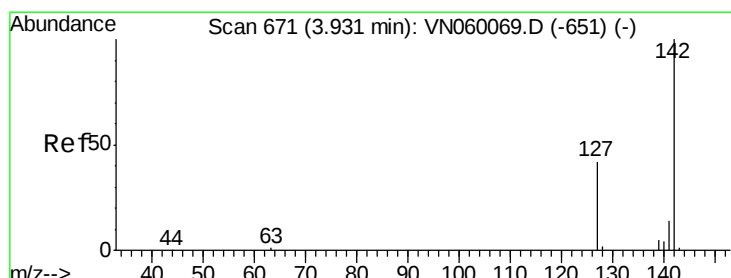
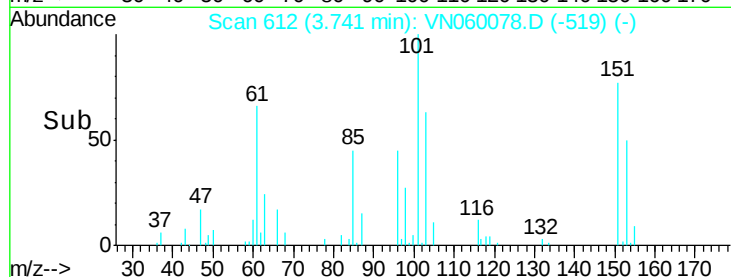
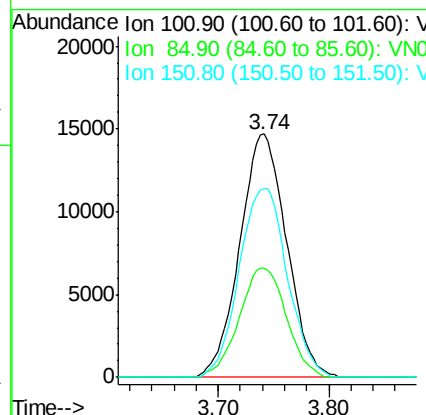
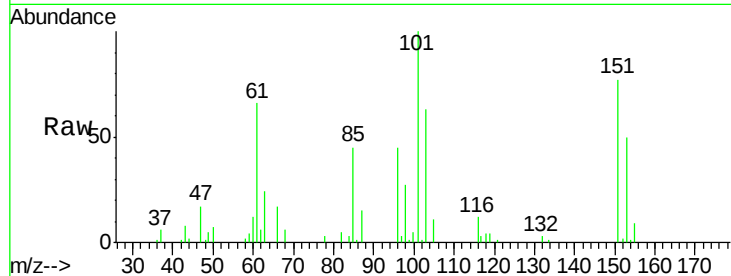
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.244 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.1	52.7
151	80.0	65.8	98.6

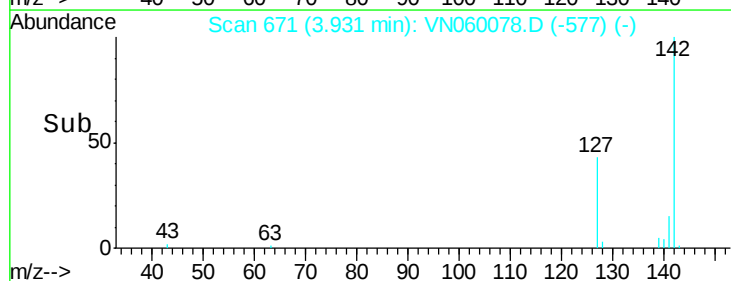
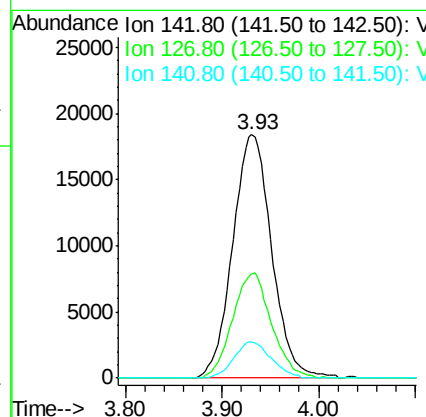
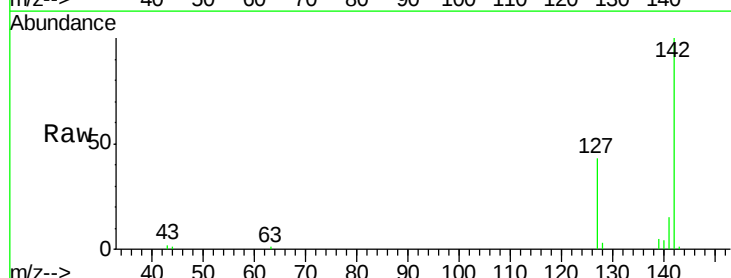
Manual Integrations
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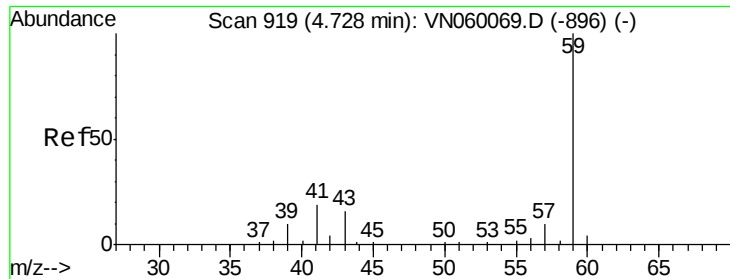
MMDadoda
2/13/2020 10:37:40 AM



#10
Methyl Iodide
Concen: 20.406 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	33.6	50.4
141	14.2	11.4	17.2





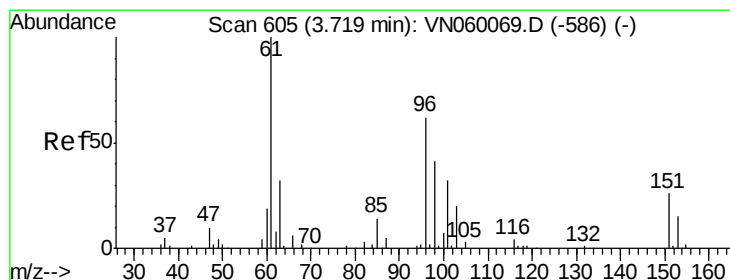
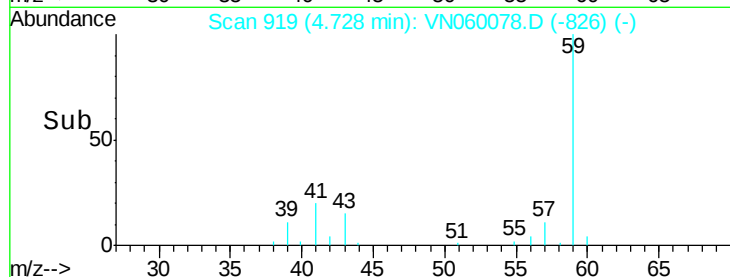
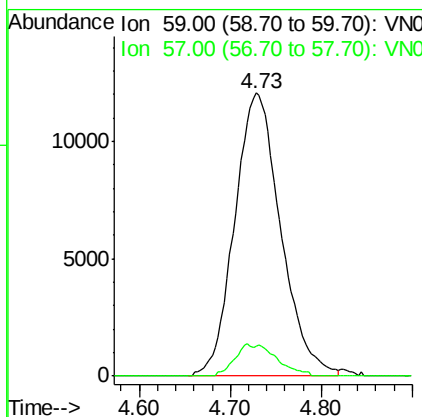
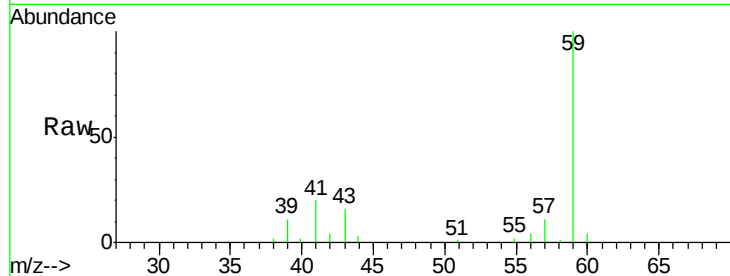
#11
Tert butyl alcohol
Concen: 111.334 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.2	12.4#

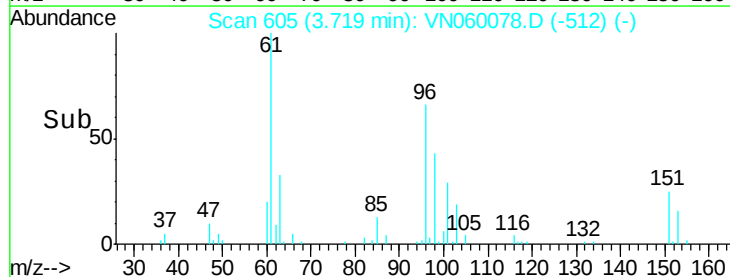
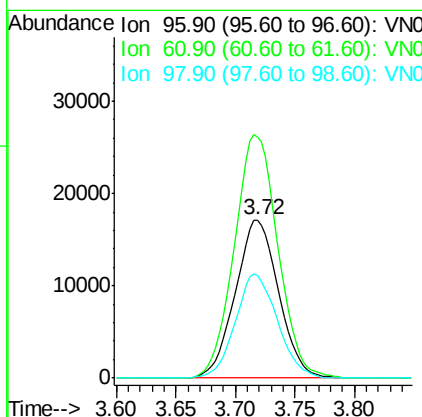
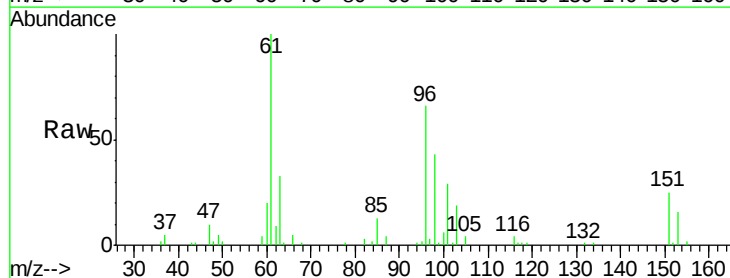
Manual Integrations
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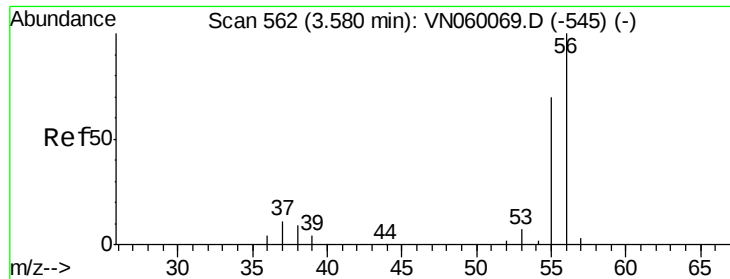
MMDadoda
2/13/2020 10:37:40 AM



#12
1,1-Dichloroethene
Concen: 21.736 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	128.3	192.5
98	65.0	52.2	78.4





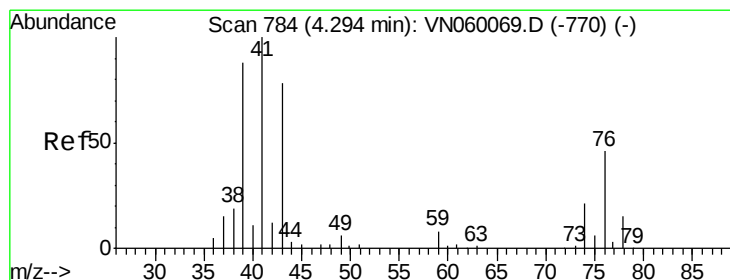
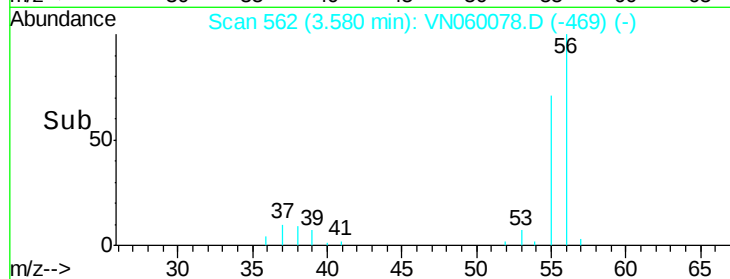
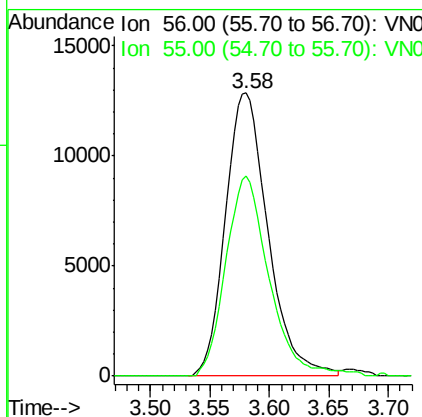
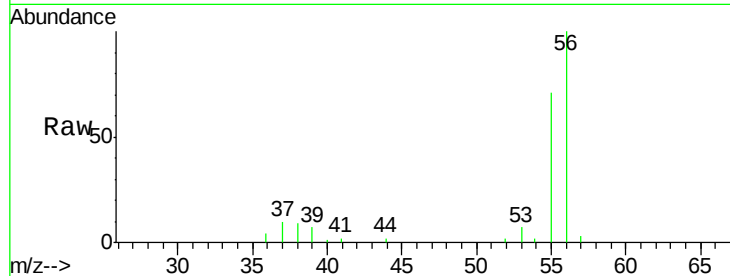
#13
Acrolein
Concen: 84.689 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	56	Resp	31946
Ion Ratio	100	Lower	Upper
56	100		
55	71.7	54.8	82.2

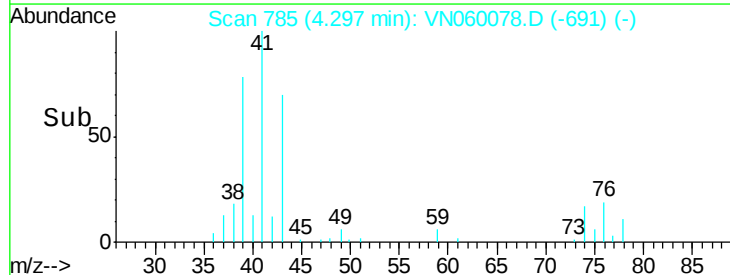
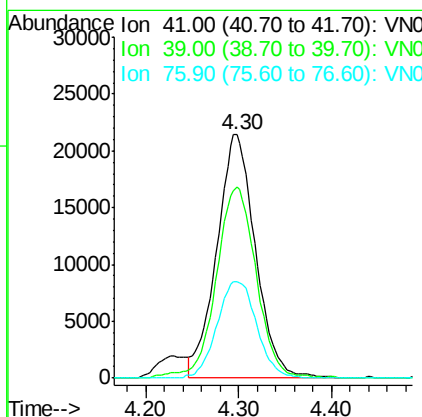
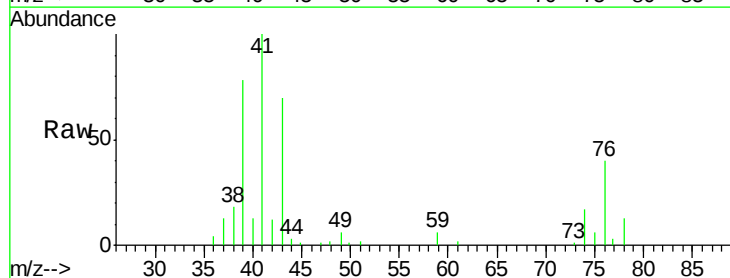
Manual Integrations
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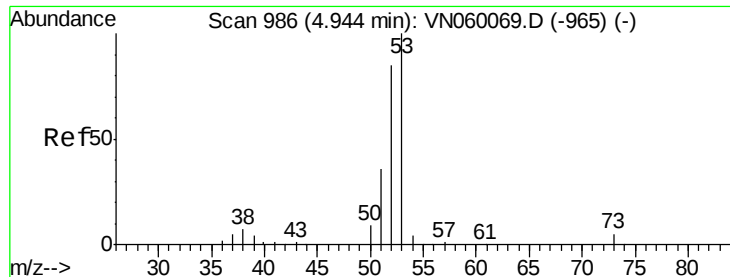
MMDadoda
2/13/2020 10:37:40 AM



#14
Allyl chloride
Concen: 21.288 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	41	Resp	62084
Ion Ratio	100	Lower	Upper
41	100		
39	80.9	67.8	101.8
76	40.5	33.9	50.9





#15

Acrylonitrile

Concen: 110.569 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

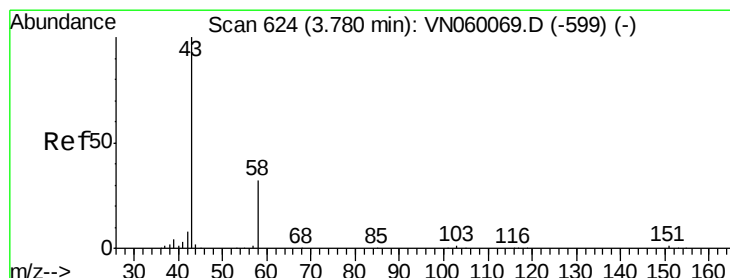
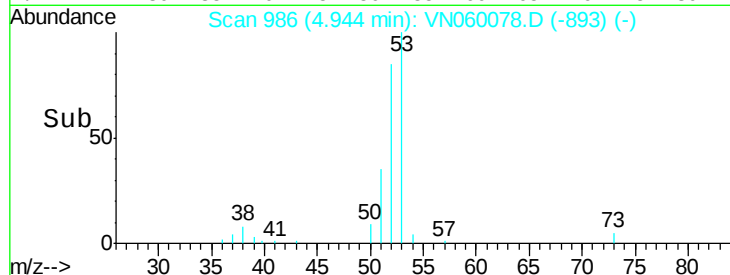
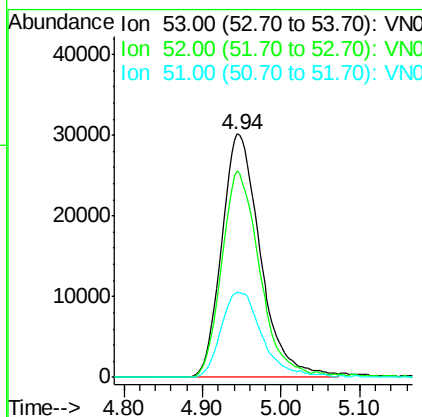
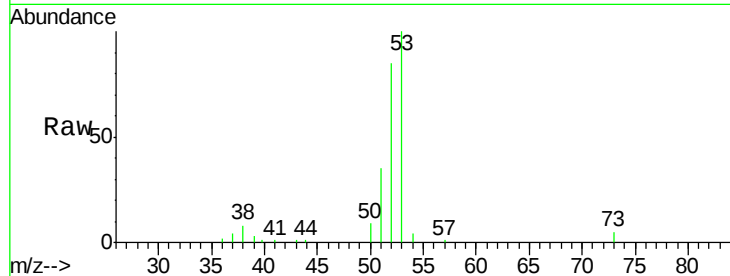
ClientSampleId :

VN0212MBSD01

Tot Ion:	53	Resp:	103049
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	36.6	29.4	44.0

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MMDadoda
2/13/2020 10:37:40 AM



#16

Acetone

Concen: 97.229 ug/l

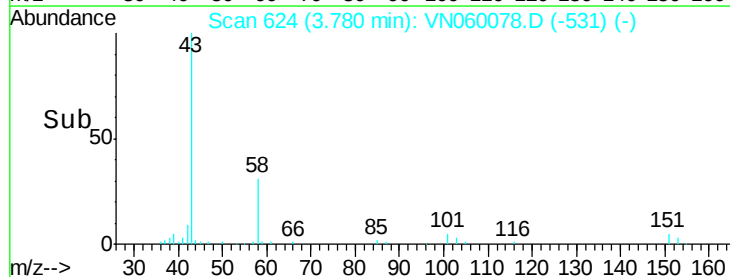
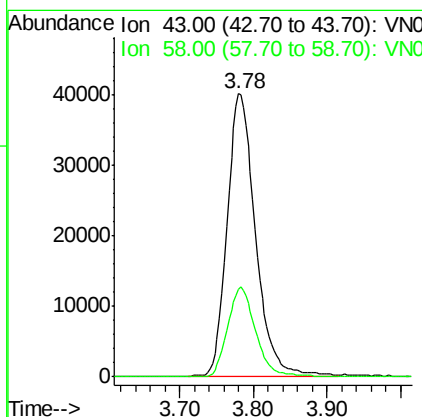
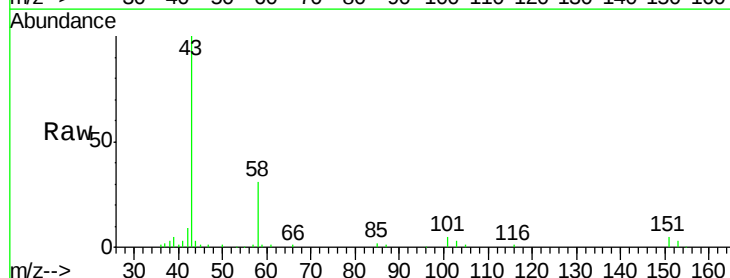
RT: 3.78 min Scan# 624

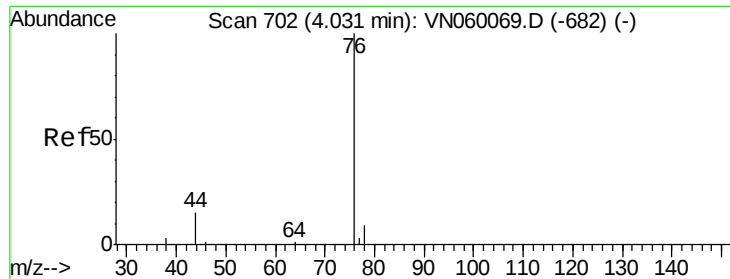
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	43	Resp:	108157
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.2	37.8





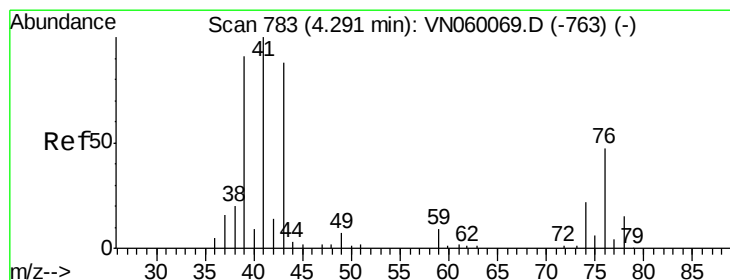
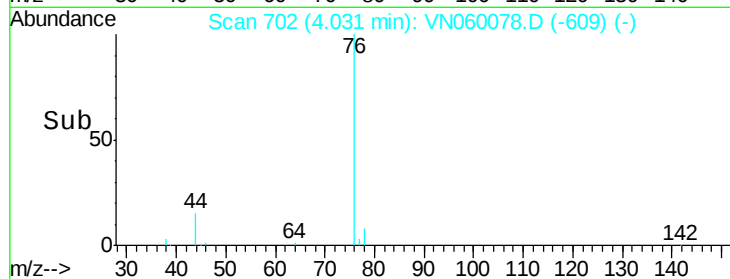
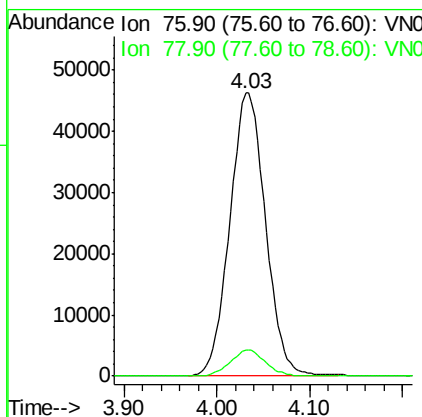
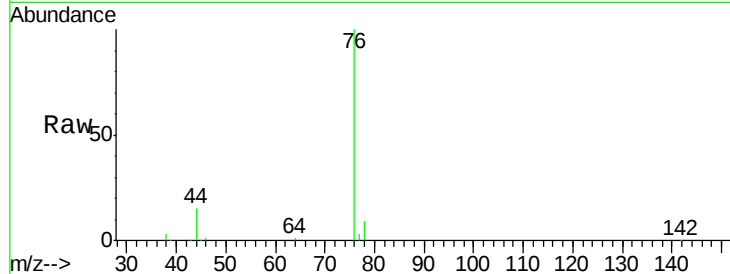
#17
Carbon Disulfide
Concen: 20.714 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

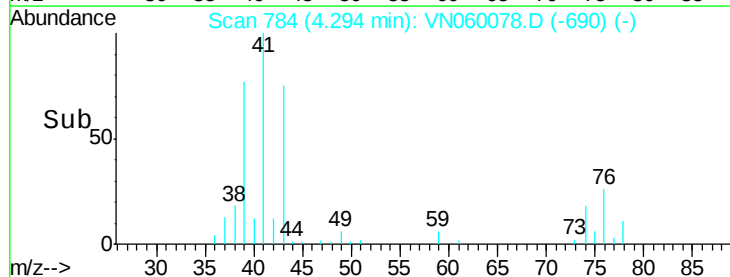
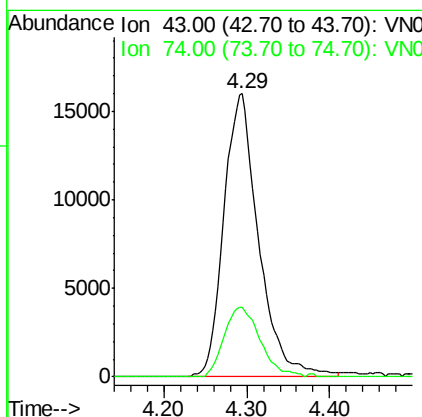
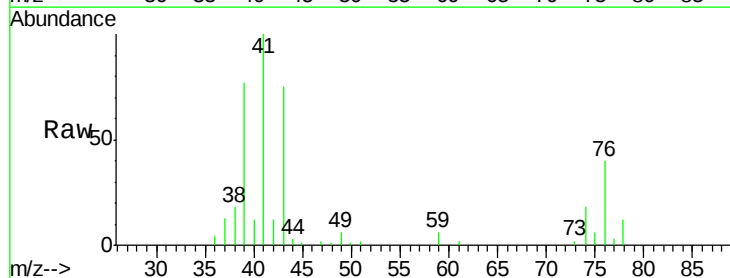
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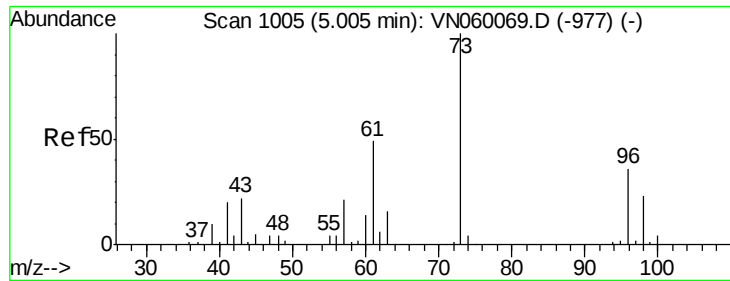
MMDadoda
2/13/2020 10:37:40 AM



#18
Methyl Acetate
Concen: 22.289 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.3	30.5





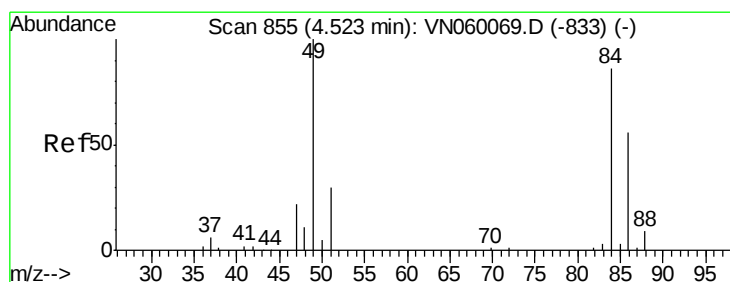
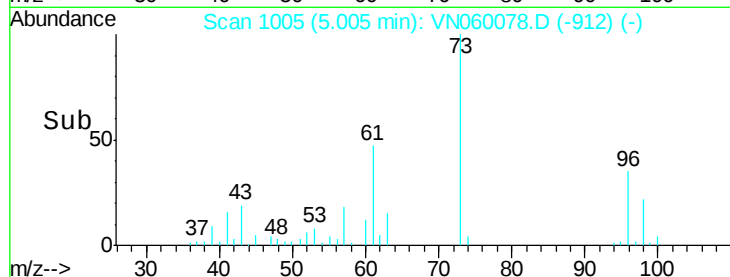
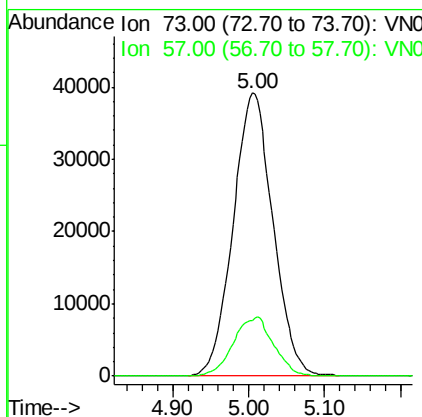
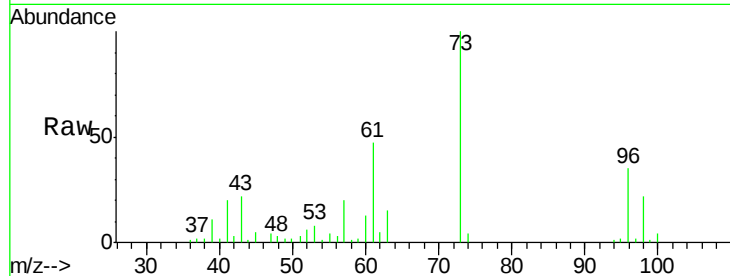
#19
Methvl tert-butvl Ether
Concen: 21.430 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion: 73 Resp: 142798
Ion Ratio Lower Upper
73 100
57 19.7 17.2 25.8

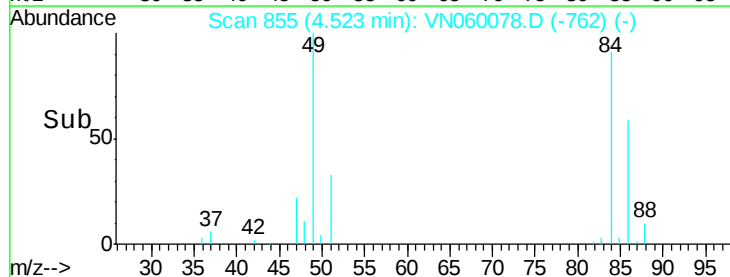
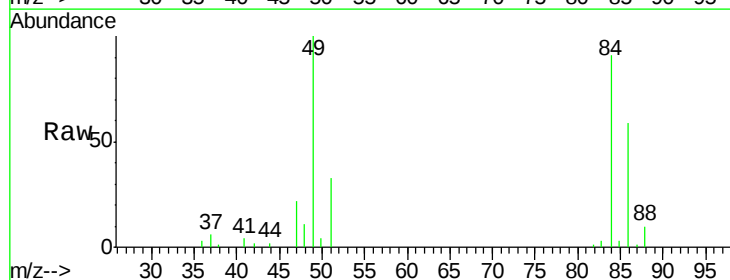
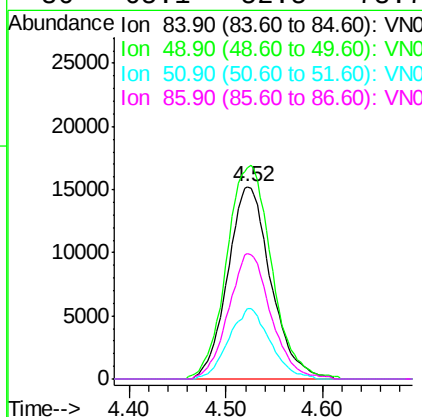
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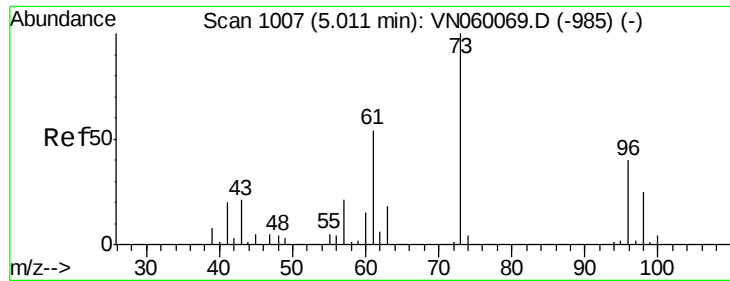
MMDadoda
2/13/2020 10:37:40 AM



#20
Methylene Chloride
Concen: 21.263 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion: 84 Resp: 47190
Ion Ratio Lower Upper
84 100
49 108.7 93.4 140.0
51 36.7 28.4 42.6
86 65.1 52.5 78.7





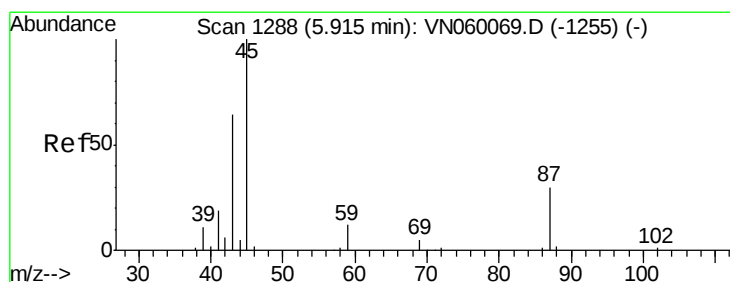
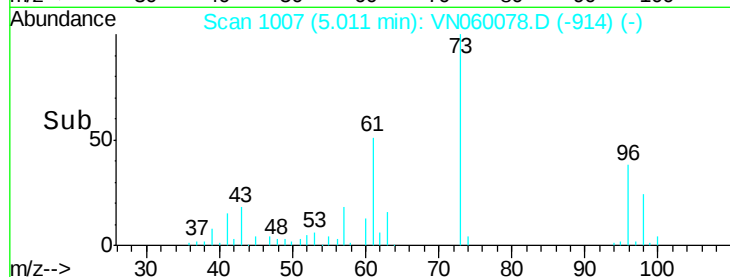
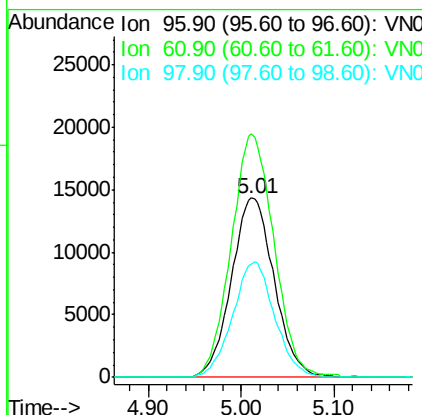
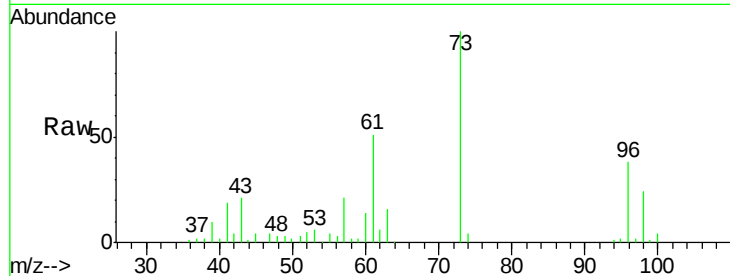
#21
trans-1,2-Dichloroethene
Concen: 21.296 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.3	163.9
98	63.3	51.0	76.6

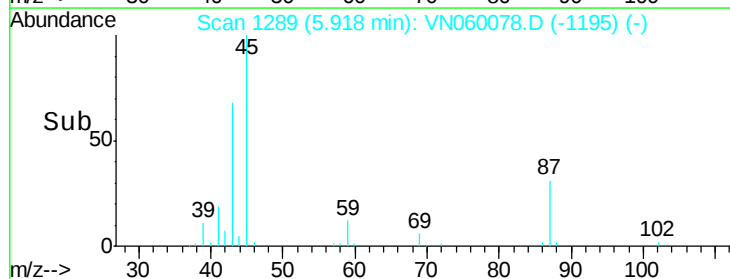
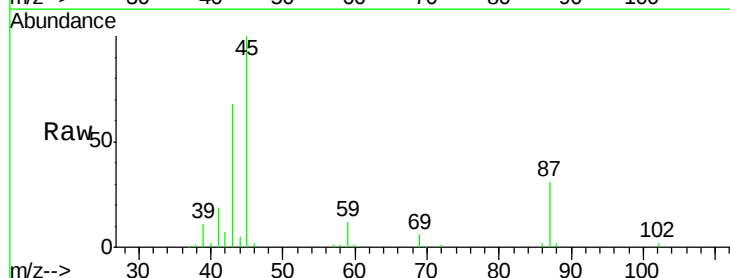
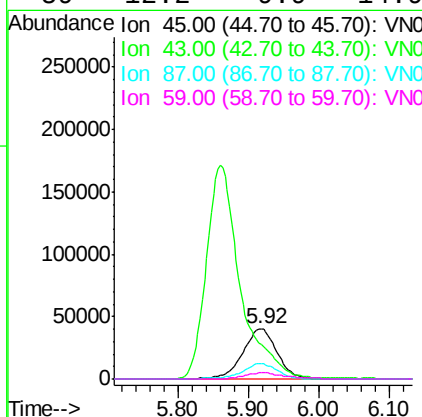
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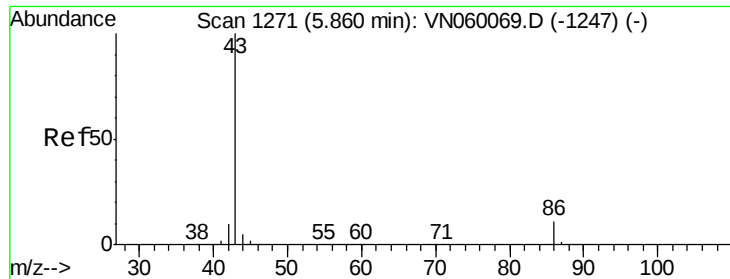
MMDadoda
2/13/2020 10:37:40 AM



#22
Diisopropyl ether
Concen: 21.304 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.9	55.9	83.9
87	30.7	24.5	36.7
59	12.2	9.9	14.9





#23

Vinyl Acetate

Concen: 106.971 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 43 Resp: 574169

Ion Ratio Lower Upper

43 100

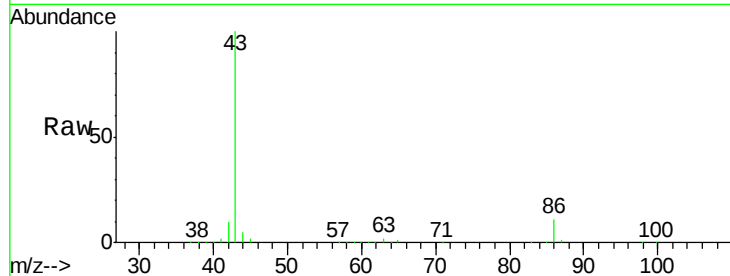
86 11.1 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

200000

150000

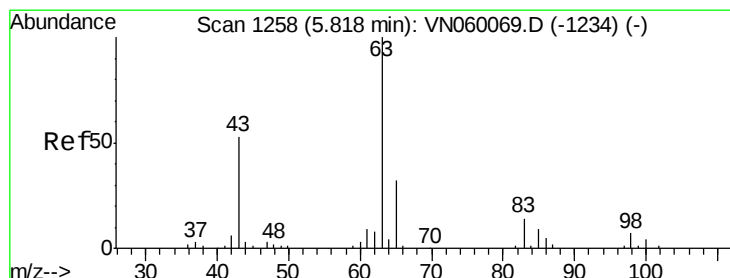
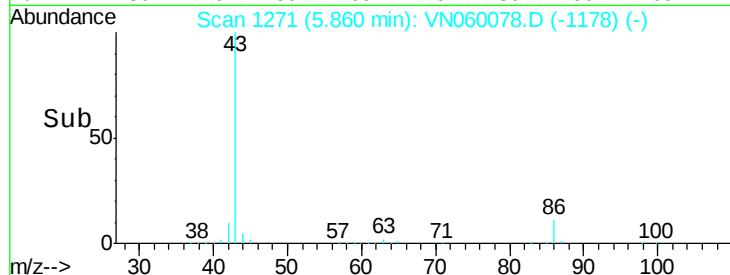
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.082 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

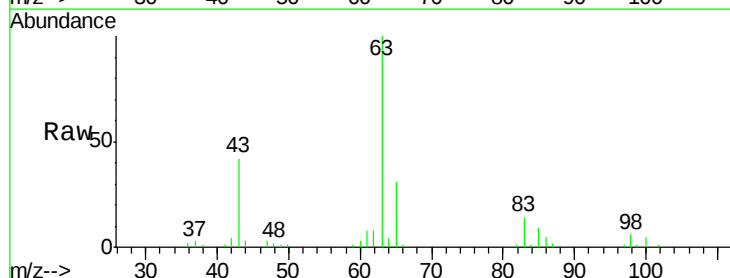
Tgt Ion: 63 Resp: 81630

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.5 2.2 6.6



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

30000

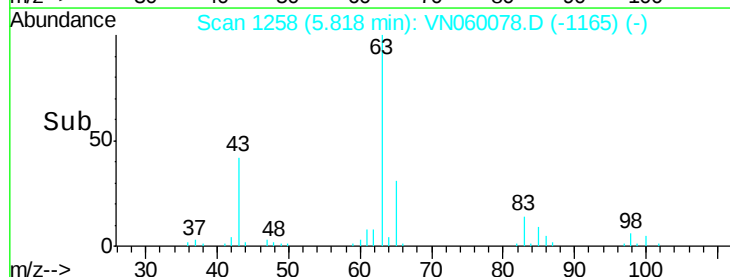
20000

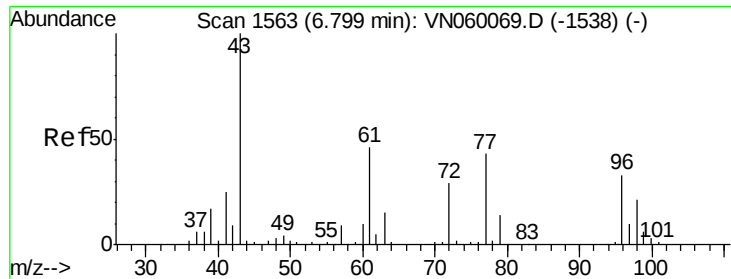
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 105.459 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 43 Resp: 147541

Ion Ratio Lower Upper

43 100

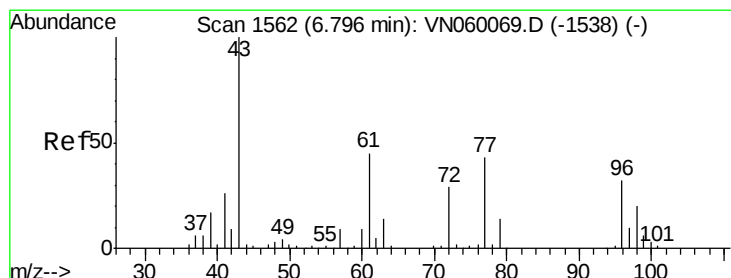
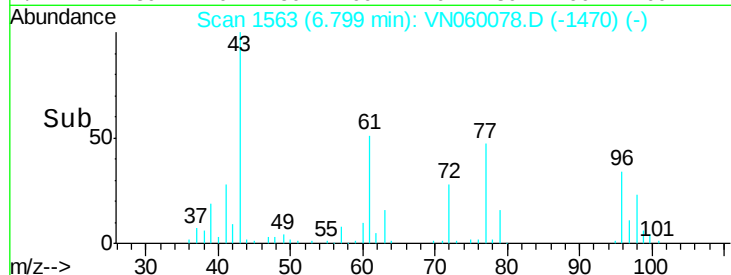
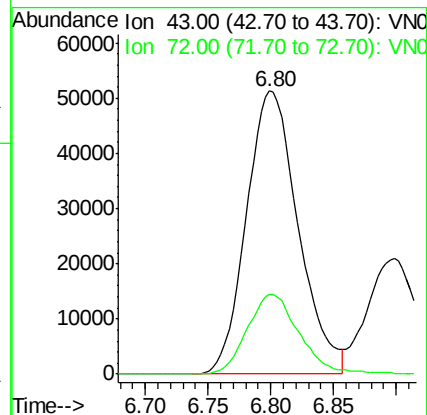
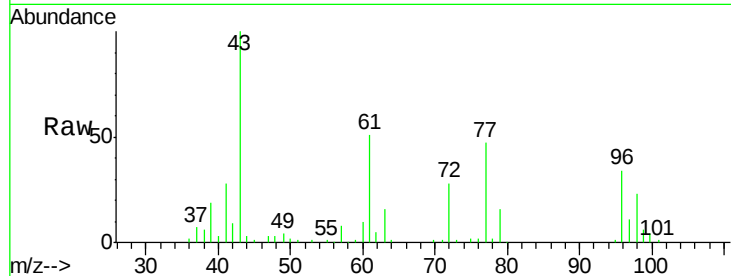
72 28.2 23.3 34.9

Manual Integrations

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MMDadoda

2/13/2020 10:37:40 AM



#26

2,2-Dichloropropane

Concen: 20.802 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060078.D

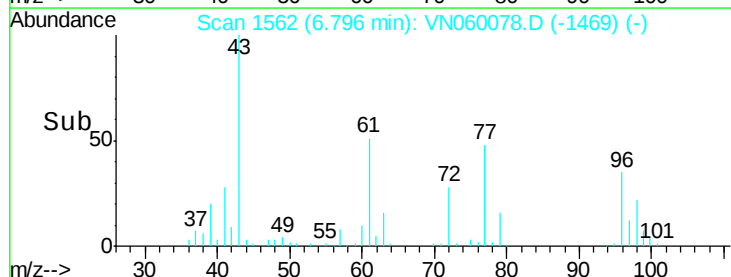
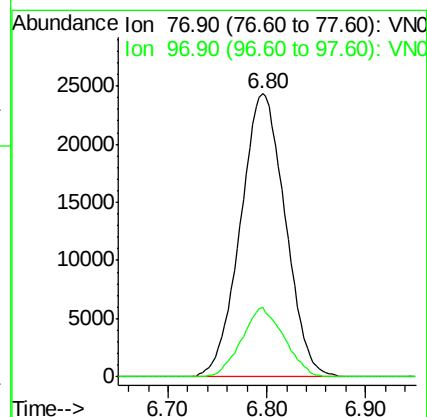
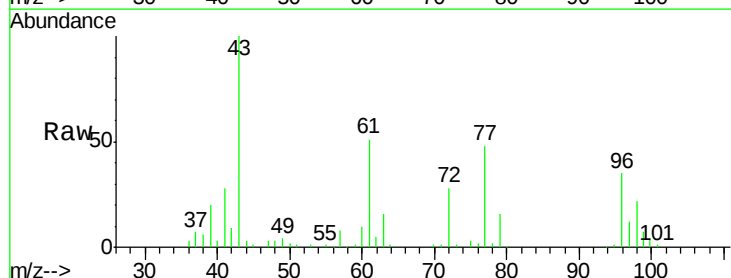
Acq: 12 Feb 2020 17:07

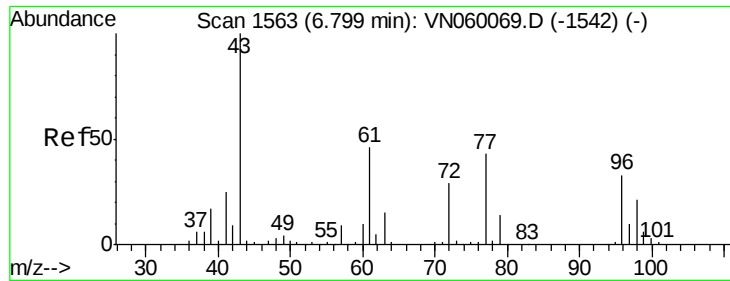
Tgt Ion: 77 Resp: 76505

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.761 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

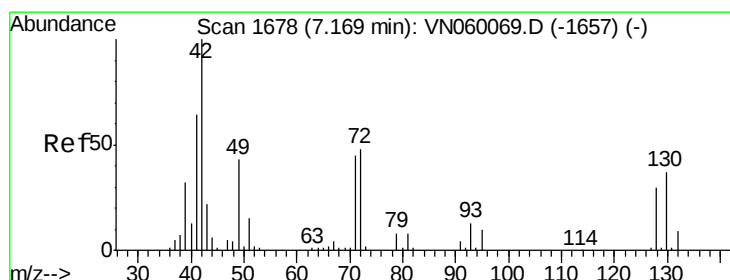
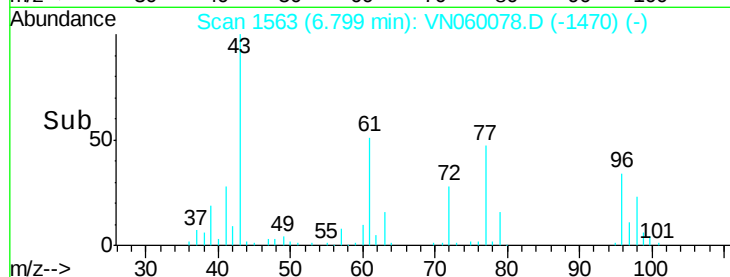
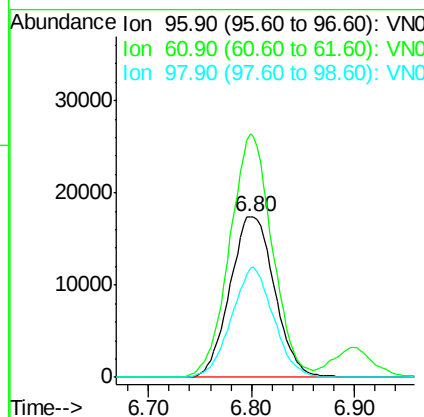
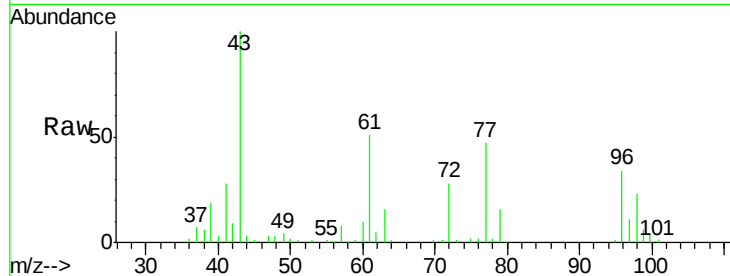
ClientSampleId :

VN0212MBSD01

Tot Ion:	96	Resp:	52480
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	285.8
98	64.2	0.0	129.6

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#28

Bromochloromethane

Concen: 20.430 ug/l

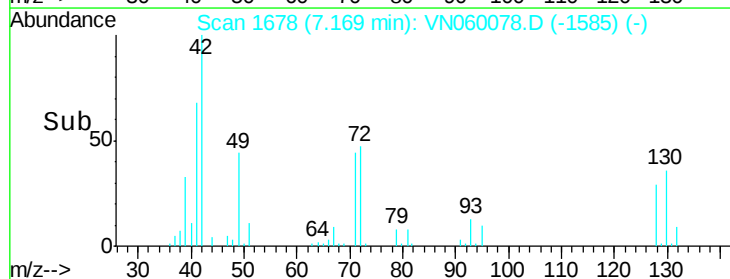
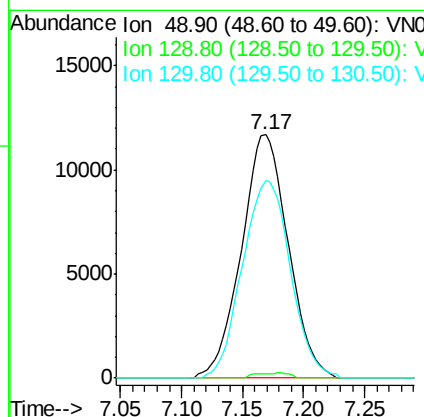
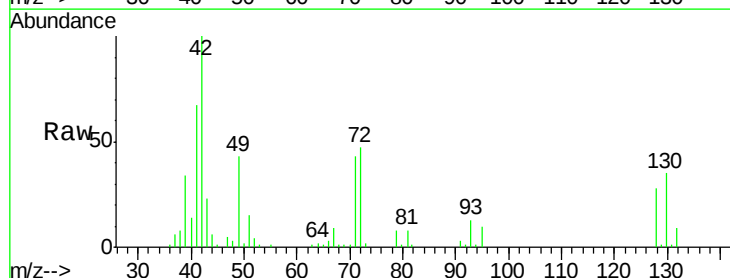
RT: 7.17 min Scan# 1678

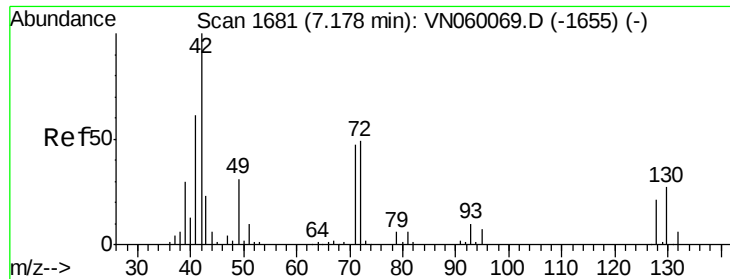
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	49	Resp:	31099
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.2
130	83.3	66.8	100.2





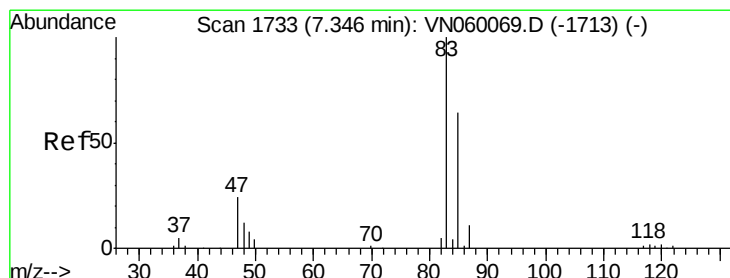
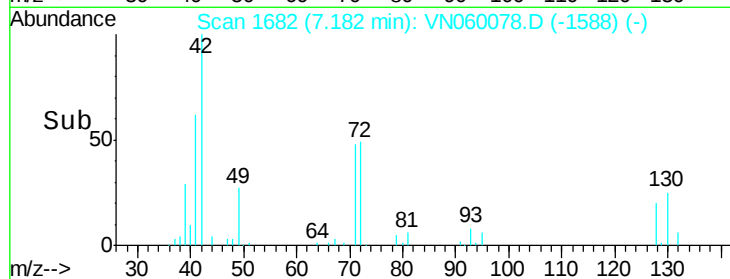
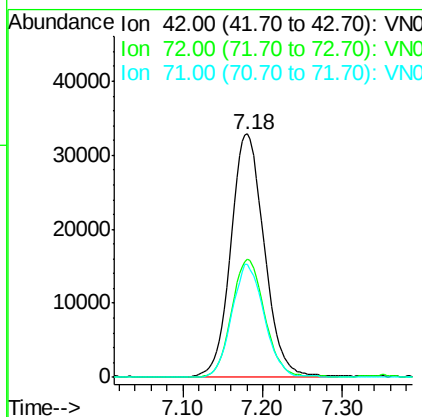
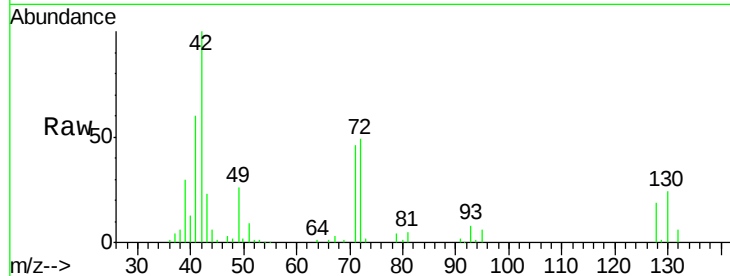
#29
Tetrahydrofuran
Concen: 108.950 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.4
71	44.8	36.6	54.8

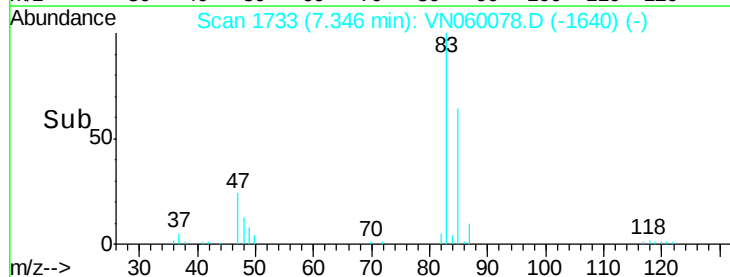
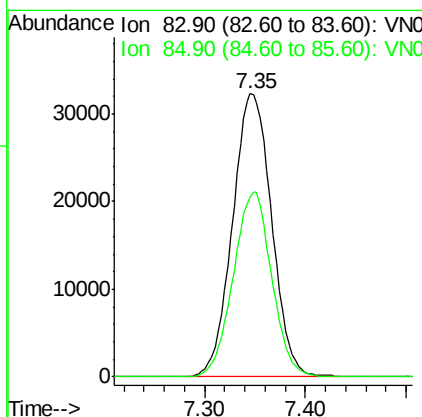
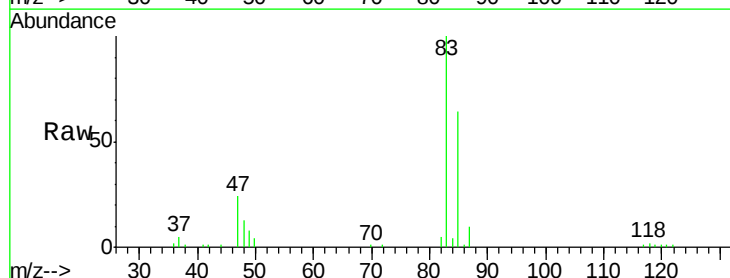
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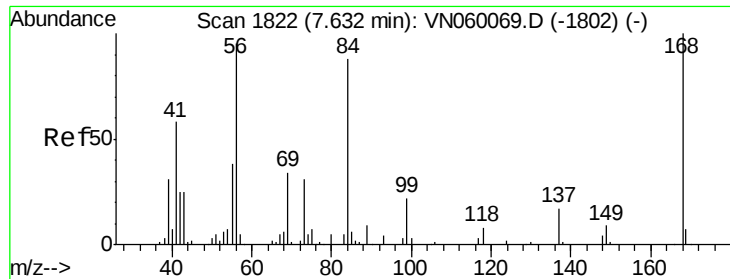
MMDadoda
2/13/2020 10:37:40 AM



#30
Chloroform
Concen: 21.412 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0





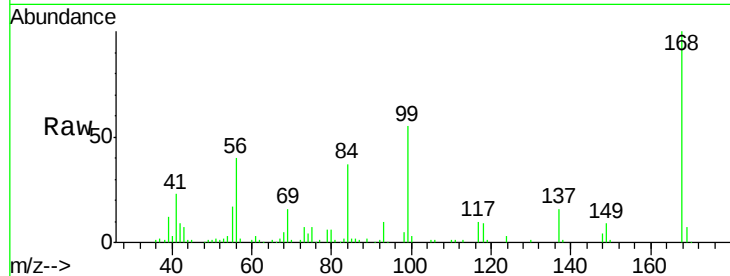
#31
Cyclohexane
Concen: 20.763 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	28.3	42.5
84	91.5	72.6	108.8

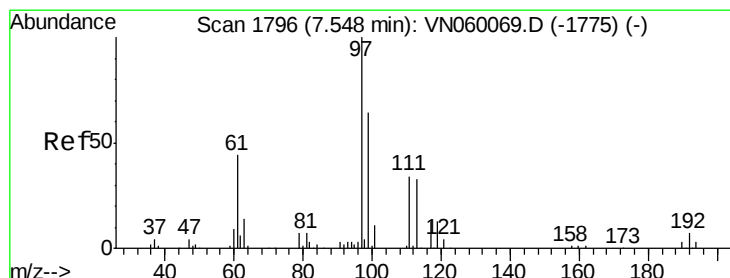
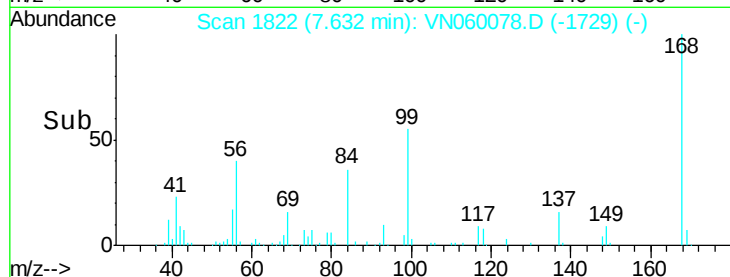
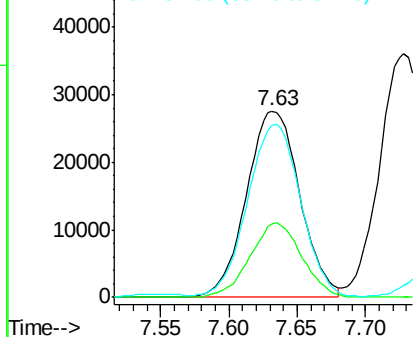
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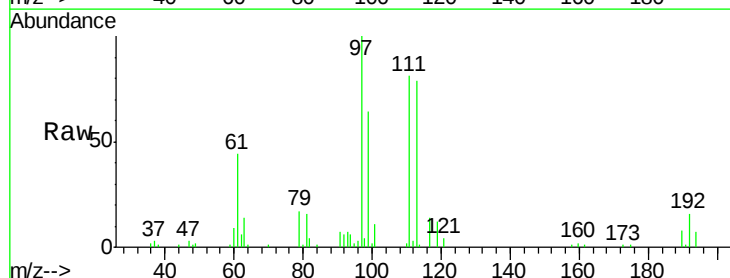
Abundance

Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



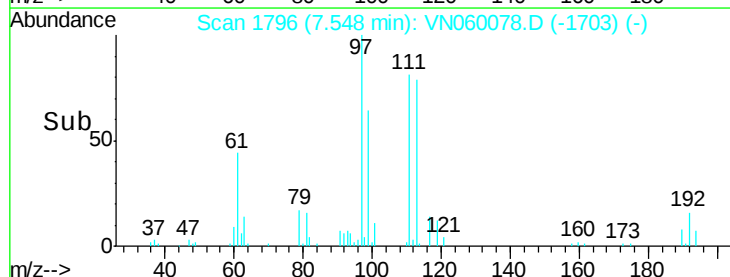
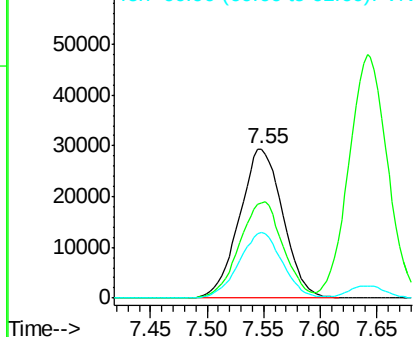
#32
1,1,1-Trichloroethane
Concen: 21.205 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

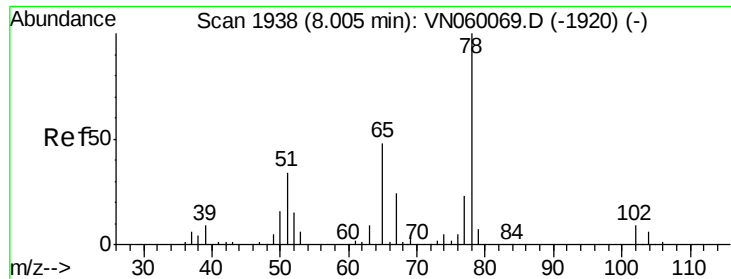
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	43.7	34.9	52.3



Abundance

Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 52.683 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 65 Resp: 134353

Ion Ratio Lower Upper

65 100

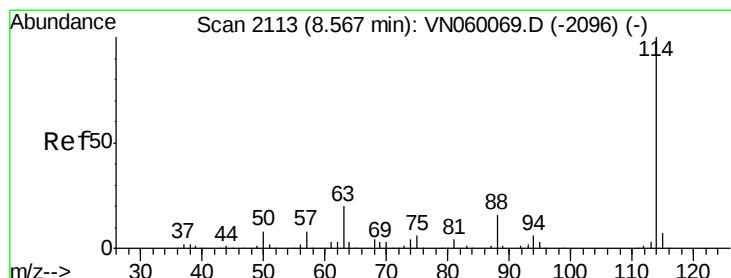
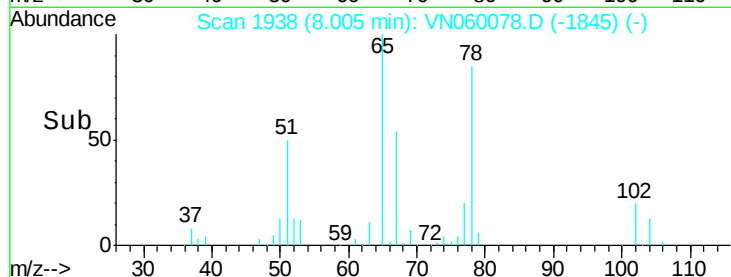
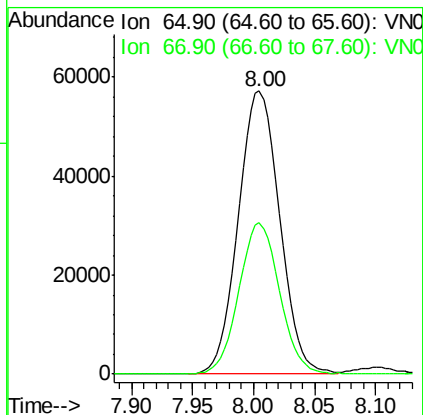
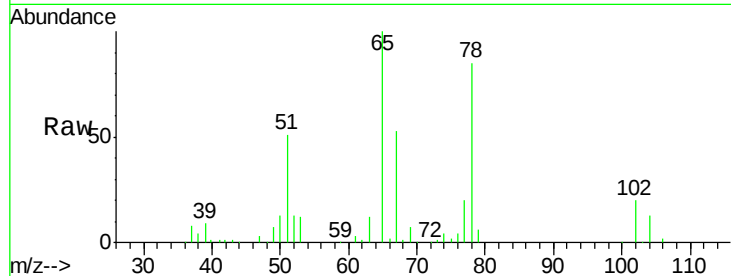
67 52.4 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

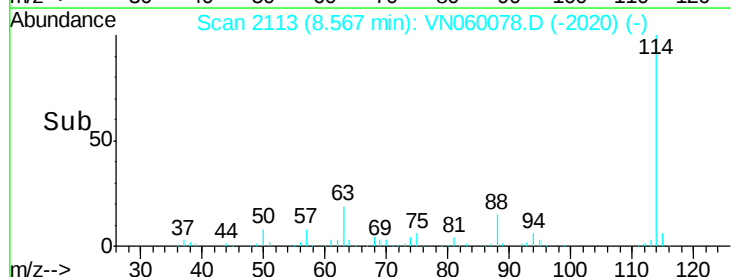
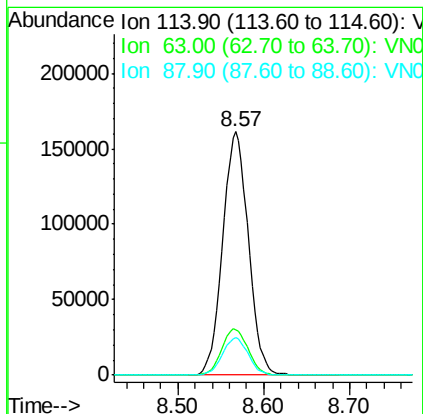
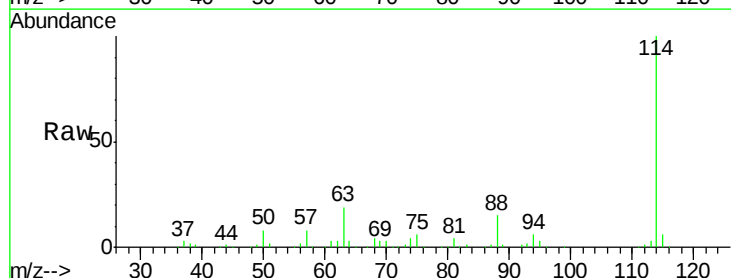
Tgt Ion: 114 Resp: 334840

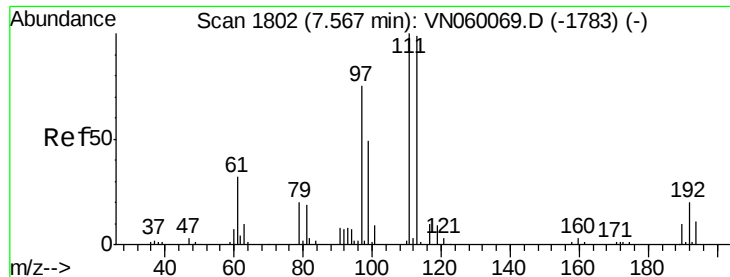
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.3 0.0 31.6





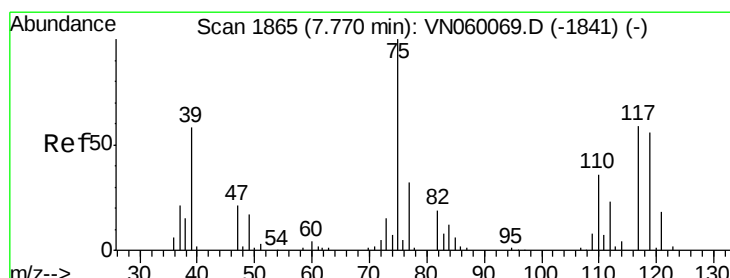
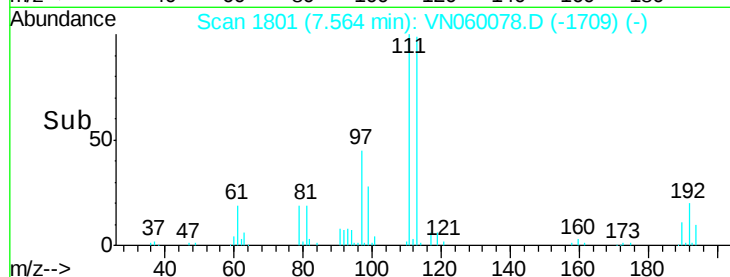
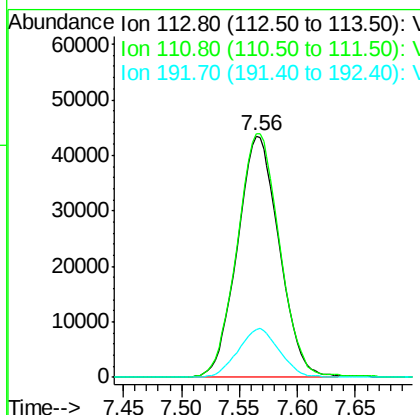
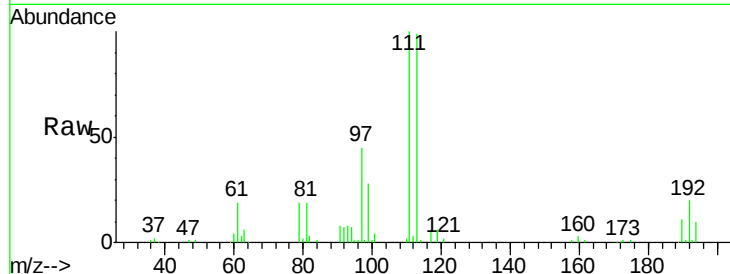
#35
 Dibromofluoromethane
 Concen: 52.900 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108883		
111	103.0	81.4	122.2	
192	19.9	16.2	24.2	

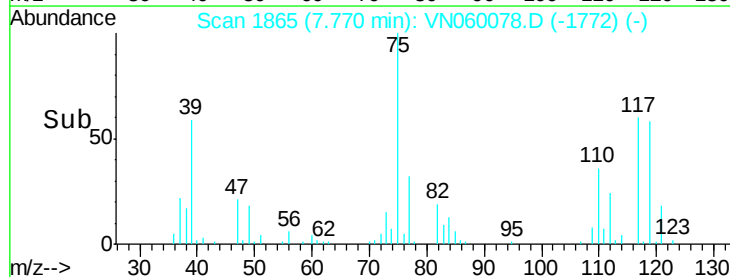
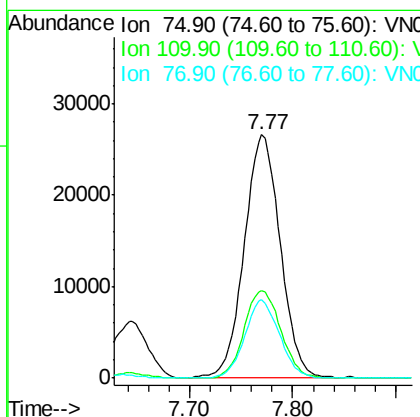
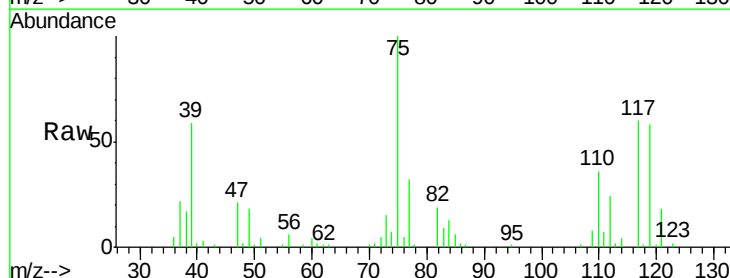
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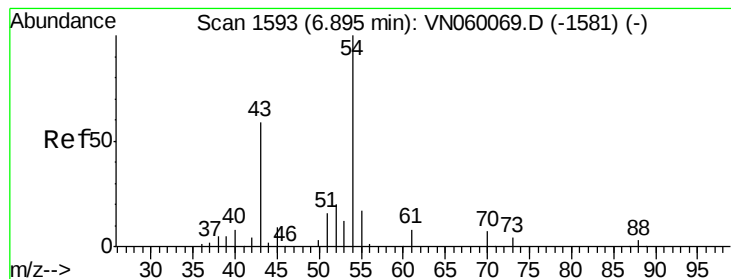
MMDadoda
 2/13/2020 10:37:40 AM



#36
 1,1-Dichloropropene
 Concen: 20.851 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64667		
110	36.4	18.1	54.3	
77	30.8	25.1	37.7	





#37

Ethyl Acetate

Concen: 21.235 ug/l

RT: 6.90 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

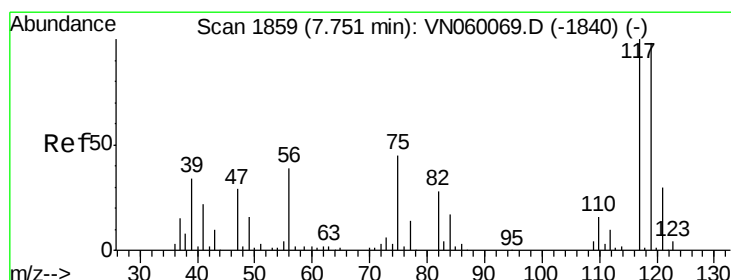
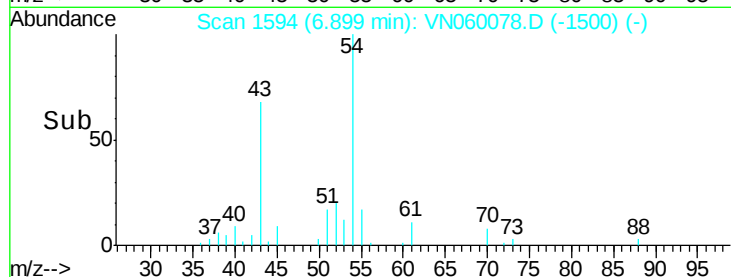
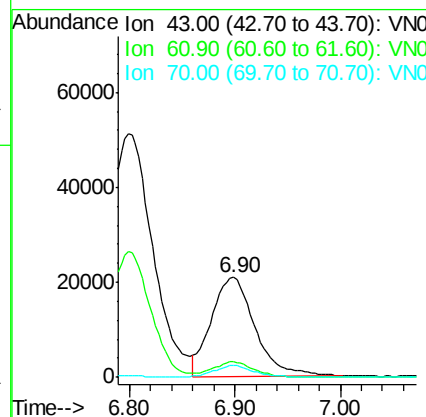
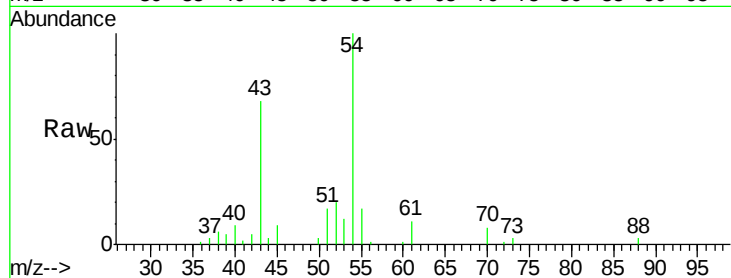
ClientSampleID :

VN0212MBSD01

Tot Ion:	43	Resp:	59522
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.4	17.2
70	11.0	8.7	13.1

Manual Integrations
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MMDadoda
2/13/2020 10:37:40 AM



#38

Carbon Tetrachloride

Concen: 20.918 ug/l

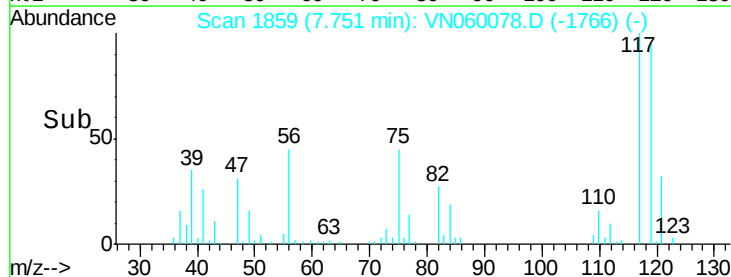
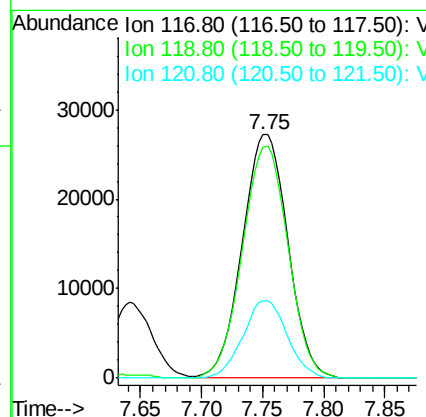
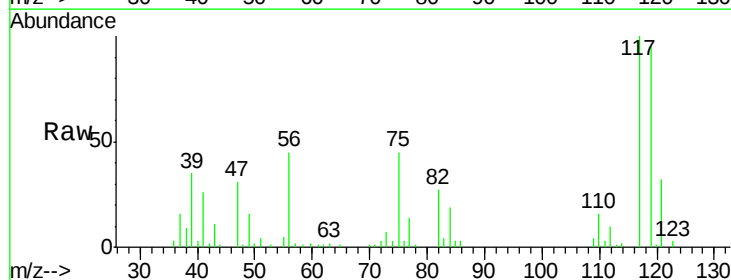
RT: 7.75 min Scan# 1859

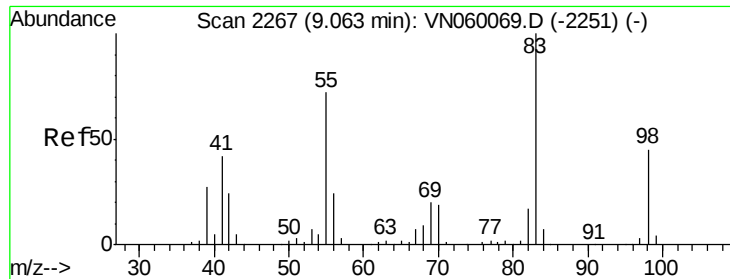
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	117	Resp:	70457
Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.2	117.4
121	31.8	24.2	36.2





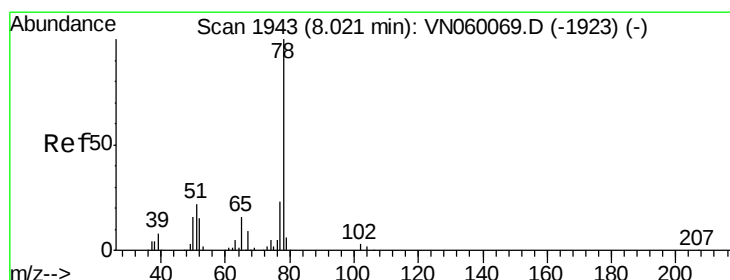
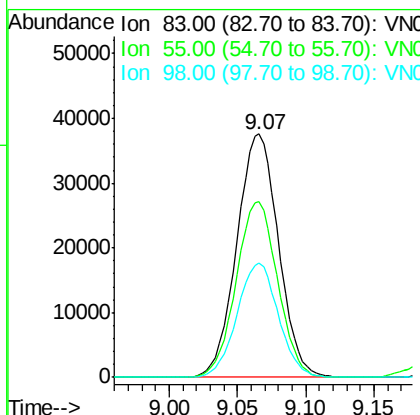
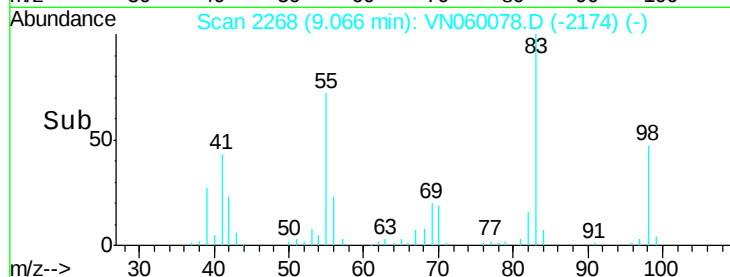
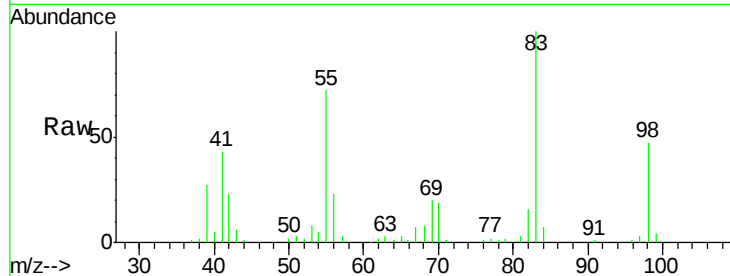
#39
Methvlcvclohexane
Concen: 20.737 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	57.8	86.8
98	47.0	36.4	54.6

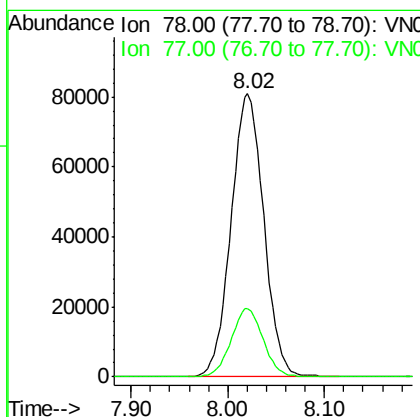
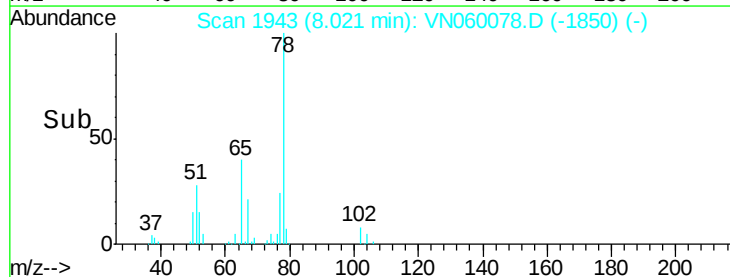
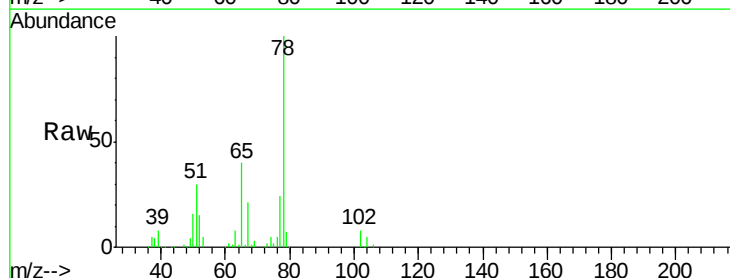
Manual Integrations
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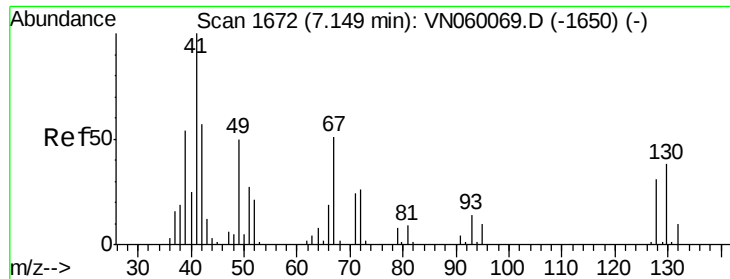
MMDadoda
2/13/2020 10:37:40 AM



#40
Benzene
Concen: 20.659 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





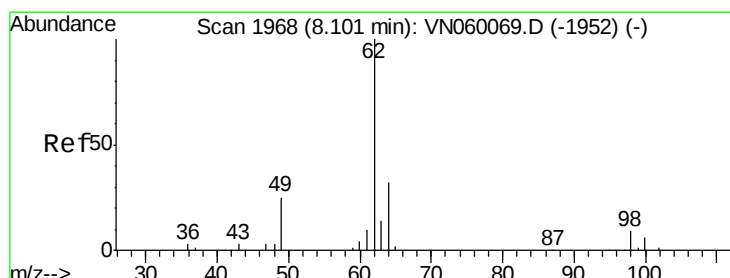
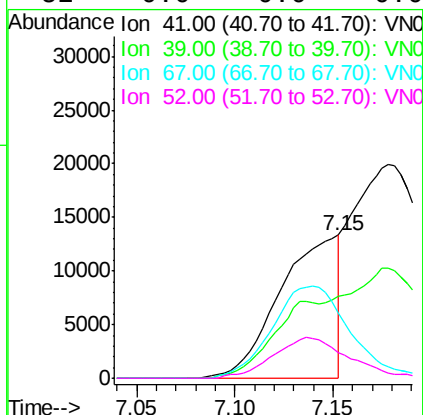
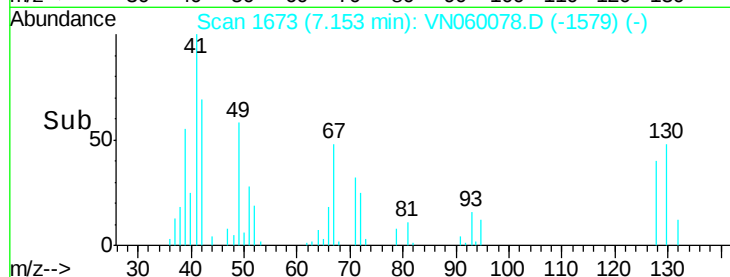
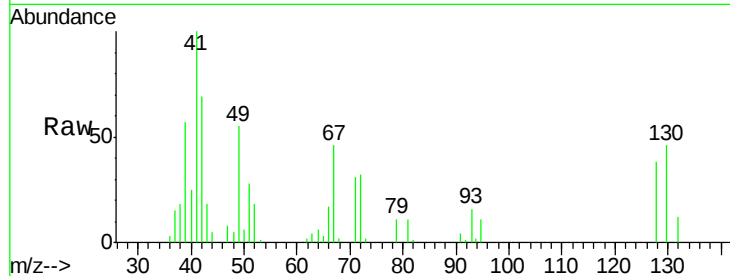
#41
Methacrylonitrile
Concen: 23.641 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	41	Resp	27790
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

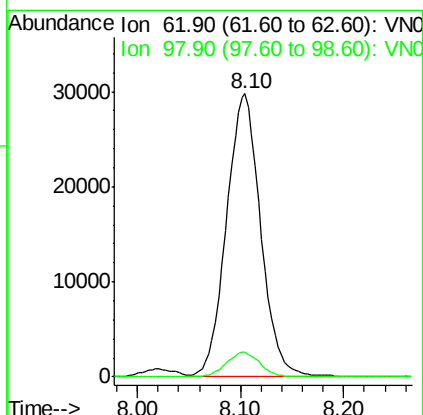
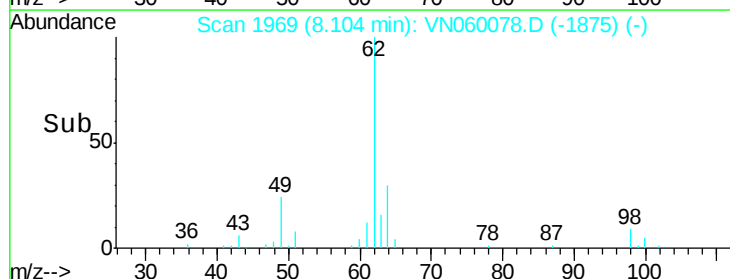
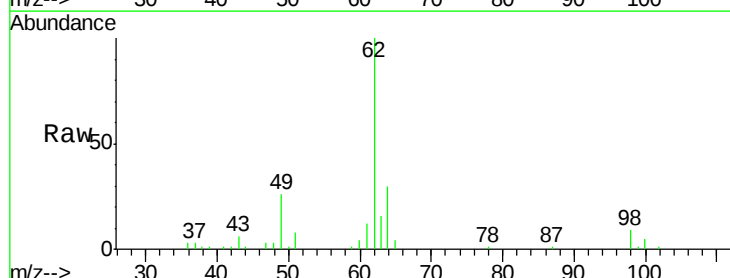
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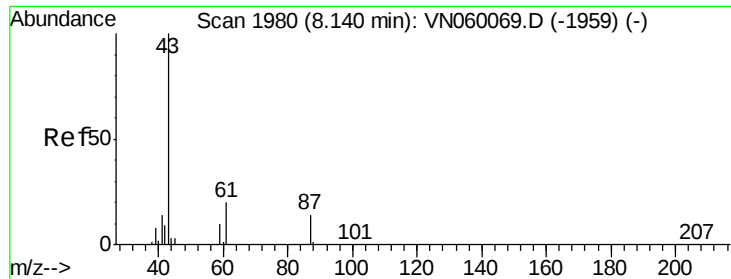
MMDadoda
2/13/2020 10:37:40 AM



#42
1,2-Dichloroethane
Concen: 21.347 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	62	Resp	68834
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





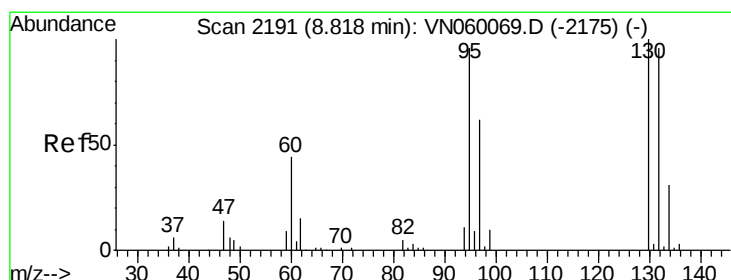
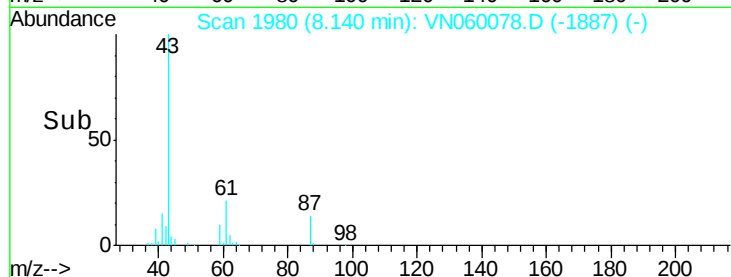
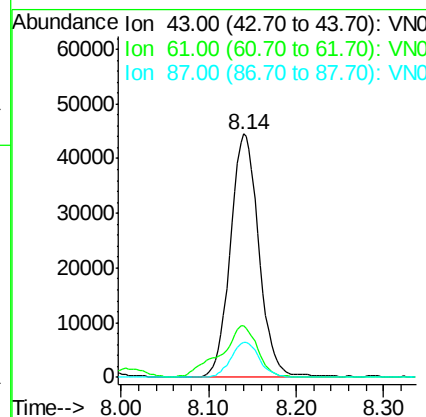
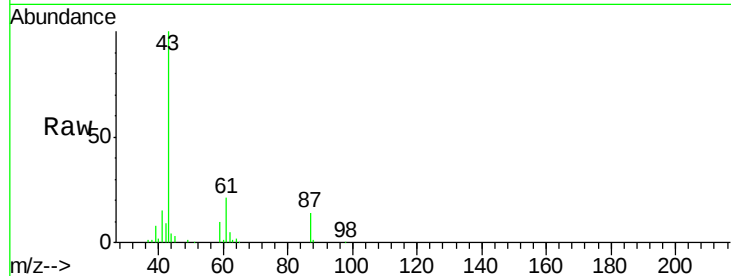
#43
Isopropyl Acetate
Concen: 21.048 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.8	32.6
87	14.3	11.4	17.2

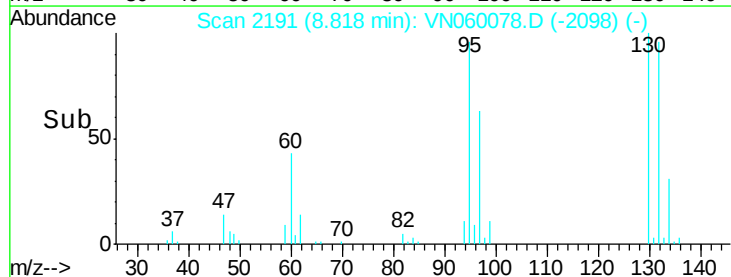
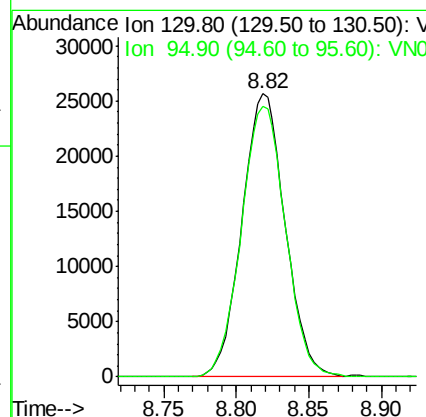
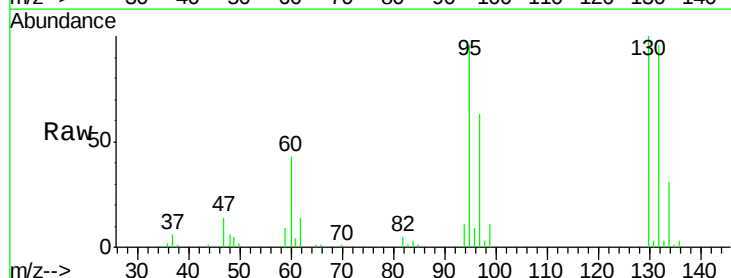
Manual Integrations
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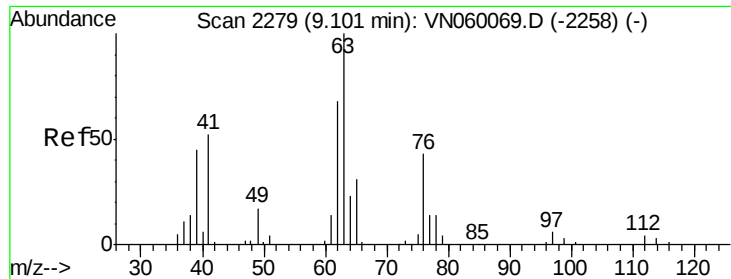
MMDadoda
2/13/2020 10:37:40 AM



#44
Trichloroethene
Concen: 20.818 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.4





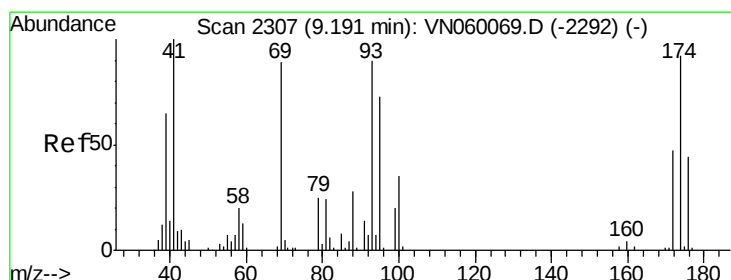
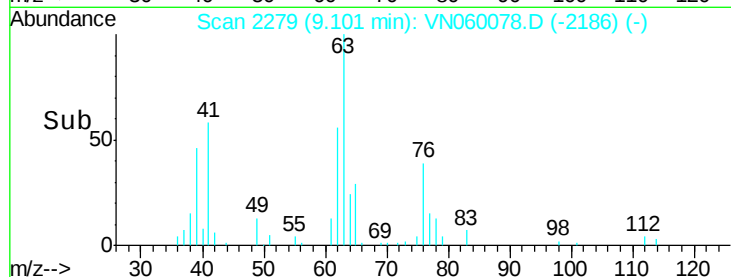
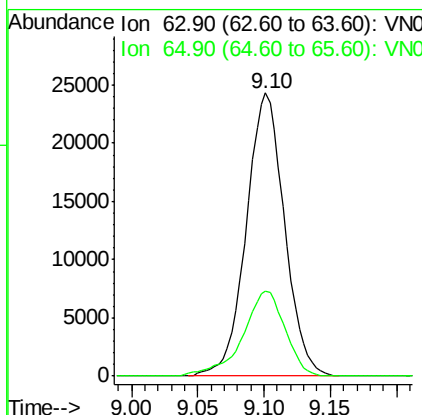
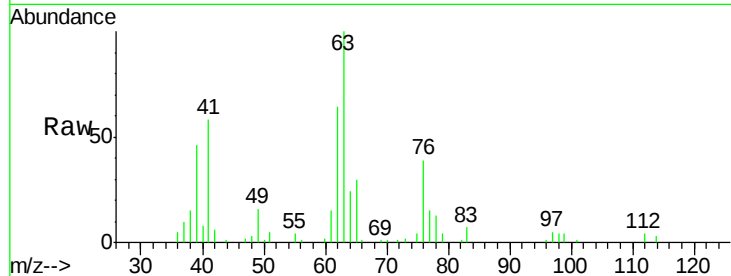
#45
 1,2-Dichloropropane
 Concen: 21.406 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion: 63 Resp: 48757
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

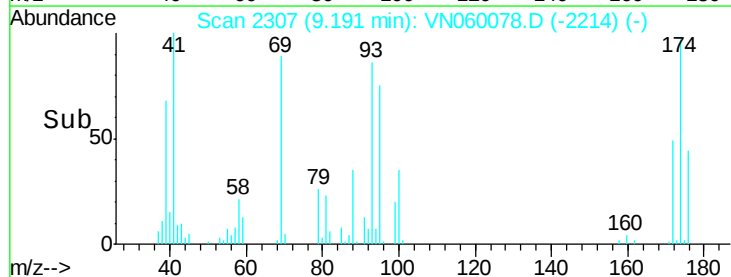
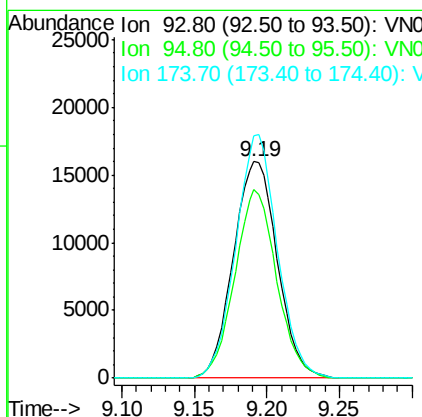
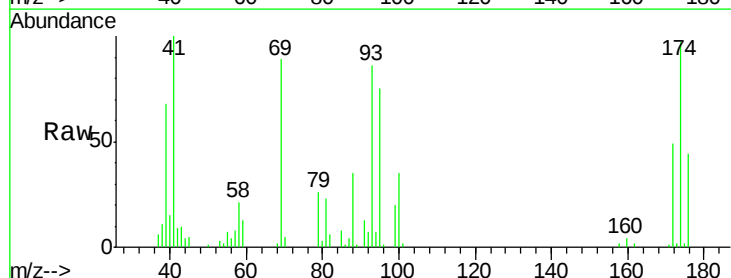
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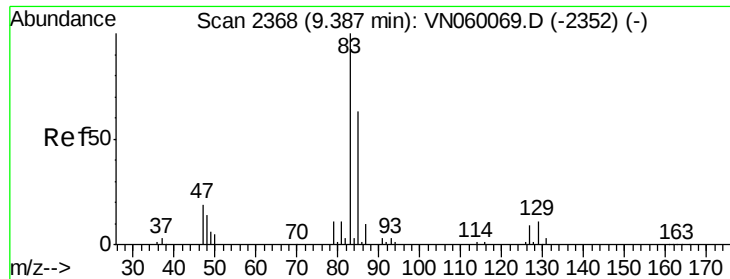
MMDadoda
 2/13/2020 10:37:40 AM



#46
 Dibromomethane
 Concen: 20.945 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion: 93 Resp: 33713
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 106.6 82.3 123.5





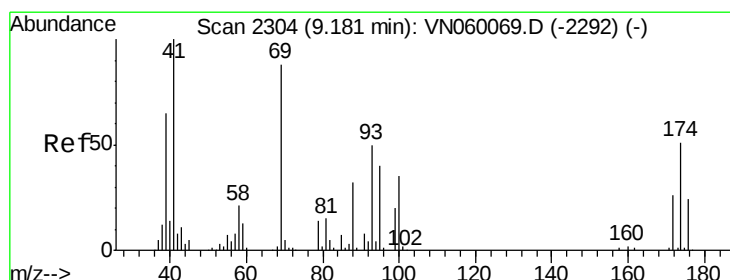
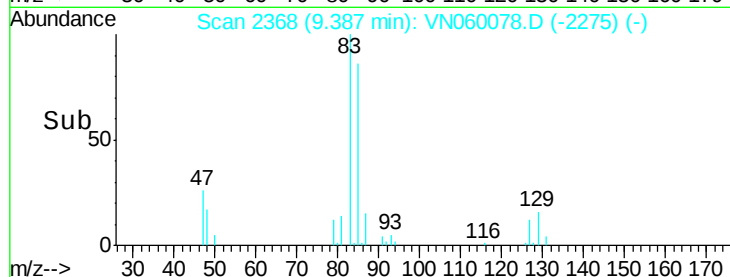
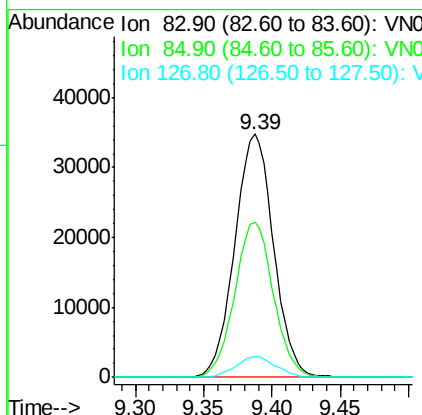
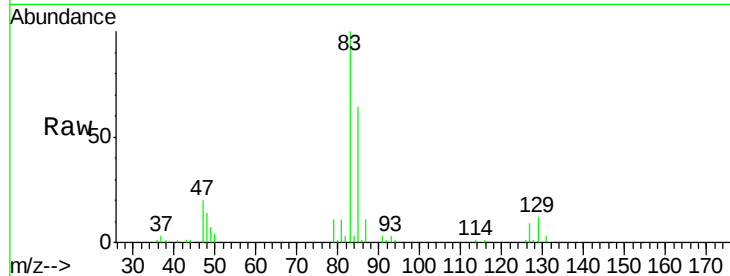
#47
Bromodichloromethane
Concen: 20.976 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	83	Resp	68641
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.6	75.8
127	8.7	7.0	10.6

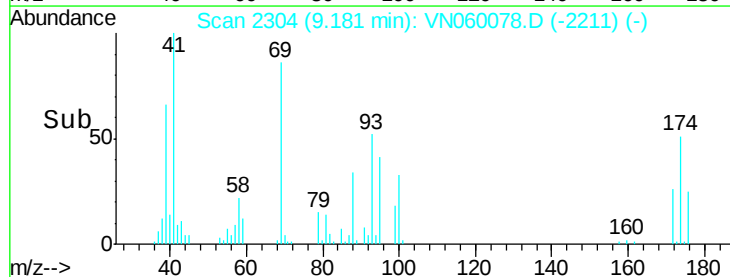
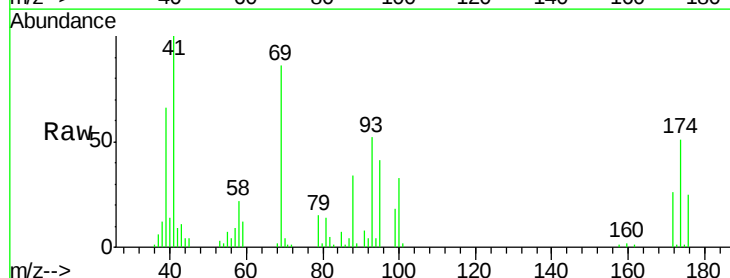
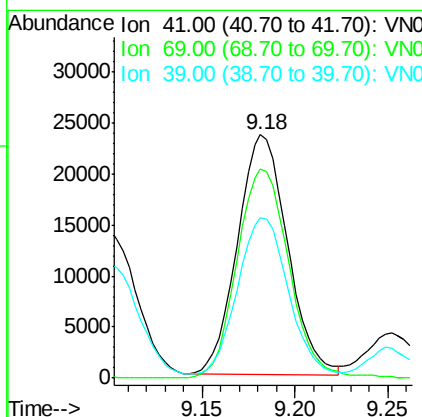
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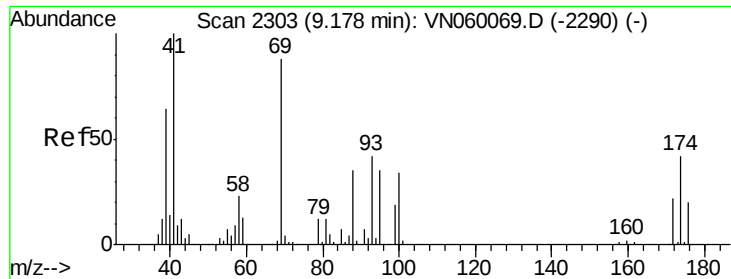
MMDadoda
2/13/2020 10:37:40 AM



#48
Methyl methacrylate
Concen: 20.423 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	41	Resp	43904
Ion Ratio	100	Lower	Upper
41	100		
69	91.0	72.0	108.0
39	66.2	54.1	81.1





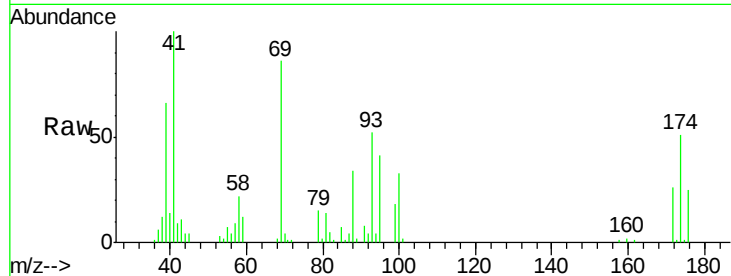
#49
1,4-Dioxane
Concen: 476.956 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	26.2	39.2
58	63.2	53.2	79.8

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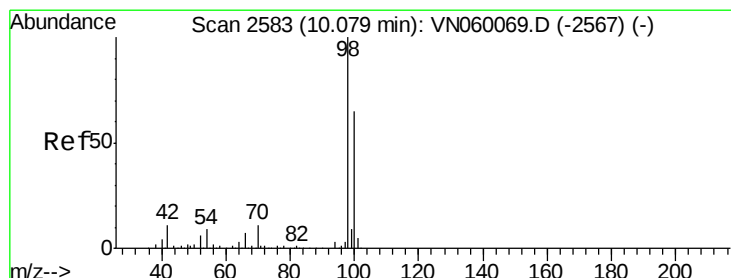
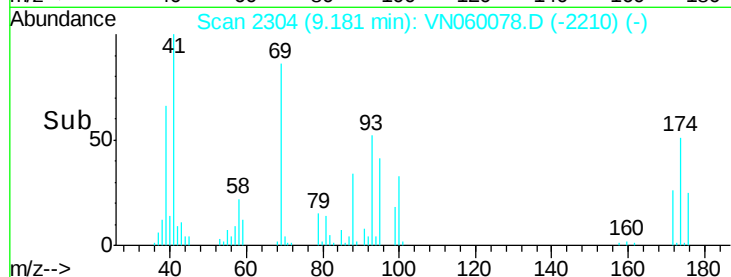
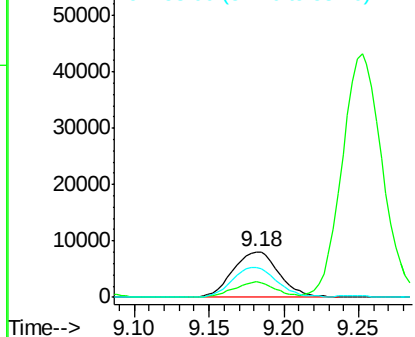


Abundance

Ion 88.00 (87.70 to 88.70): VN060069.D (-2290) (-)

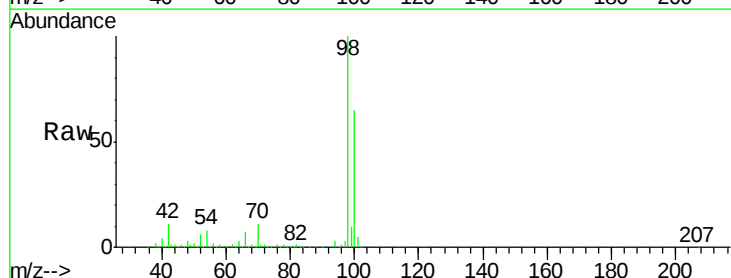
Ion 43.00 (42.70 to 43.70): VN060069.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2290) (-)



#50
Toluene-d8
Concen: 52.091 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

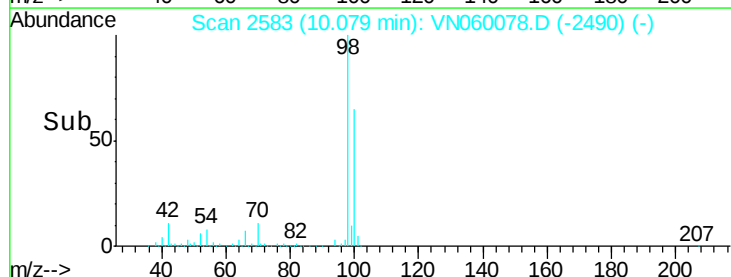
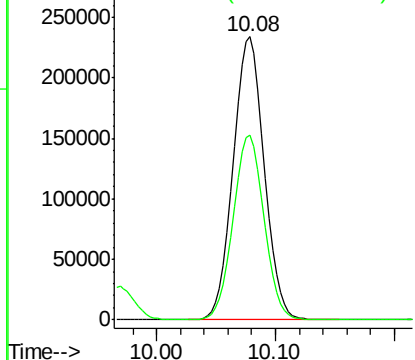
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5

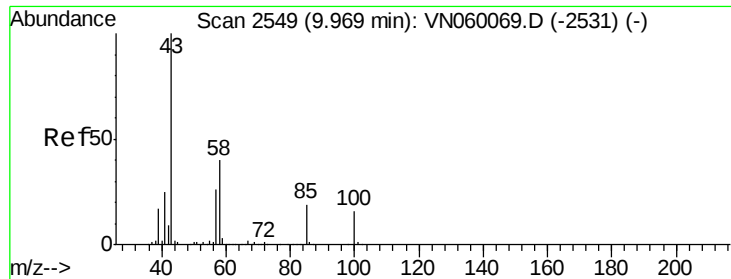


Abundance

Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)





#51

4-Methyl-2-Pentanone

Concen: 107.817 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

VN0212MBSD01

Tot Ion: 43 Resp: 299016

Ion Ratio Lower Upper

43 100

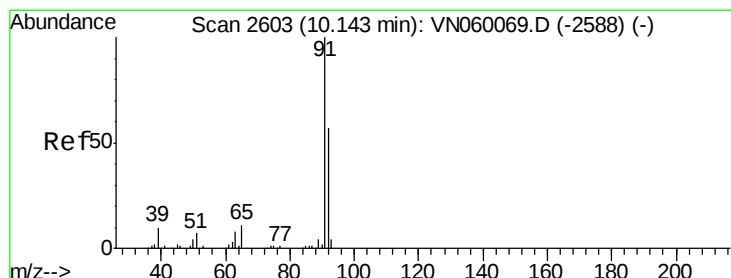
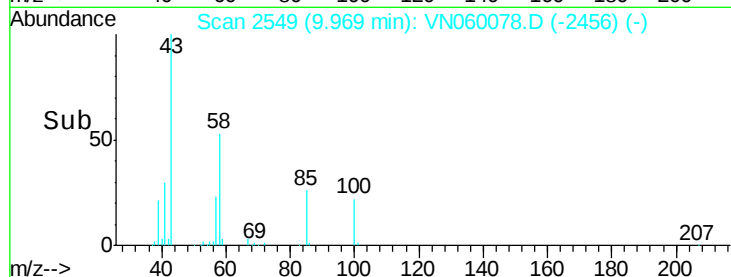
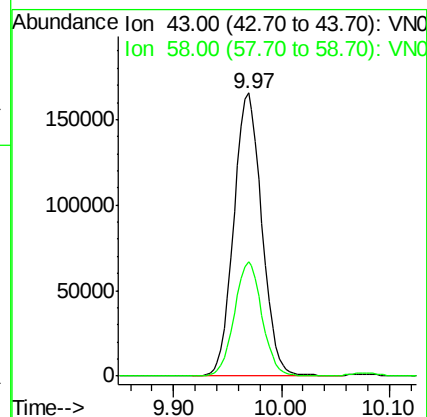
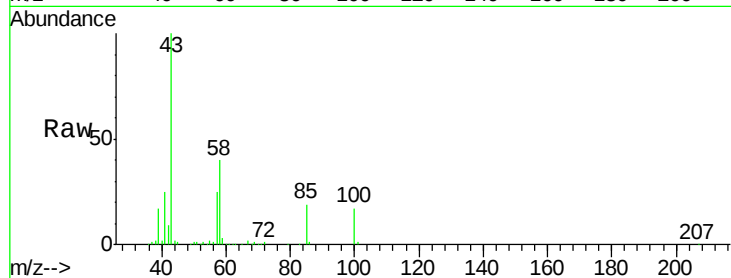
58 39.6 31.8 47.8

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#52

Toluene

Concen: 20.972 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060078.D

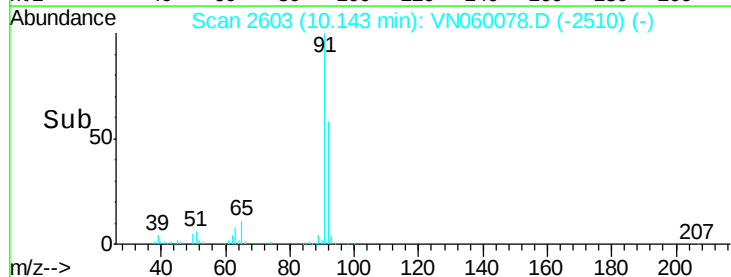
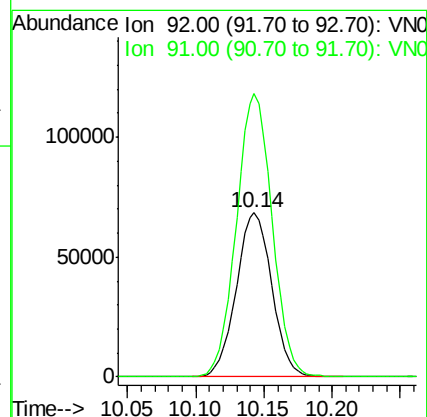
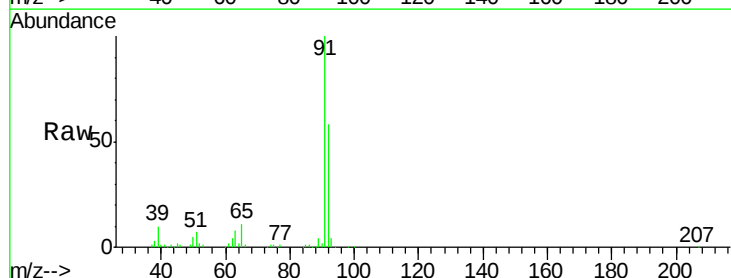
Acq: 12 Feb 2020 17:07

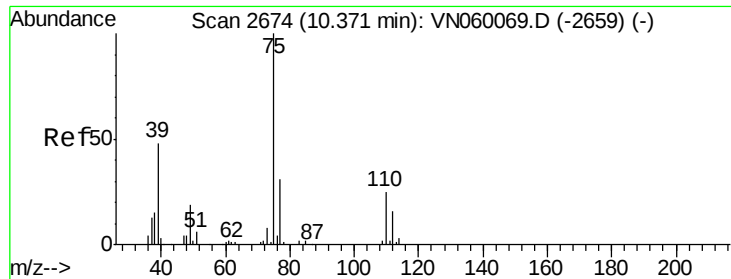
Tgt Ion: 92 Resp: 123729

Ion Ratio Lower Upper

92 100

91 173.8 140.9 211.3





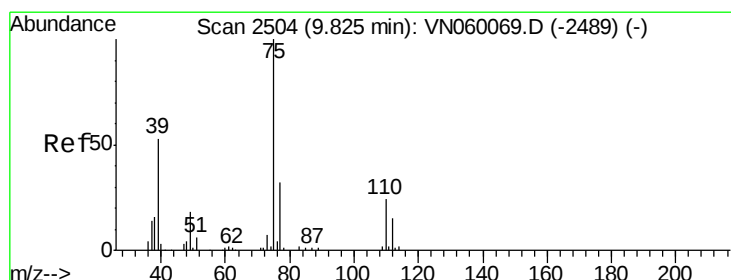
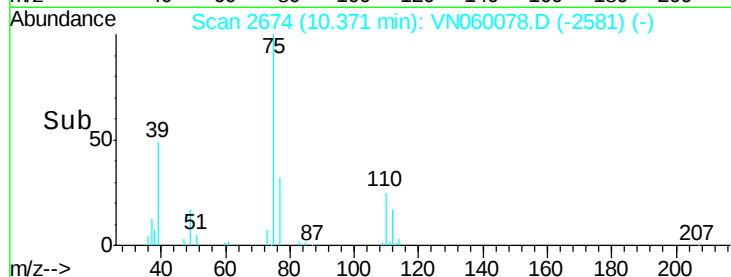
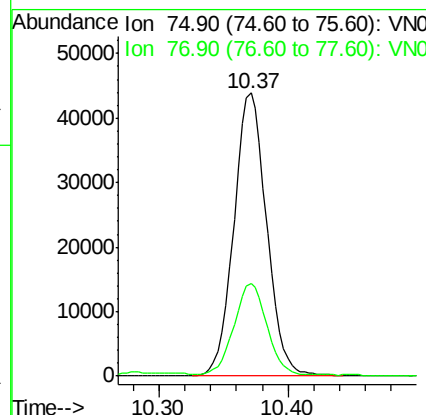
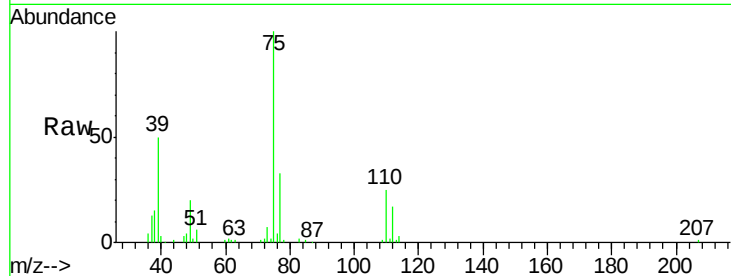
#53
t-1,3-Dichloropropene
Concen: 20.920 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion: 75 Resp: 77274
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0

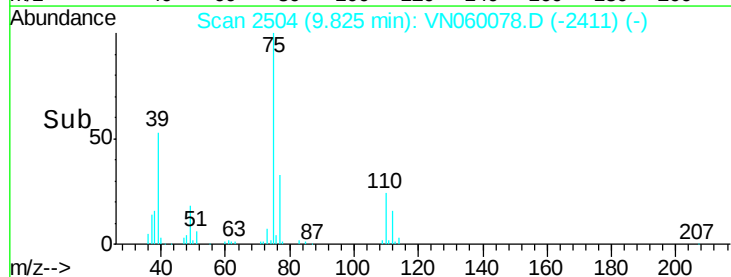
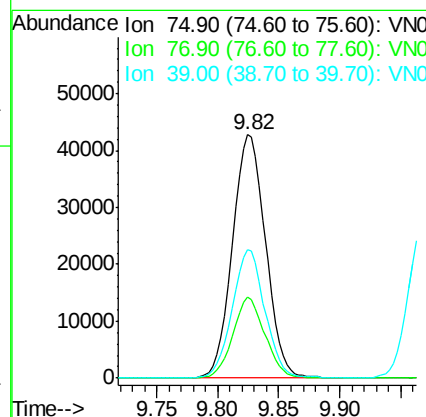
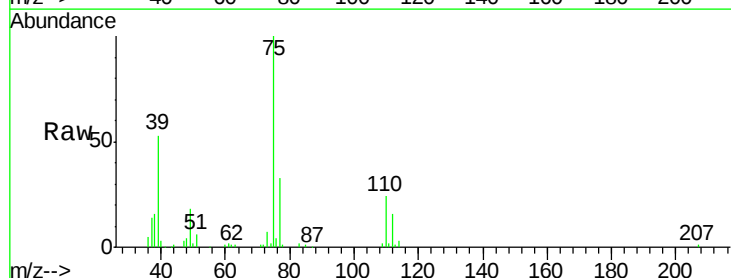
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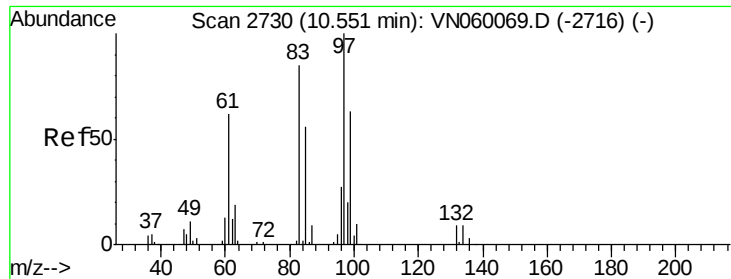
MMDadoda
2/13/2020 10:37:40 AM



#54
cis-1,3-Dichloropropene
Concen: 20.817 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion: 75 Resp: 80968
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4
39 52.8 42.2 63.4





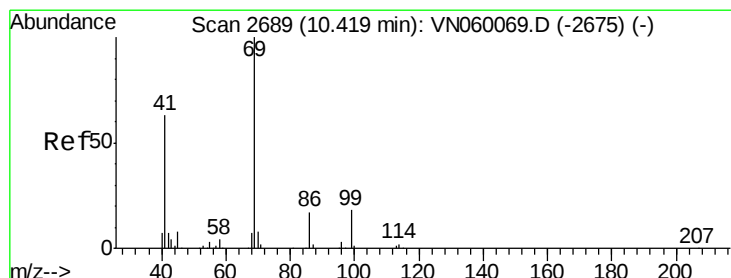
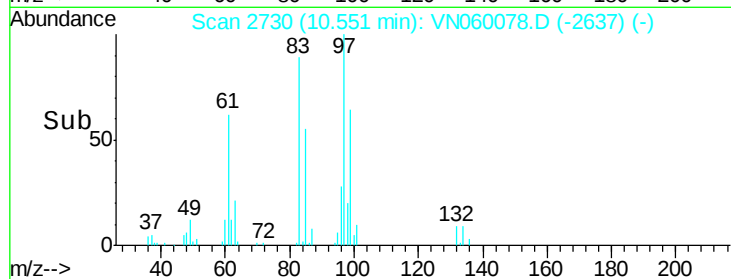
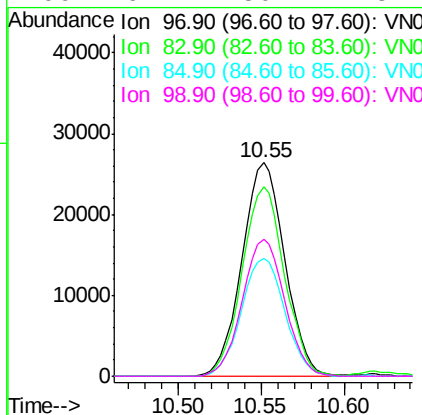
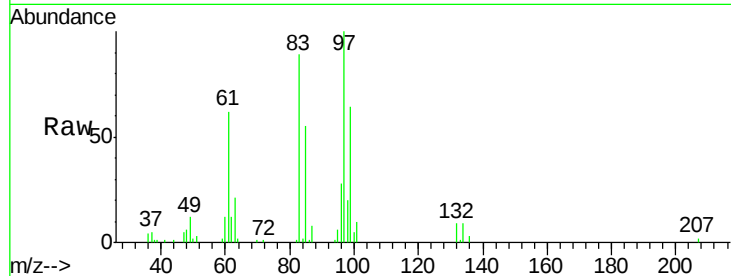
#55
 1,1,2-Trichloroethane
 Concen: 20.591 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion:	97	Resp:	47392
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.9	101.9
85	55.3	44.6	67.0
99	64.2	50.1	75.1

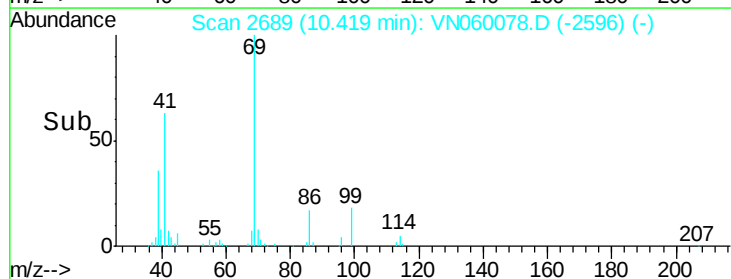
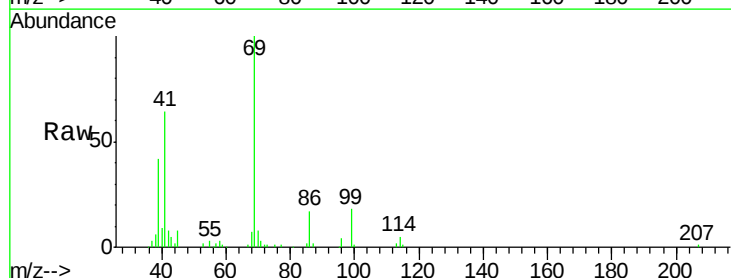
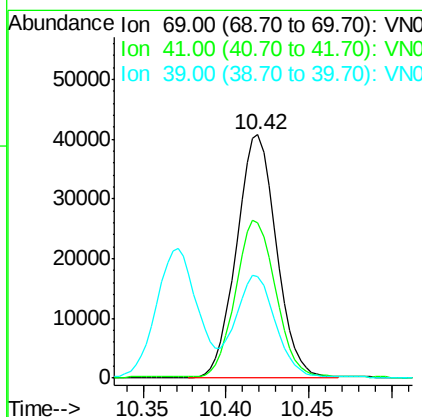
Manual Integrations
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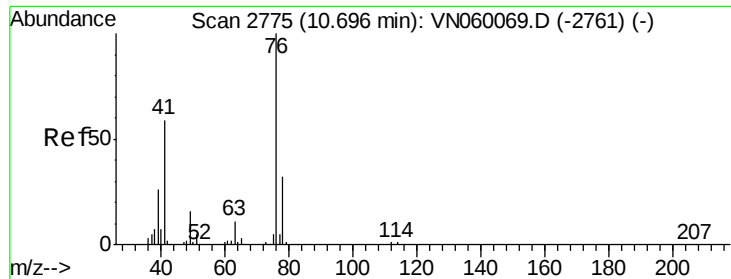
MMDadoda
 2/13/2020 10:37:40 AM



#56
 Ethyl methacrylate
 Concen: 21.047 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion:	69	Resp:	68528
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.1	76.7
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.730 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 76 Resp: 78727

Ion Ratio Lower Upper

76 100

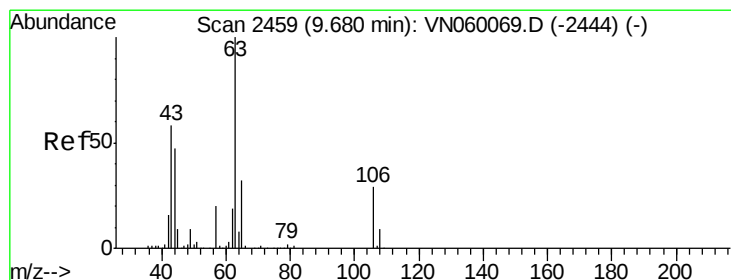
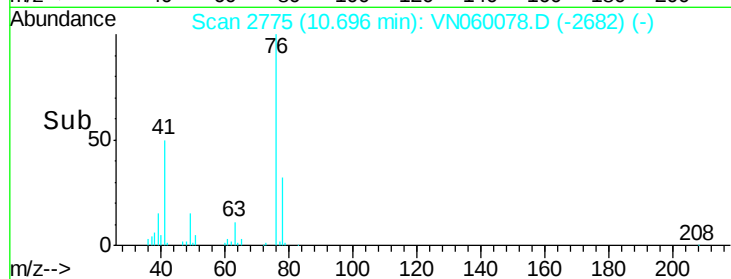
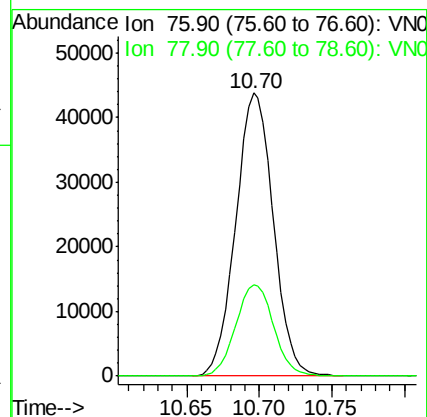
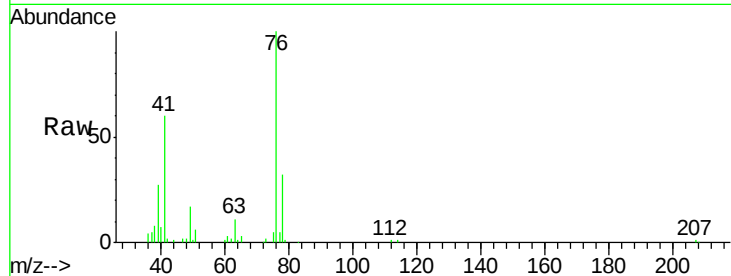
78 32.5 25.7 38.5

Manual Integrations

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MMDadoda

2/13/2020 10:37:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.089 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060078.D

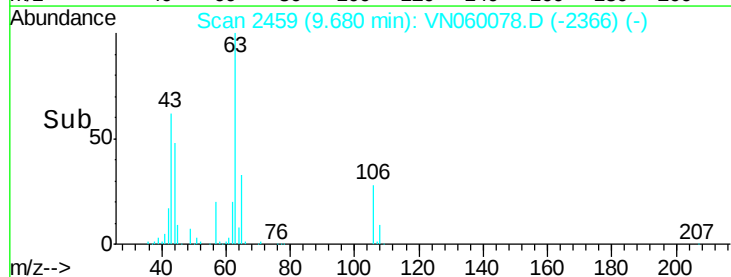
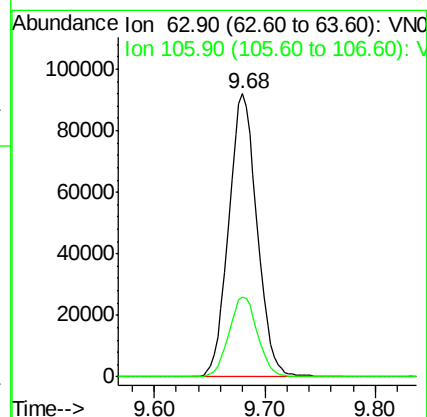
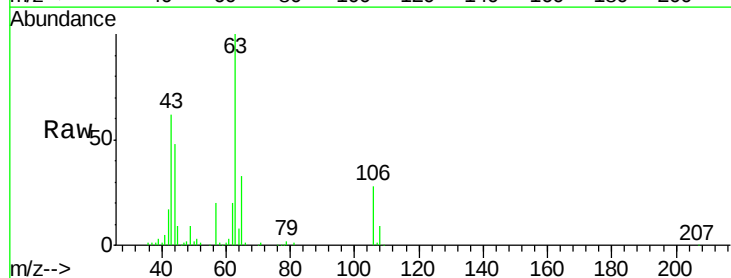
Acq: 12 Feb 2020 17:07

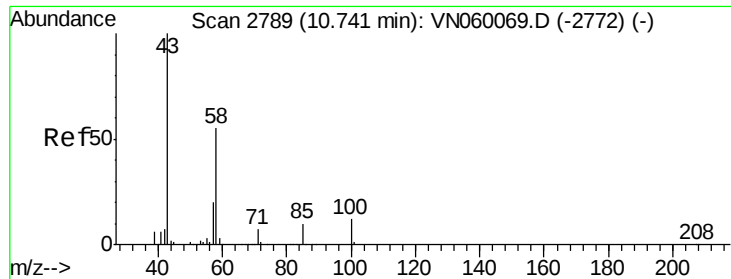
Tgt Ion: 63 Resp: 163952

Ion Ratio Lower Upper

63 100

106 28.6 22.9 34.3





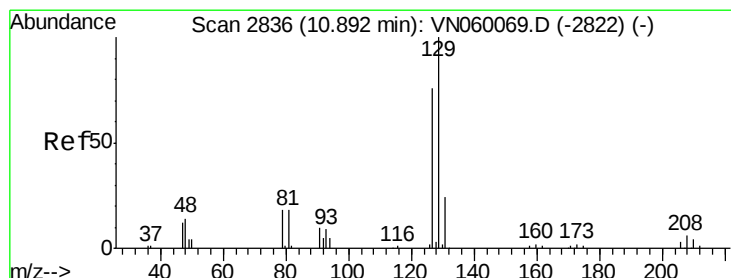
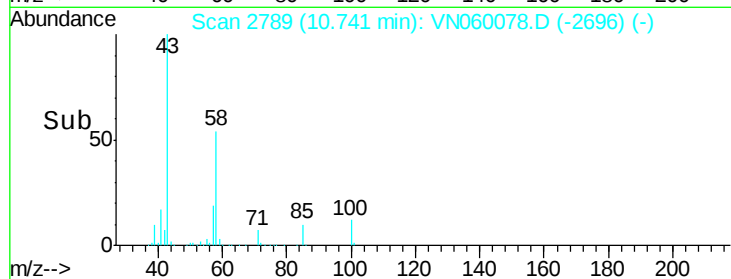
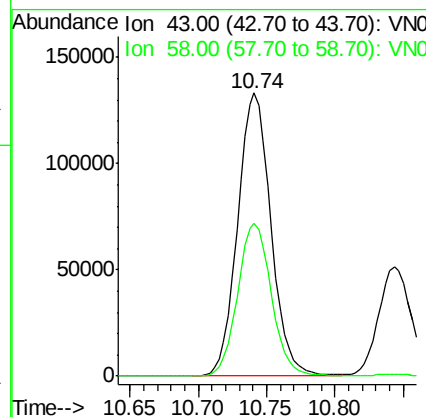
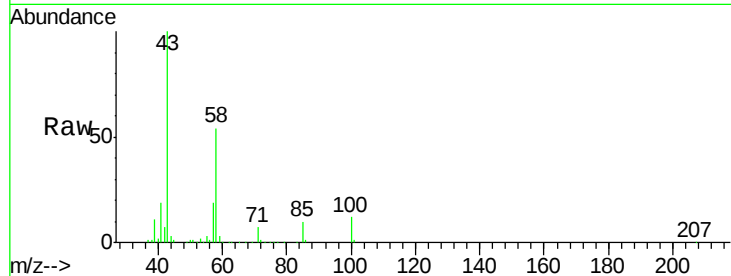
#59
2-Hexanone
Concen: 105.553 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	43	Resp	226132
Ion Ratio	100	Lower	Upper
43	100		
58	54.6	27.5	82.4

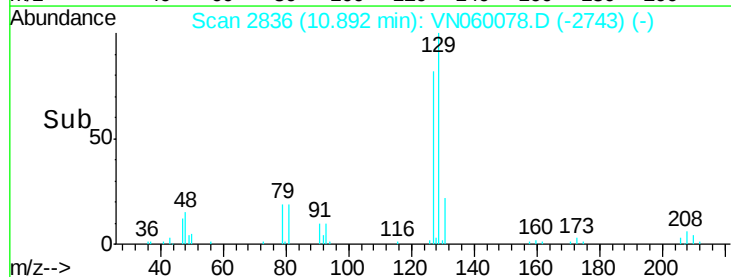
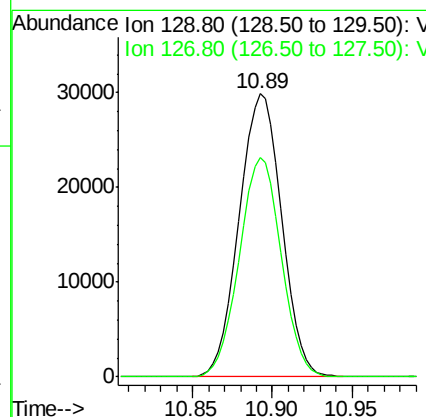
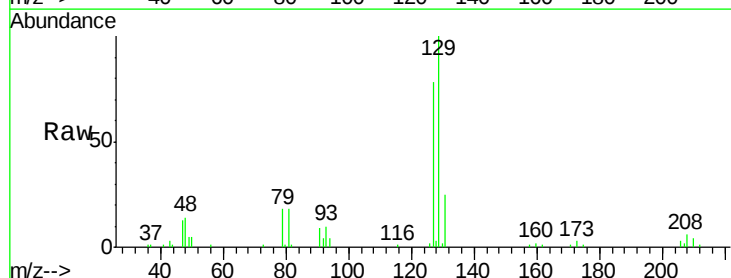
Manual Integrations
APPROVED

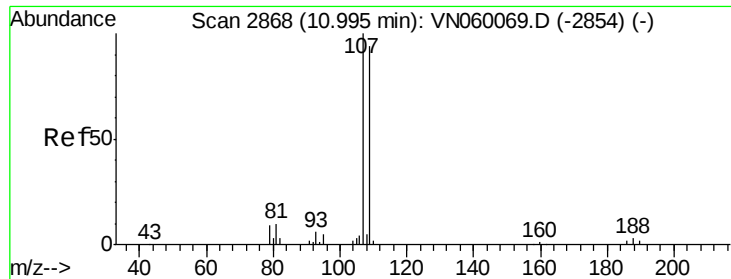
MMDadoda
2/13/2020 10:37:40 AM



#60
Dibromochloromethane
Concen: 20.532 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	129	Resp	54229
Ion Ratio	100	Lower	Upper
129	100		
127	76.2	38.0	114.1





#61

1,2-Dibromoethane

Concen: 20.794 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion:107 Resp: 50170

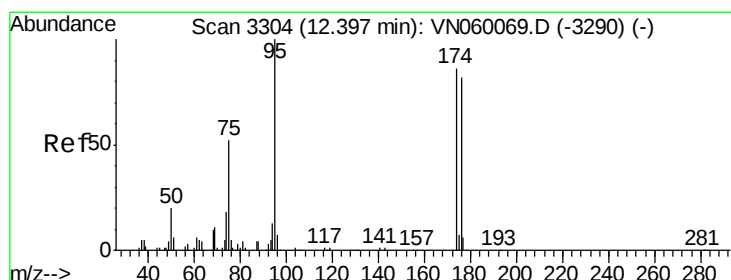
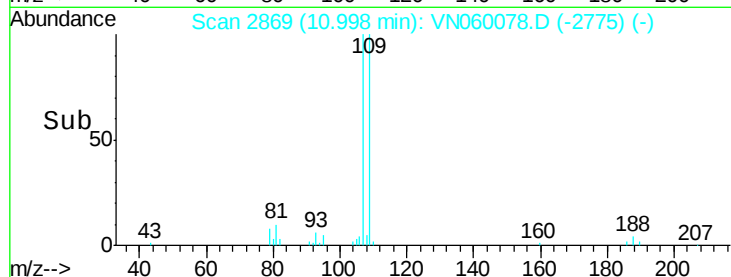
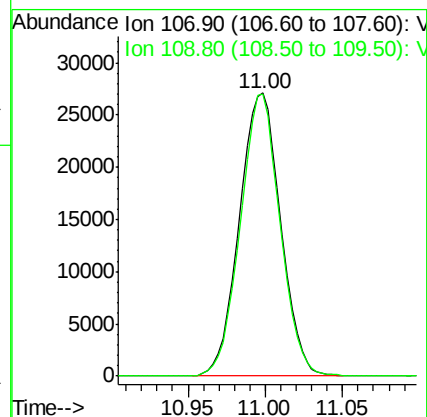
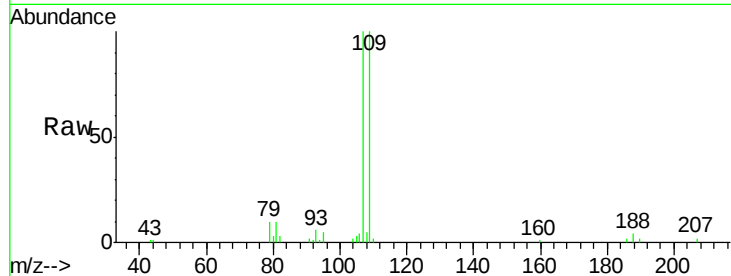
Ion Ratio Lower Upper

107 100

109 95.8 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#62

4-Bromofluorobenzene

Concen: 51.550 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

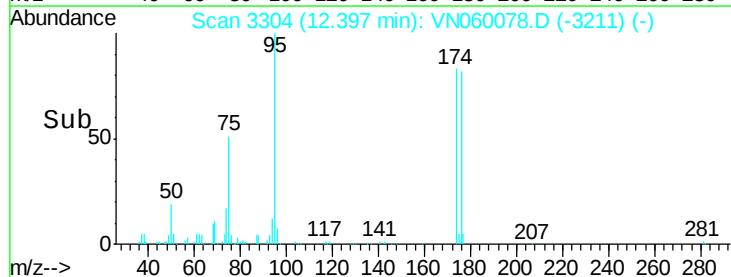
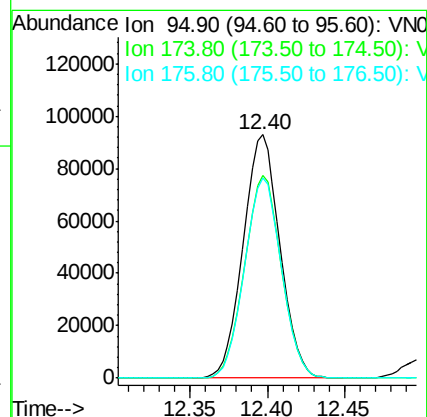
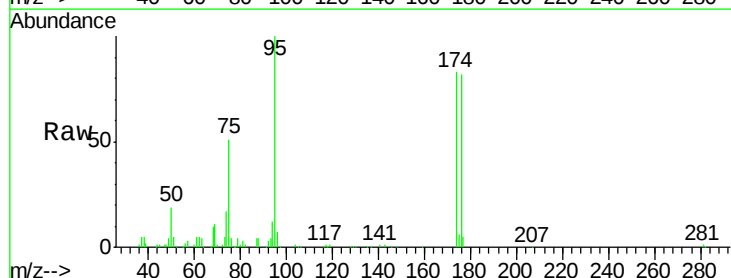
Tgt Ion: 95 Resp: 153533

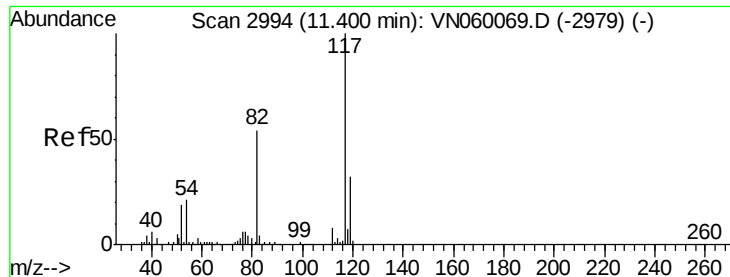
Ion Ratio Lower Upper

95 100

174 83.4 0.0 169.8

176 82.6 0.0 164.8





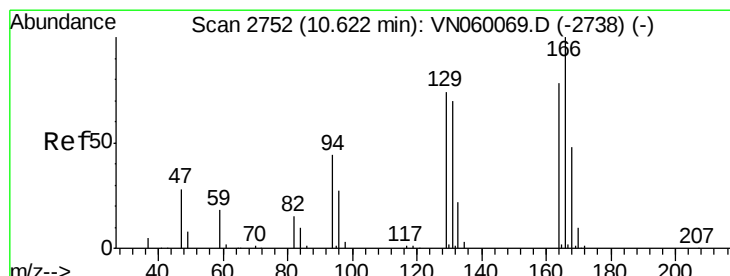
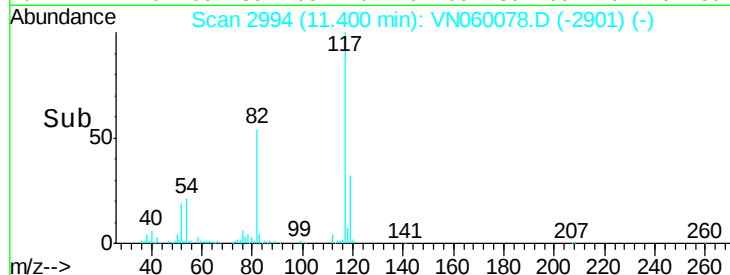
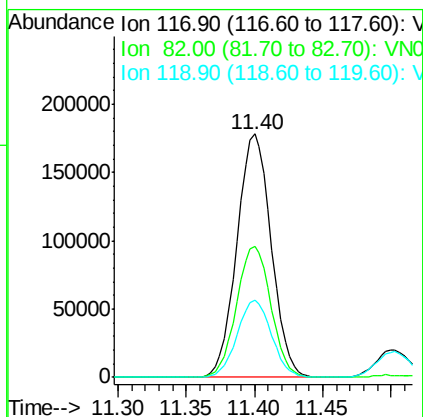
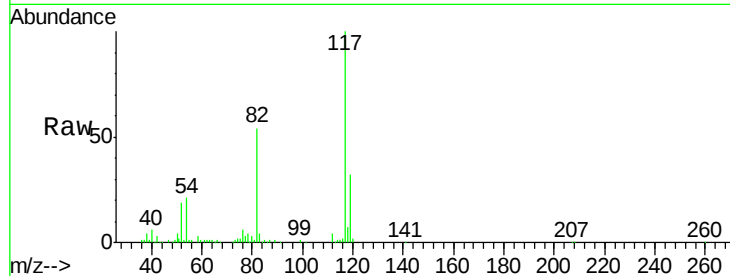
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.4	65.0
119	31.7	25.8	38.6

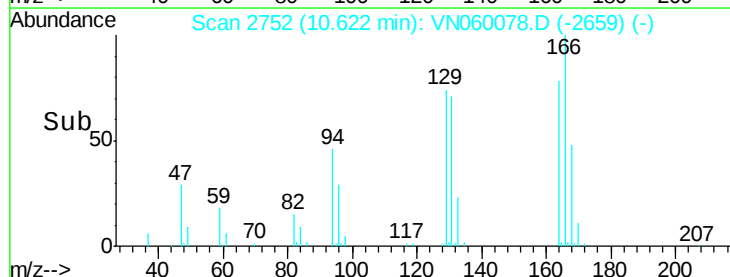
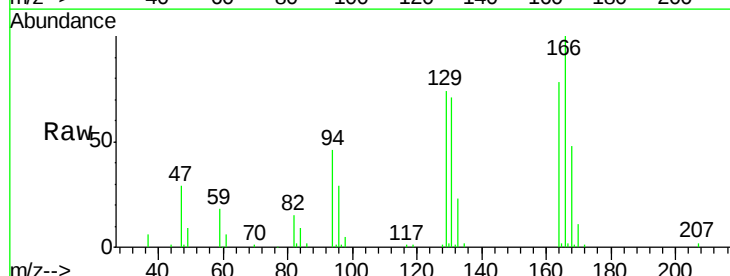
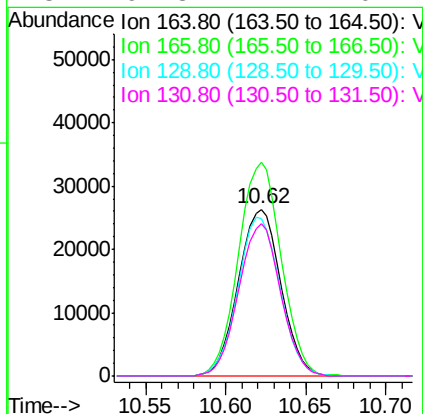
Manual Integrations
APPROVED

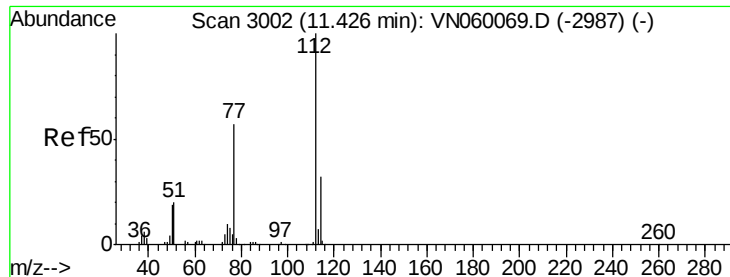
MMDadoda
2/13/2020 10:37:40 AM



#64
Tetrachloroethene
Concen: 20.185 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	95.0	75.4	113.0
131	91.3	71.4	107.2





#65

Chlorobenzene

Concen: 20.698 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion:112 Resp: 131270

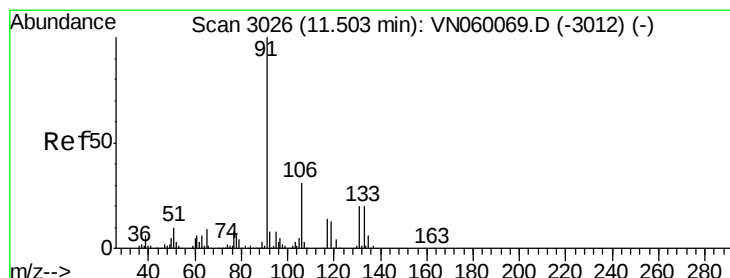
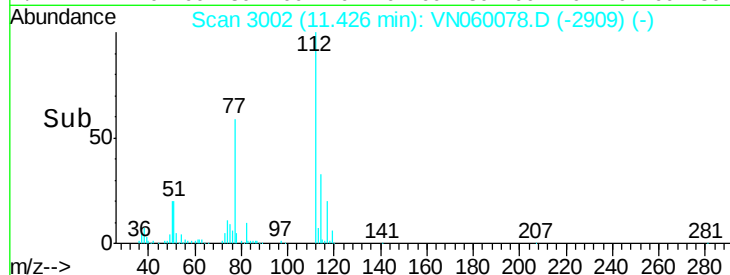
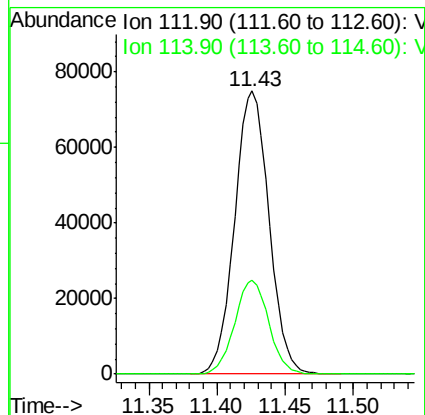
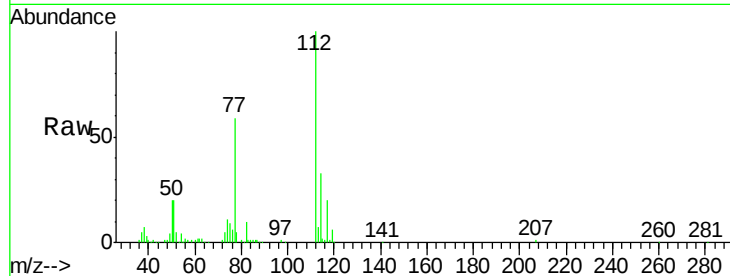
Ion Ratio Lower Upper

112 100

114 33.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.338 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

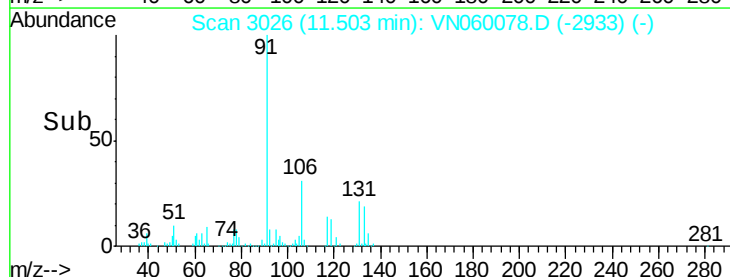
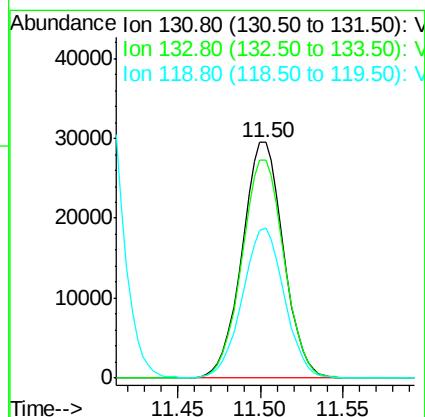
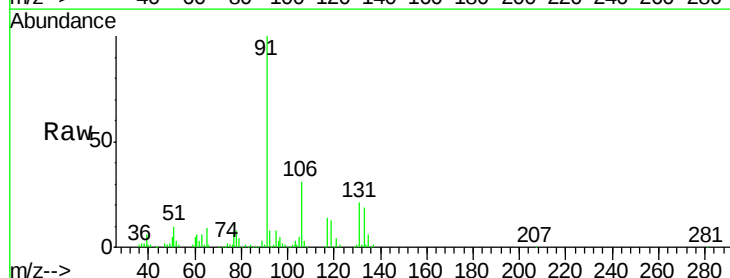
Tgt Ion:131 Resp: 51194

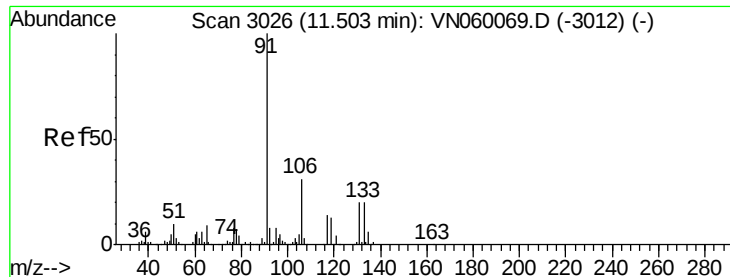
Ion Ratio Lower Upper

131 100

133 94.6 47.9 143.7

119 64.2 32.6 97.7





#67

Ethyl Benzene

Concen: 20.906 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 91 Resp: 239131

Ion Ratio Lower Upper

91 100

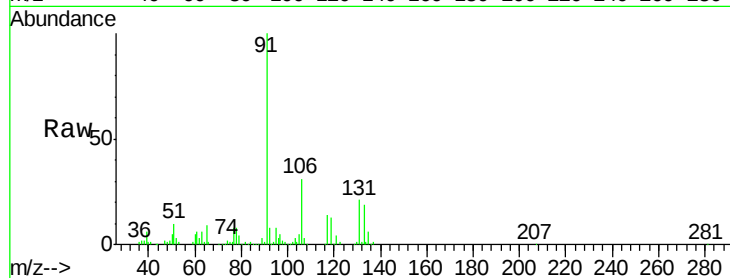
106 31.2 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN060069.D (-3012) (-)

11.50

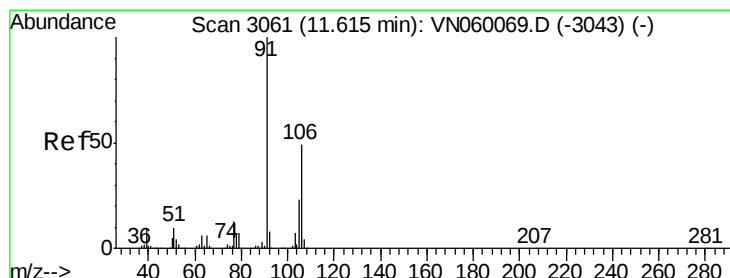
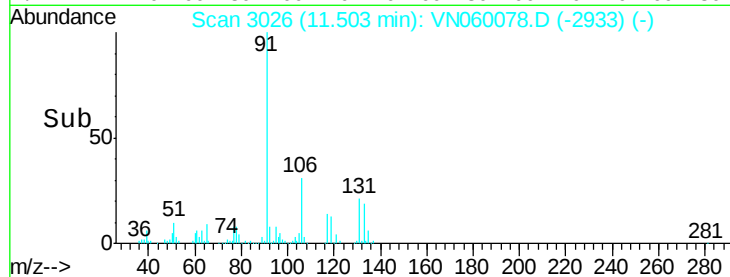
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 41.723 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060078.D

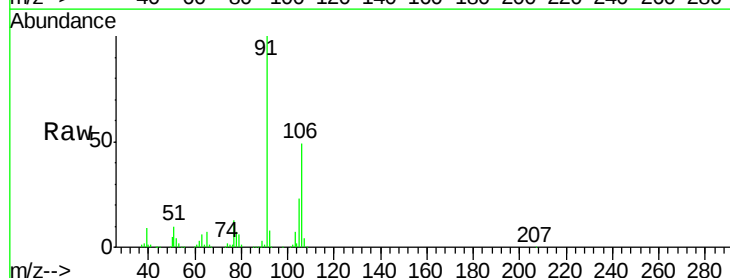
Acq: 12 Feb 2020 17:07

Tgt Ion: 106 Resp: 179120

Ion Ratio Lower Upper

106 100

91 203.6 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-3043) (-)

11.62

200000

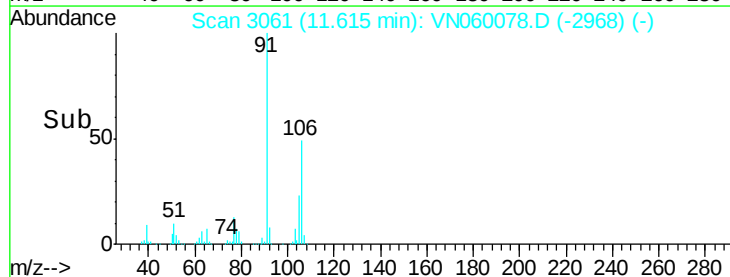
150000

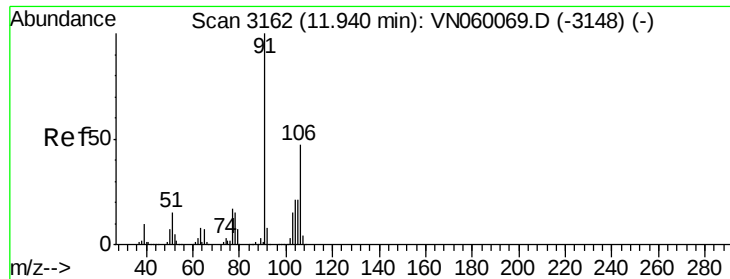
100000

50000

0

Time-->





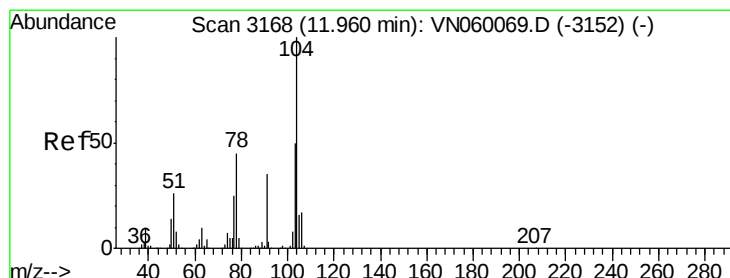
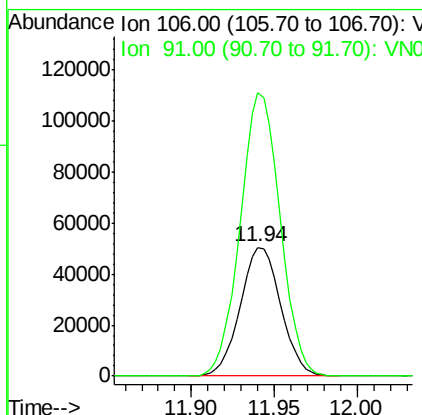
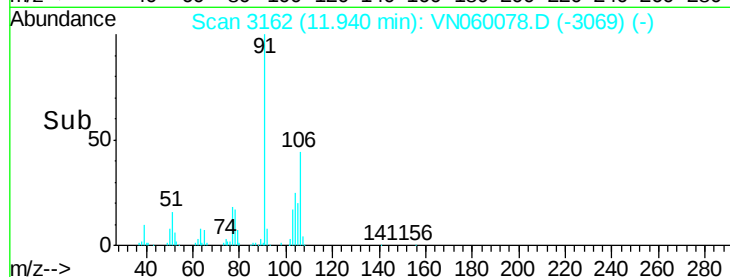
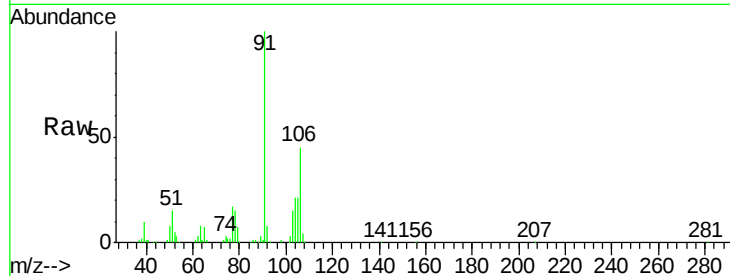
#69
o-Xylene
Concen: 20.760 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion:106 Resp: 85814
Ion Ratio Lower Upper
106 100
91 216.6 107.2 321.6

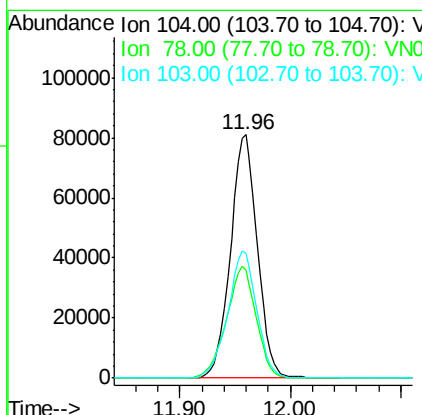
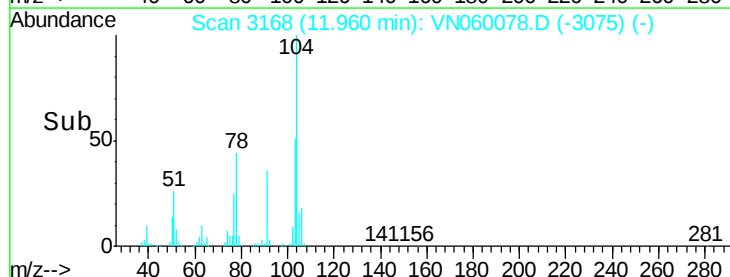
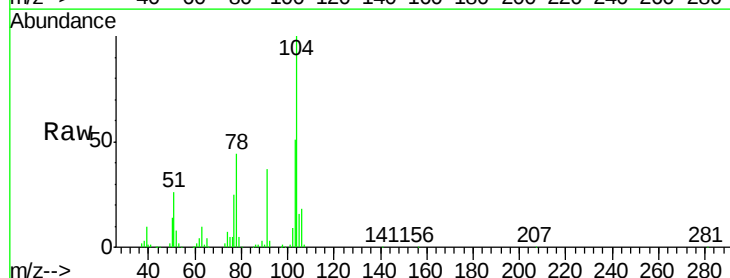
Manual Integrations
APPROVED

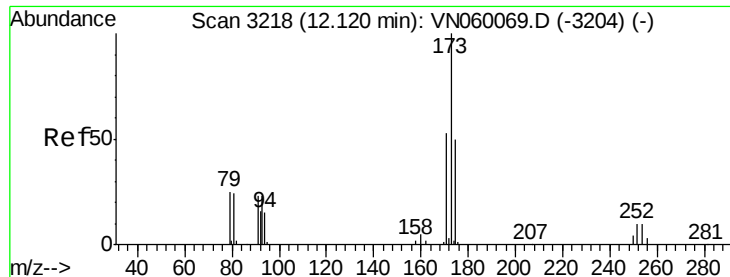
MMDadoda
2/13/2020 10:37:40 AM



#70
Styrene
Concen: 20.586 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion:104 Resp: 137218
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.2
103 56.2 44.3 66.5





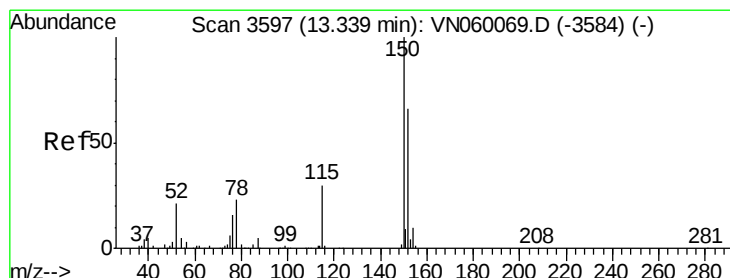
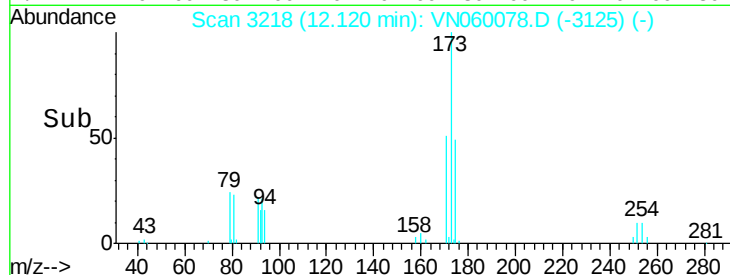
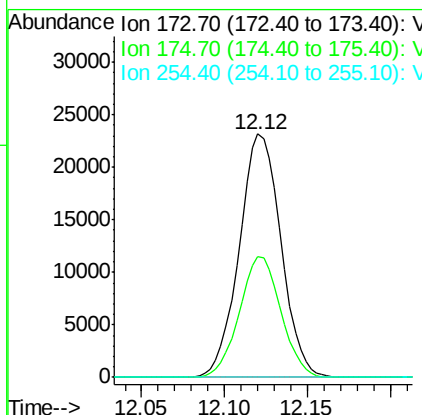
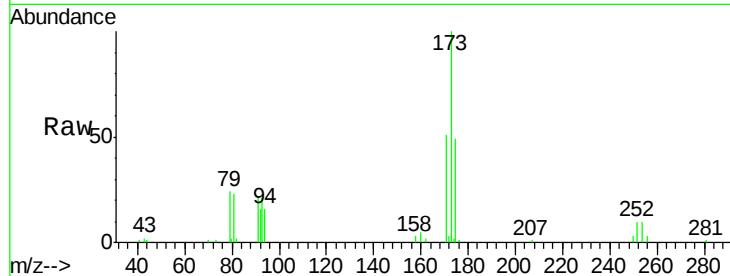
#71
Bromoform
Concen: 20.991 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.6
254	0.0	0.0	0.0

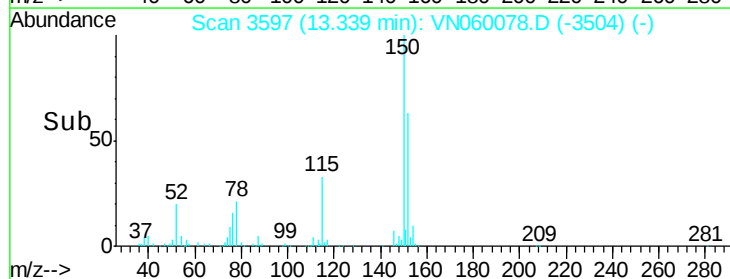
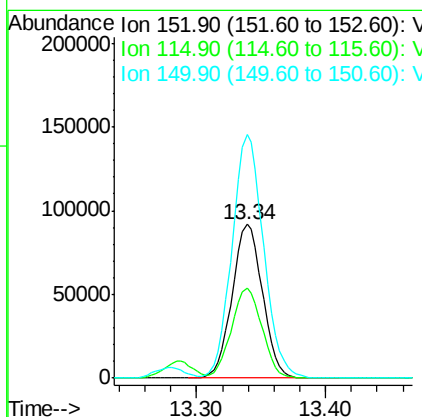
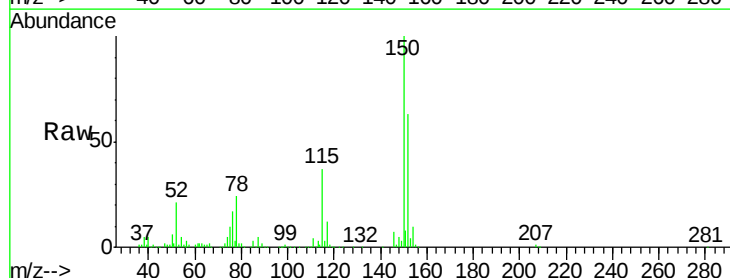
Manual Integrations
APPROVED

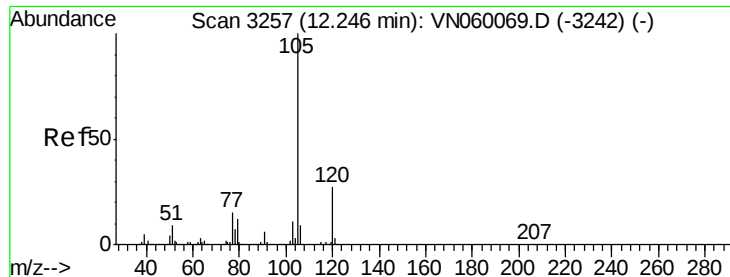
MMDadoda
2/13/2020 10:37:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.8
150	164.5	0.0	342.4





#73

Isopropylbenzene

Concen: 20.976 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

VN0212MBSD01

Tot Ion: 105 Resp: 235803

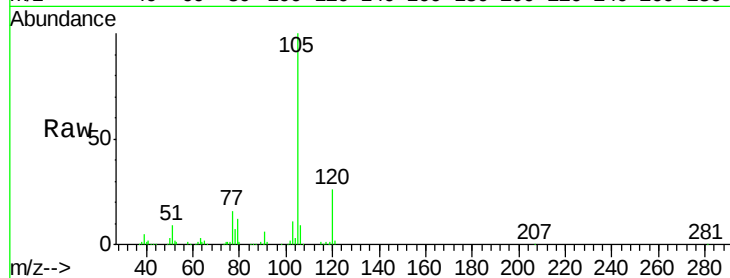
Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

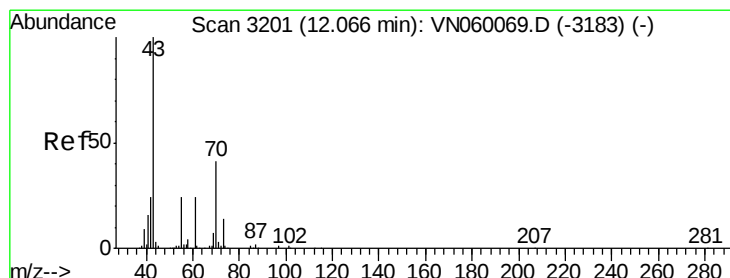
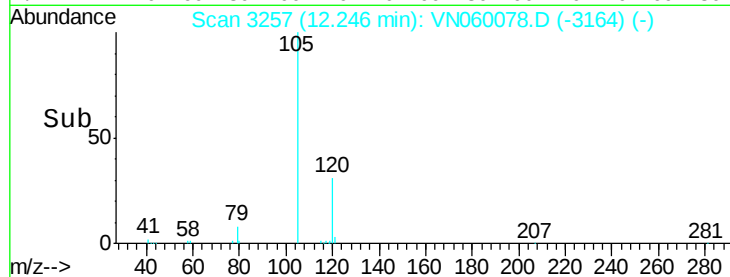
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.391 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion: 43 Resp: 86711

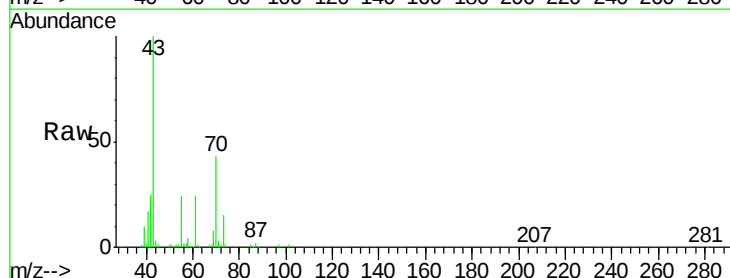
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.7 18.8 28.2

61 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

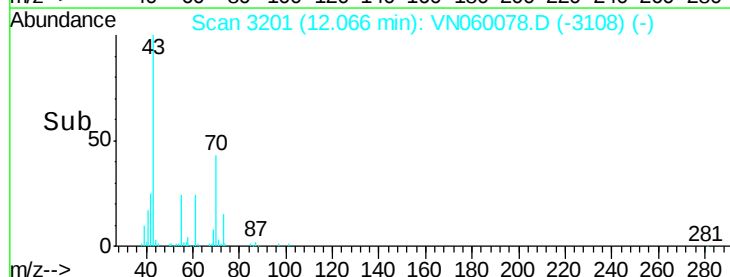
60000

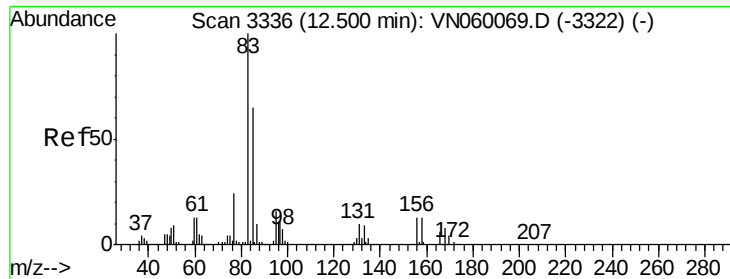
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.618 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

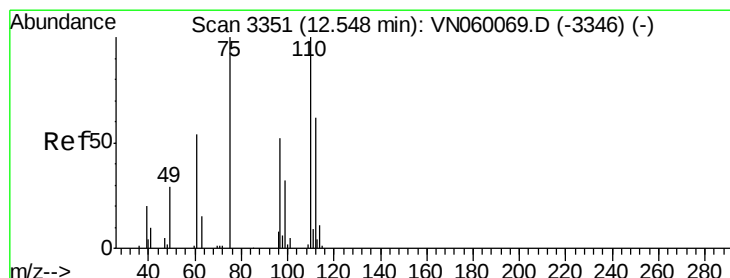
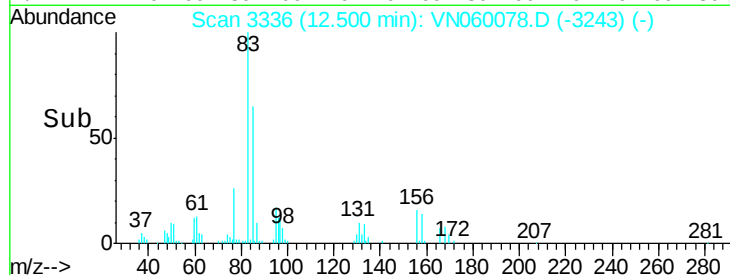
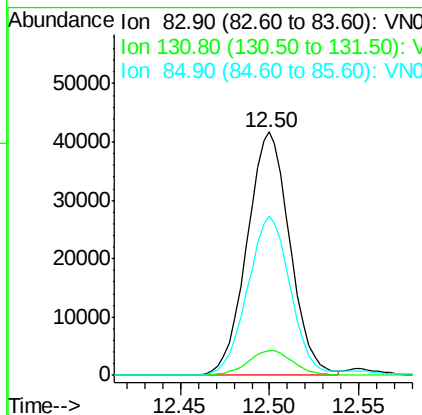
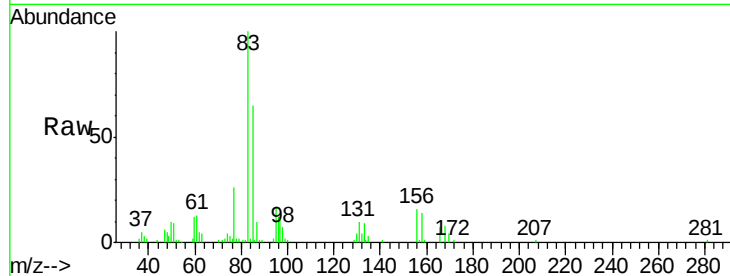
ClientSampleId :

VN0212MBSD01

Tot Ion:	83	Resp:	69948
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#76

1,2,3-Trichloropropane

Concen: 21.569 ug/l m

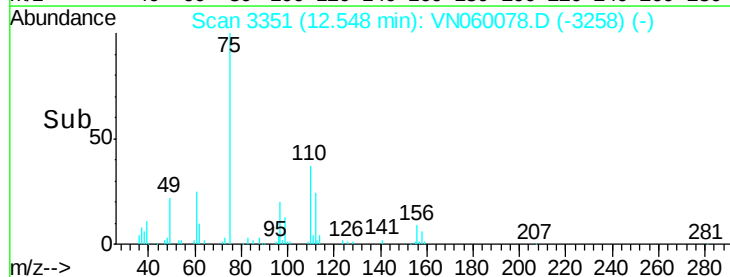
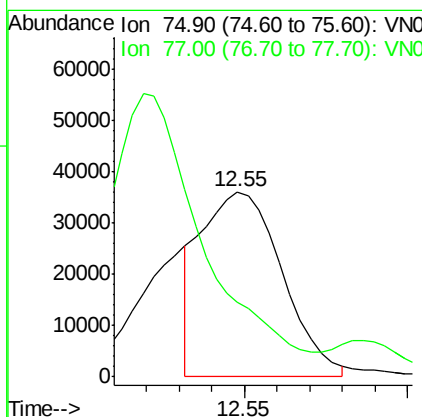
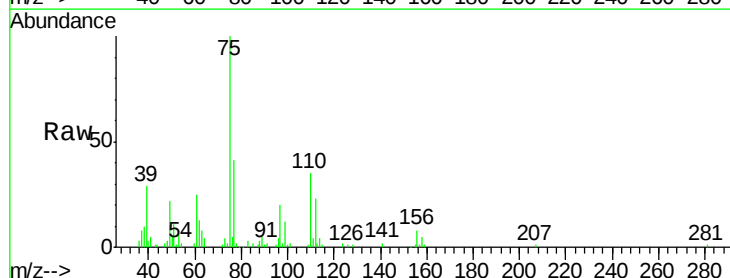
RT: 12.55 min Scan# 3351

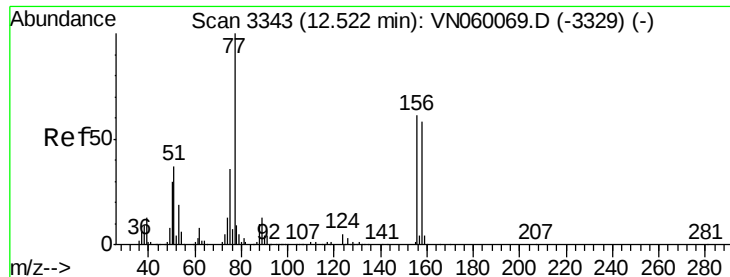
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	75	Resp:	62121
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.828 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

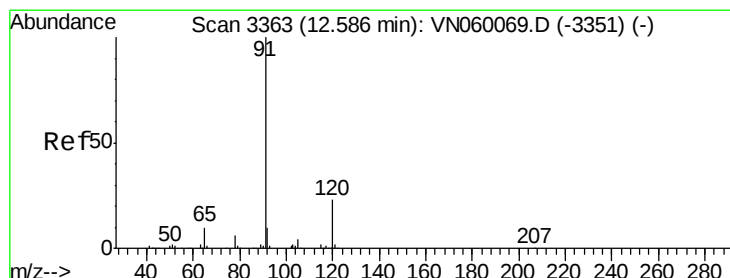
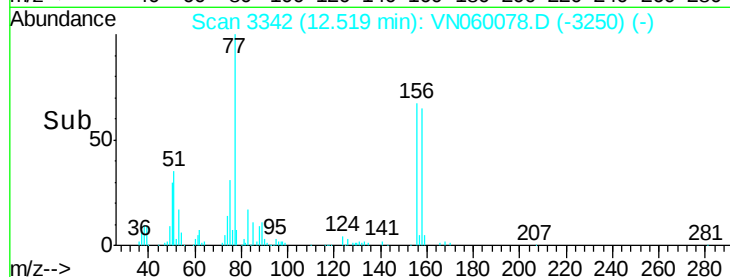
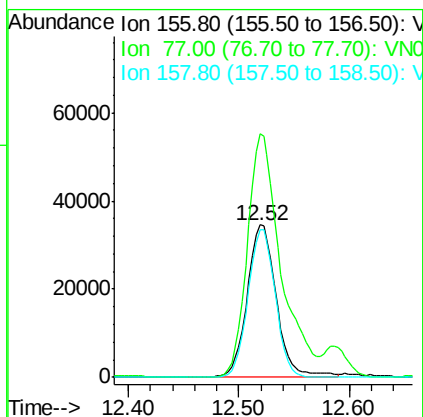
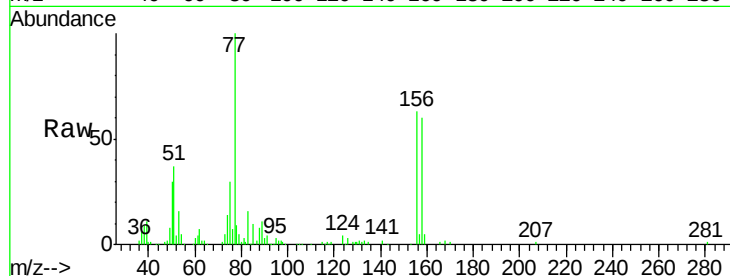
ClientSampleId :

VN0212MBSD01

Tot Ion:	156	Resp:	63685
Ion Ratio	Lower	Upper	
156	100		
77	181.4	98.7	296.1
158	89.7	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#78

n-propylbenzene

Concen: 20.667 ug/l

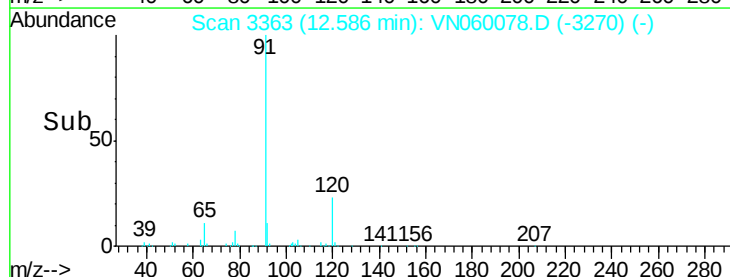
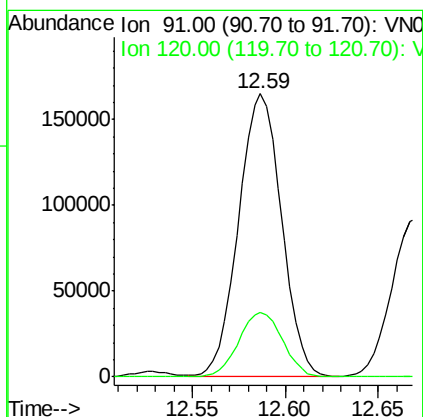
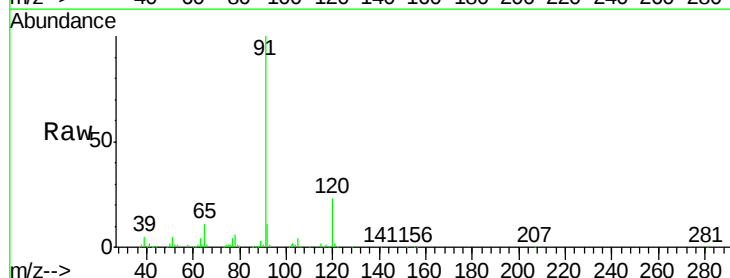
RT: 12.59 min Scan# 3363

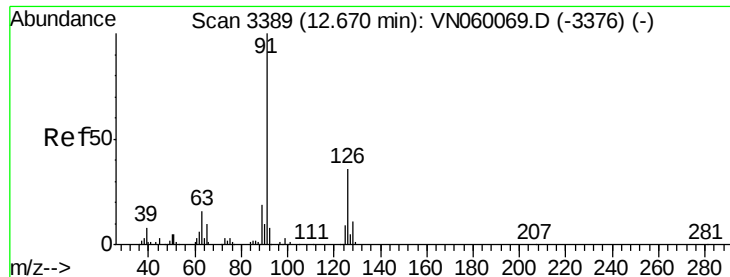
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	91	Resp:	264698
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.604 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

VN0212MBS01

Tot Ion: 91 Resp: 155110

Ion Ratio Lower Upper

91 100

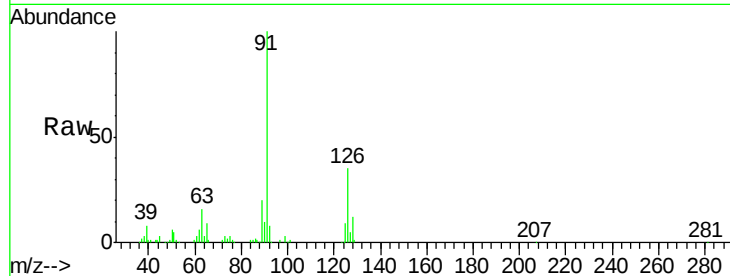
126 35.1 17.4 52.2

Manual Integrations

APPROVED

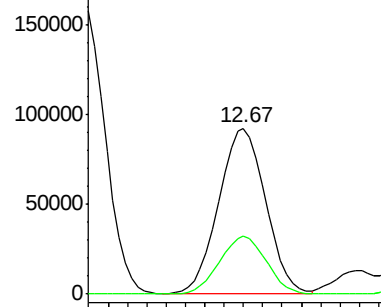
MMDadoda

2/13/2020 10:37:40 AM

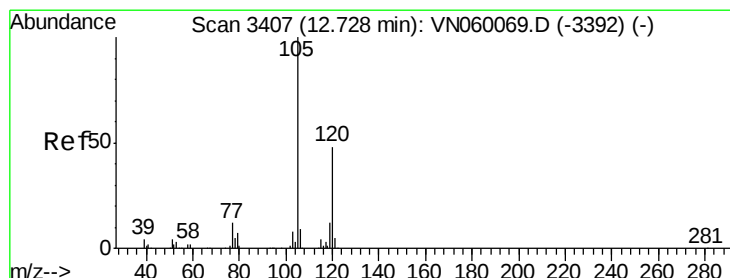
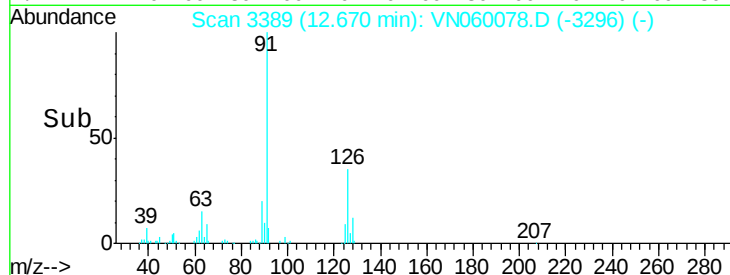


Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.221 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060078.D

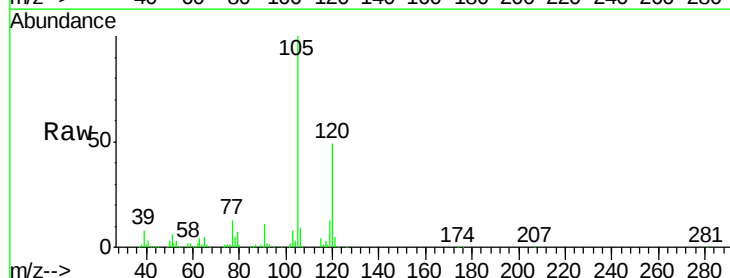
Acq: 12 Feb 2020 17:07

Tgt Ion: 105 Resp: 198346

Ion Ratio Lower Upper

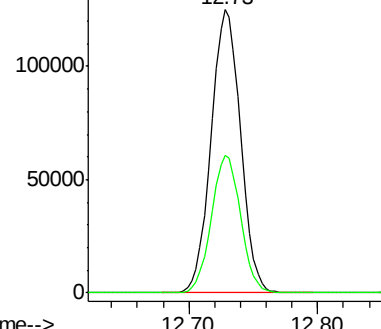
105 100

120 48.1 24.3 72.9

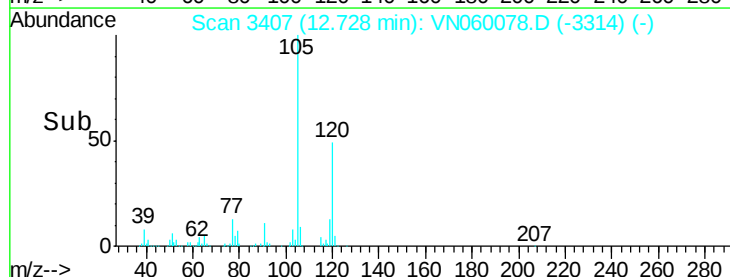


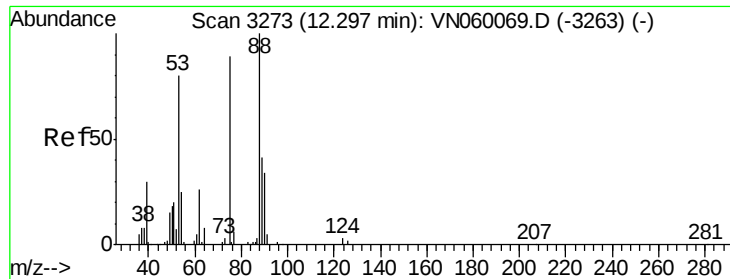
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





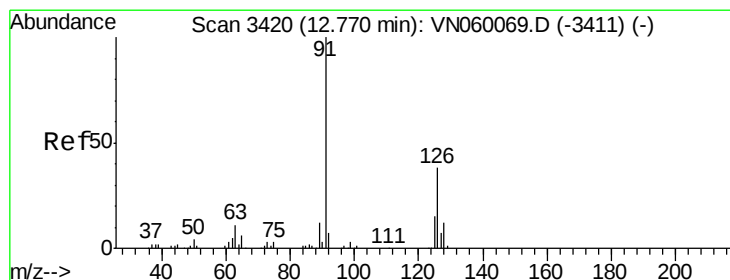
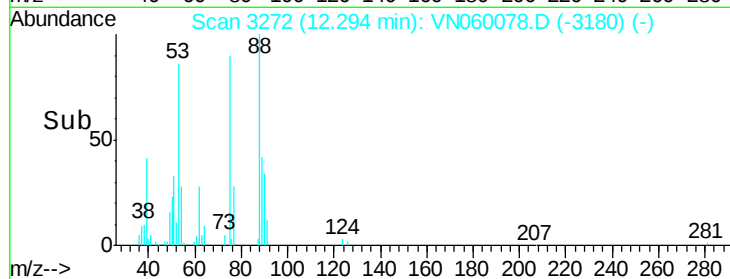
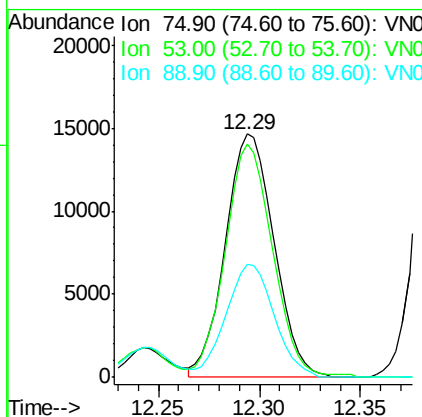
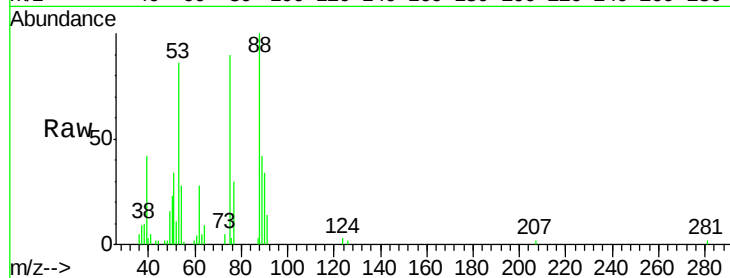
#81
trans-1,4-Dichloro-2-butene
Concen: 21.020 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	73.9	110.9
89	45.9	37.0	55.4

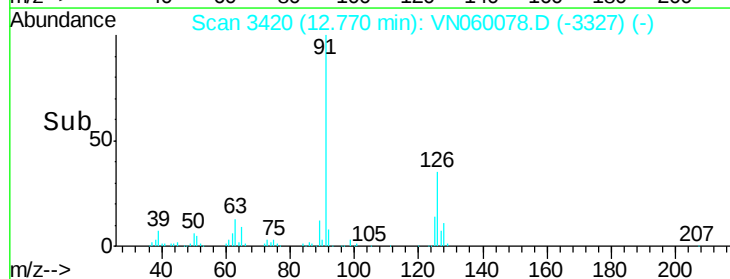
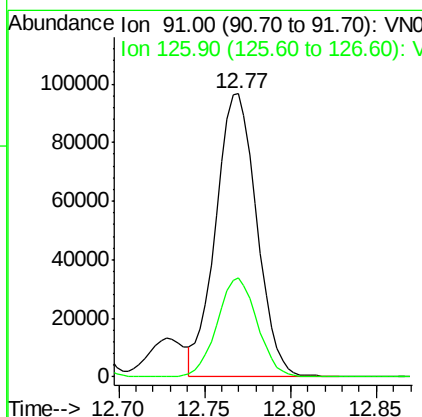
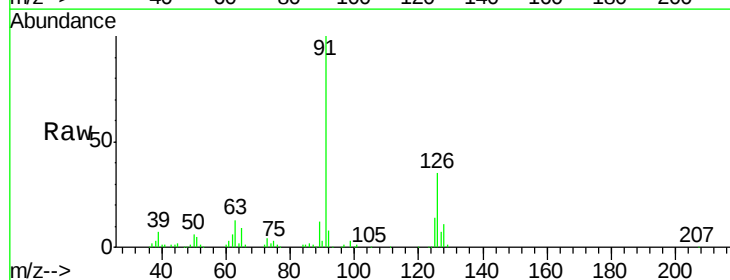
Manual Integrations
APPROVED

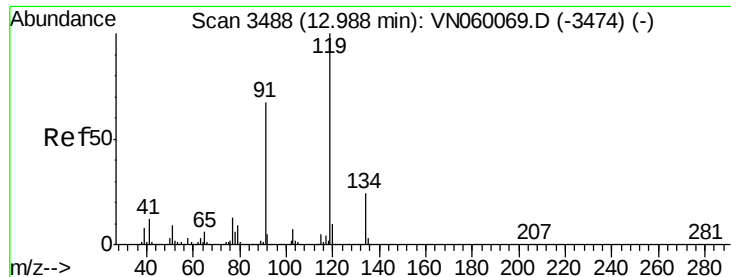
MMDadoda
2/13/2020 10:37:40 AM



#82
4-Chlorotoluene
Concen: 20.650 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.3





#83

tert-Butylbenzene

Concen: 20.629 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

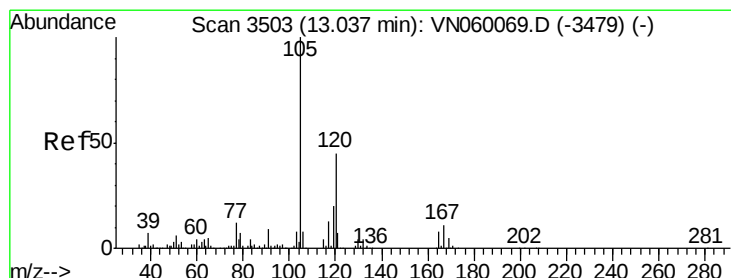
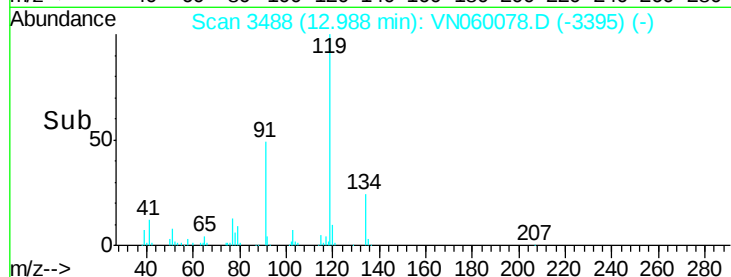
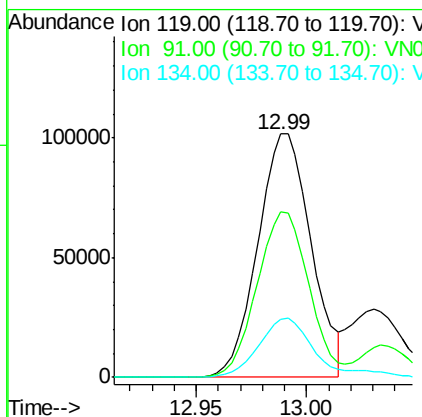
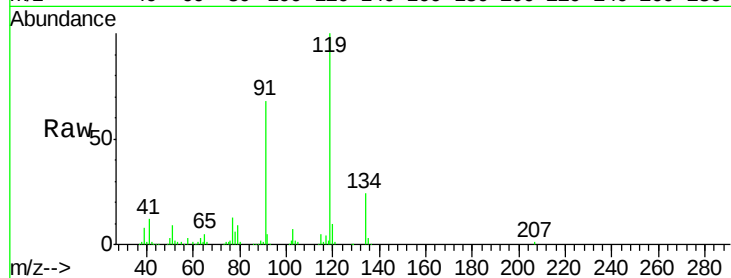
ClientSampleId :

VN0212MBSD01

Tot Ion:	119	Resp:	170563
Ion Ratio	Lower	Upper	
119	100		
91	66.3	32.7	98.1
134	25.6	12.9	38.7

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.207 ug/l

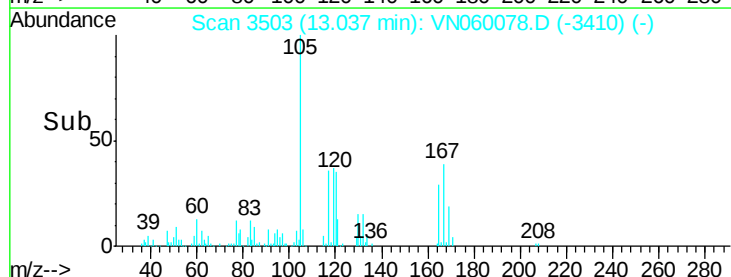
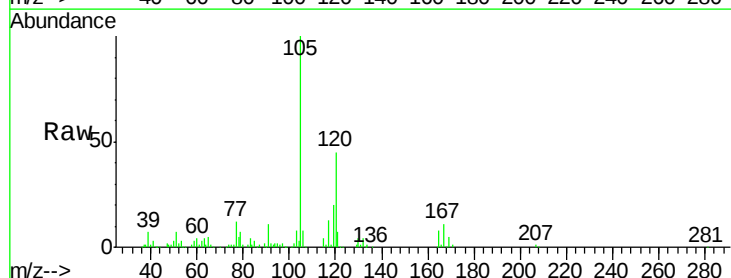
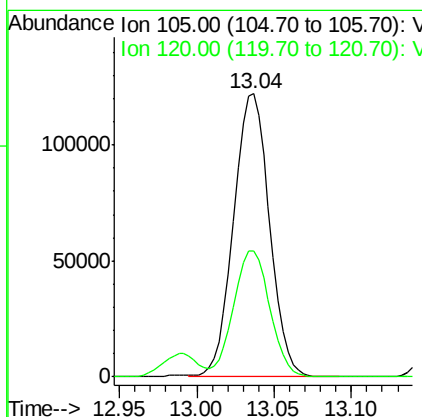
RT: 13.04 min Scan# 3503

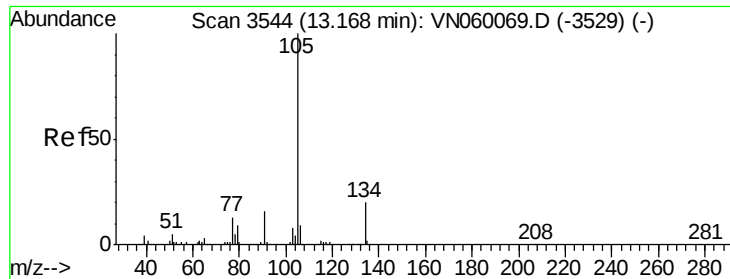
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	105	Resp:	195666
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.3





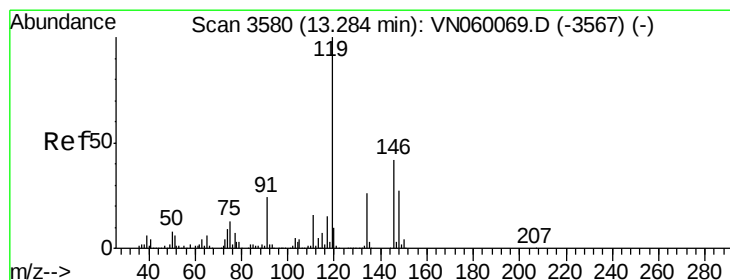
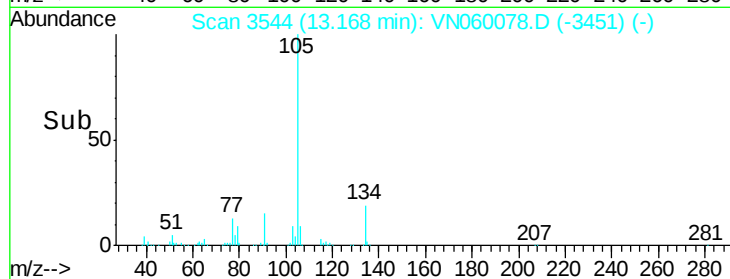
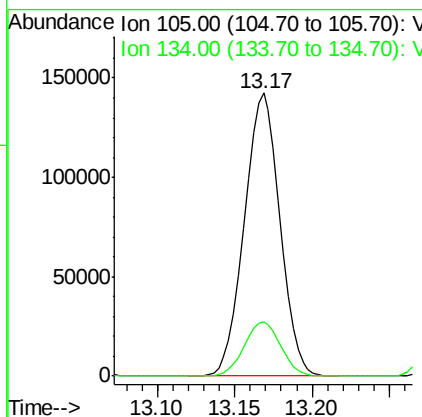
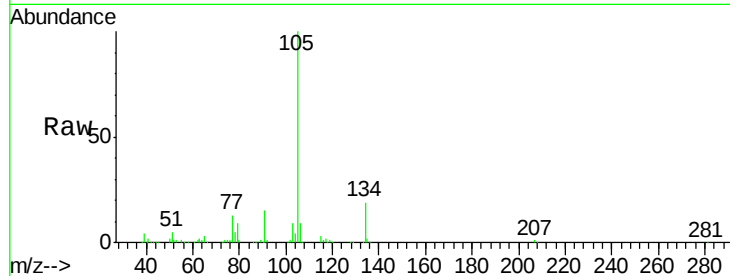
#85
 sec-Butylbenzene
 Concen: 20.828 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	228070		
134	19.6	9.9	29.7	

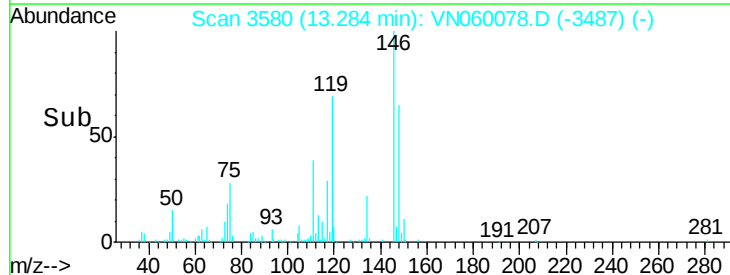
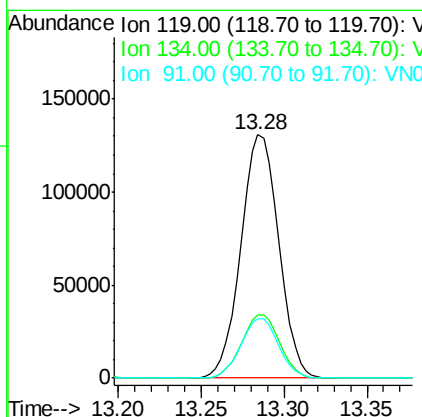
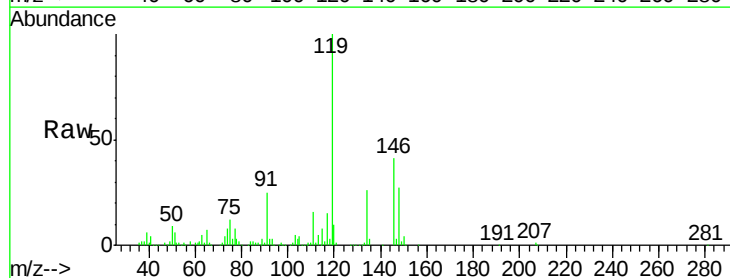
Manual Integrations
 APPROVED

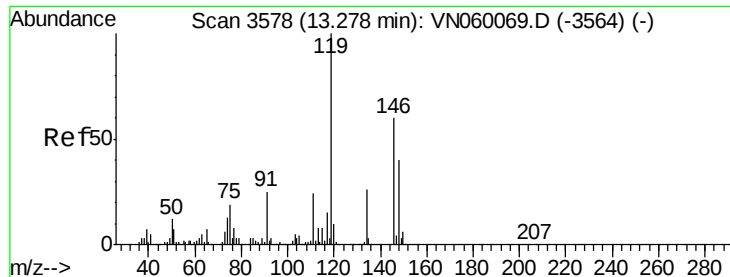
MMDadoda
 2/13/2020 10:37:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.961 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	207962		
134	26.1	13.3	39.8	
91	24.4	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 20.900 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060078.D

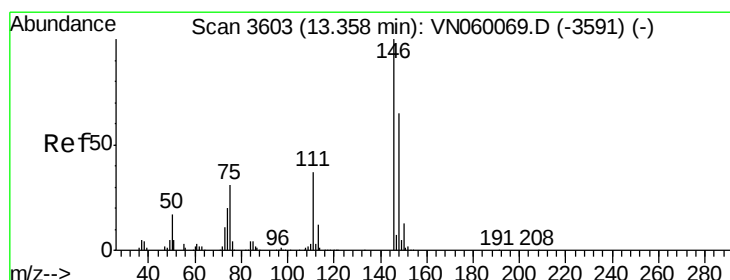
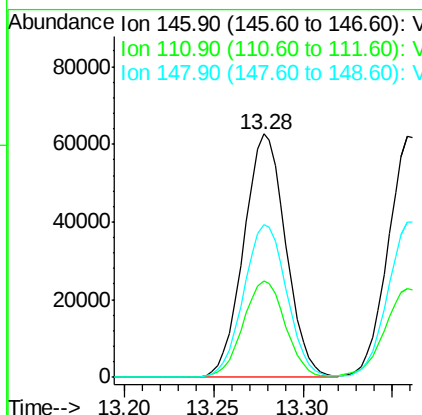
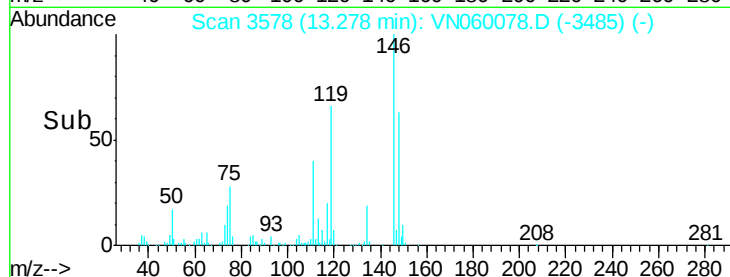
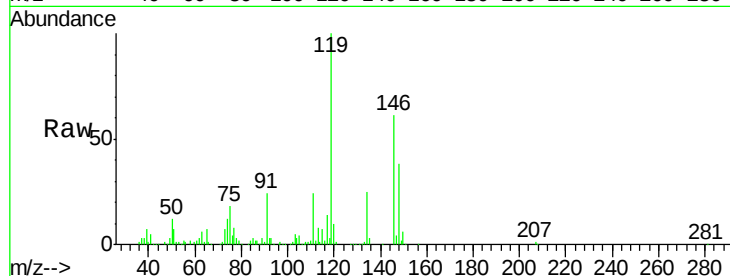
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#88

1,4-Dichlorobenzene

Concen: 20.673 ug/l

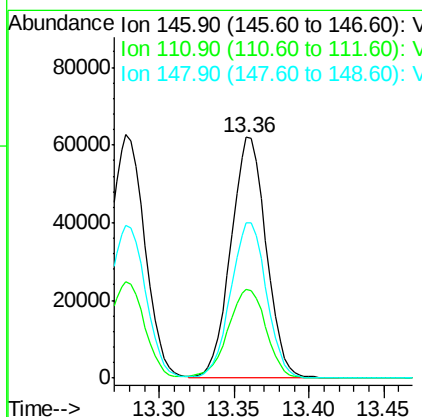
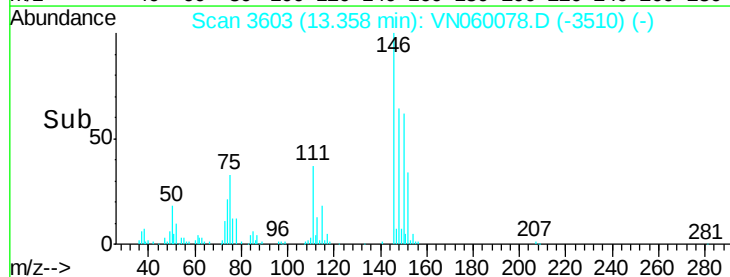
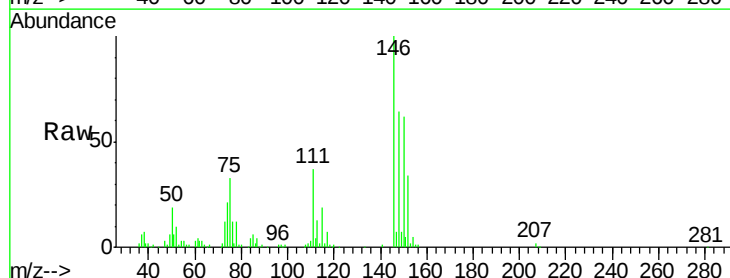
RT: 13.36 min Scan# 3603

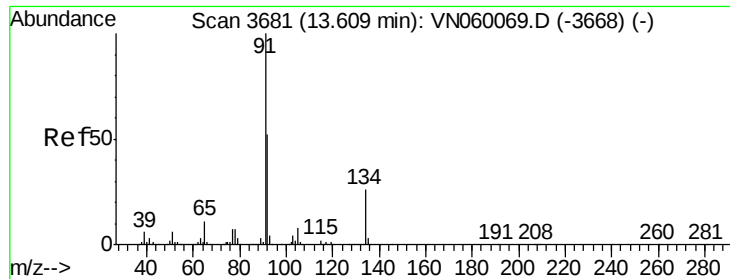
Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.5
148	65.5	32.0	96.0





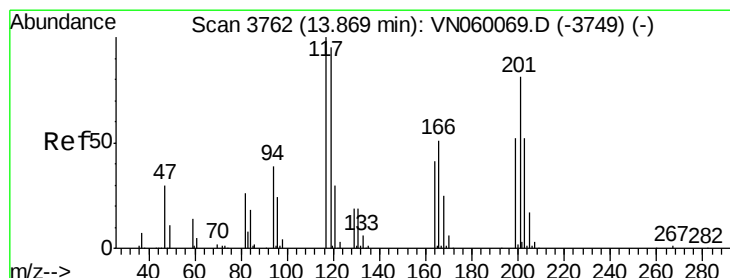
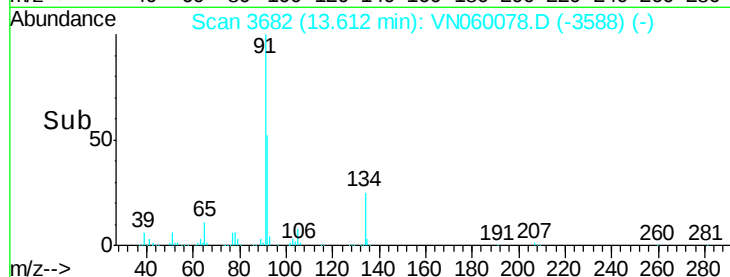
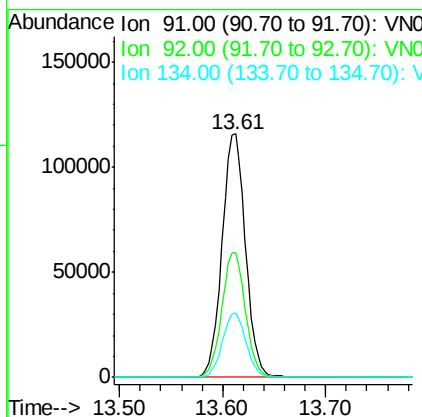
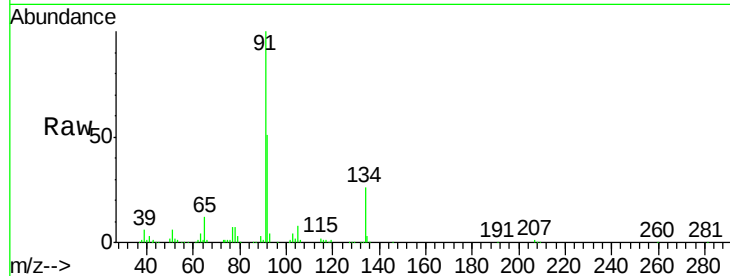
#89
n-Butylbenzene
Concen: 20.981 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
VN0212MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	26.5	13.1	39.3

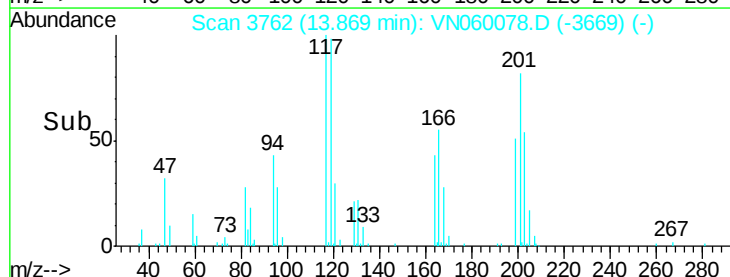
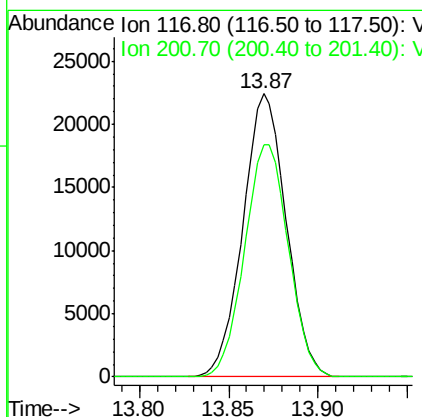
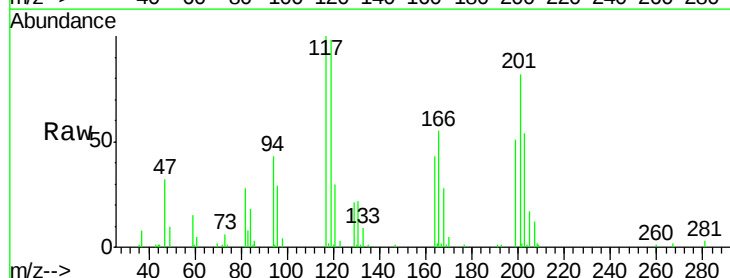
Manual Integrations
APPROVED

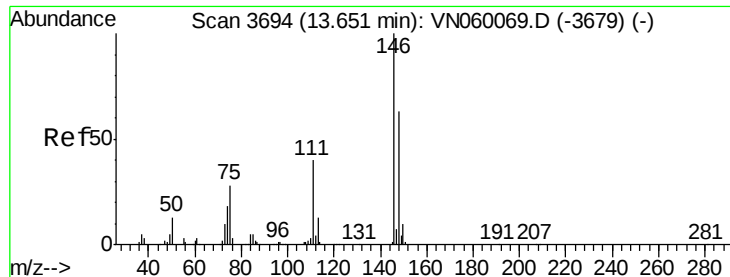
MMDadoda
2/13/2020 10:37:40 AM



#90
Hexachloroethane
Concen: 20.434 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060078.D
Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.7	125.1





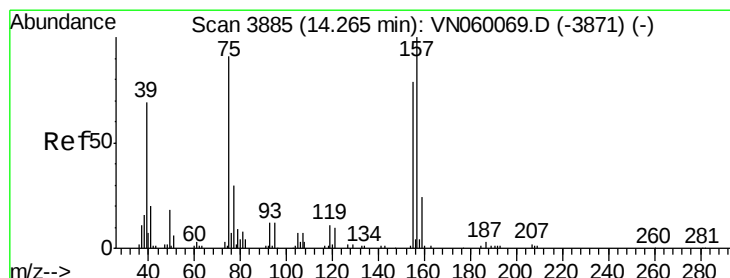
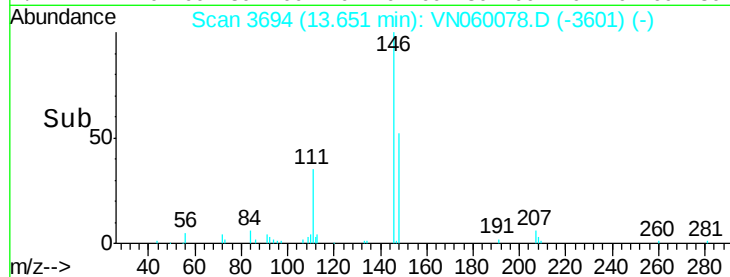
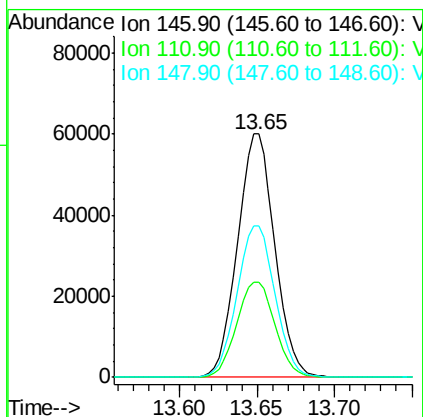
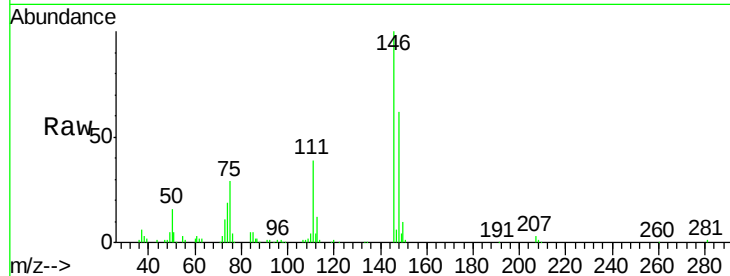
#91
 1,2-Dichlorobenzene
 Concen: 20.807 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100554		
111	40.2		20.1	60.2
148	63.6		31.9	95.5

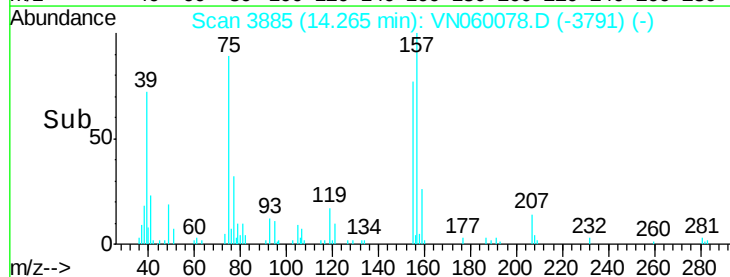
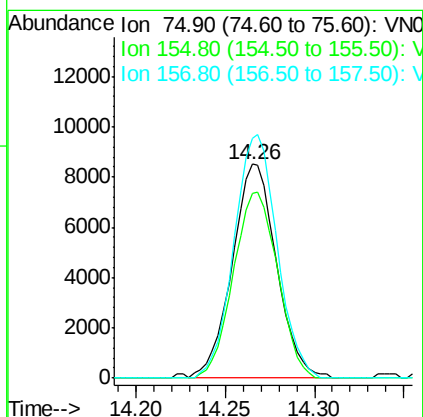
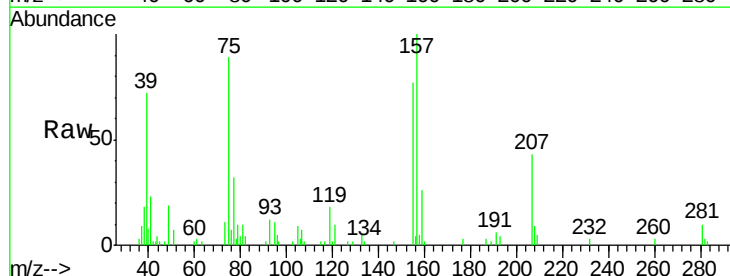
Manual Integrations
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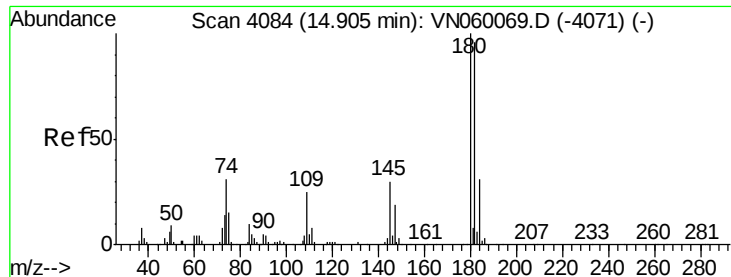
MMDadoda
 2/13/2020 10:37:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.916 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14699		
155	86.8		43.0	129.0
157	110.8		54.9	164.5





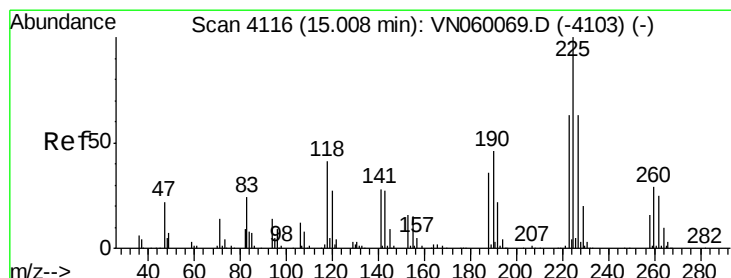
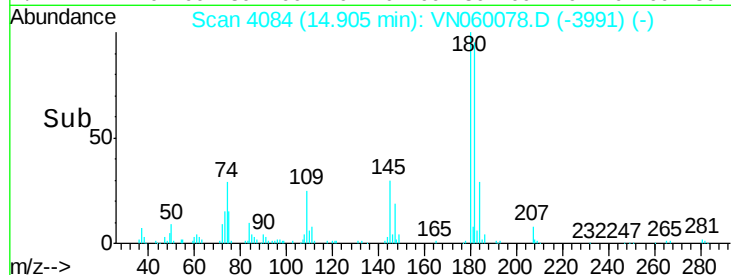
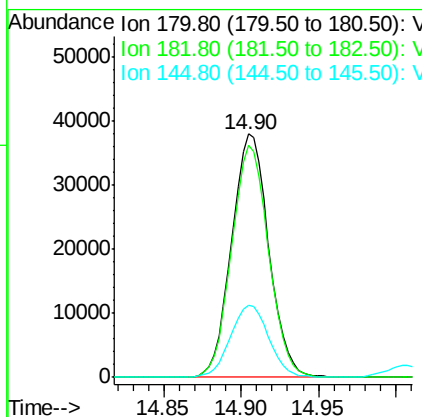
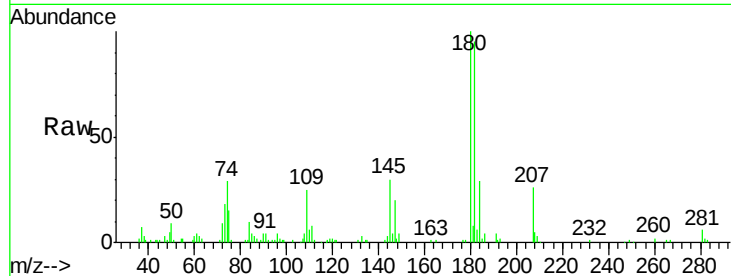
#93
 1,2,4-Trichlorobenzene
 Concen: 22.243 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	30.7	15.2	45.5

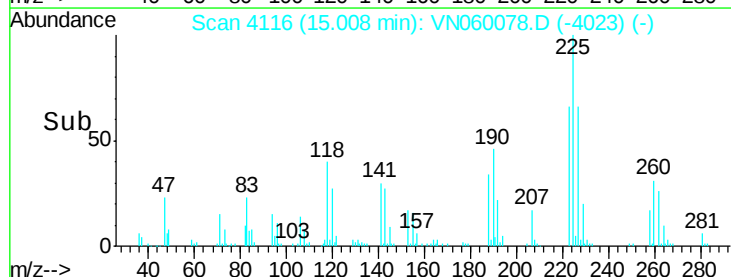
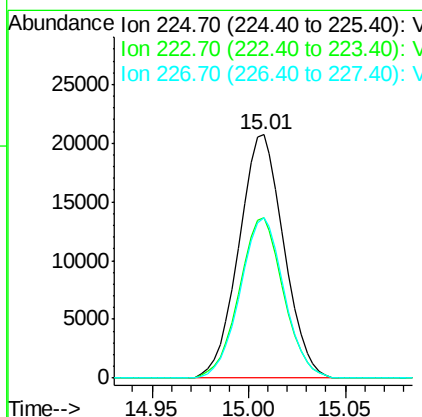
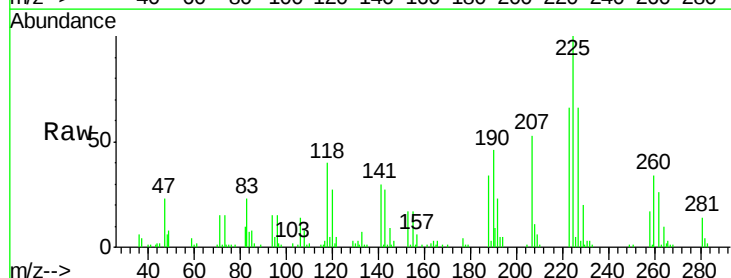
Manual Integrations
 APPROVED

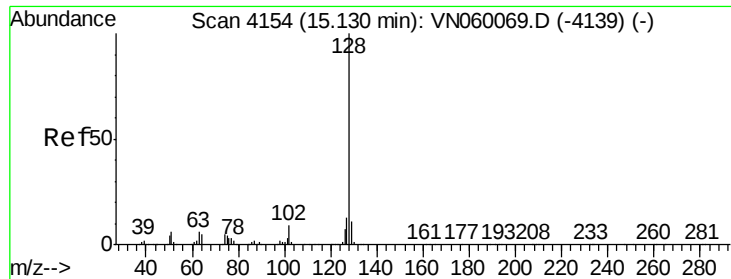
MMDadoda
 2/13/2020 10:37:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.149 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060078.D
 Acq: 12 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.5	94.5
227	64.3	31.8	95.4





#95

Naphthalene

Concen: 22.651 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Instrument :

MSVOA_N

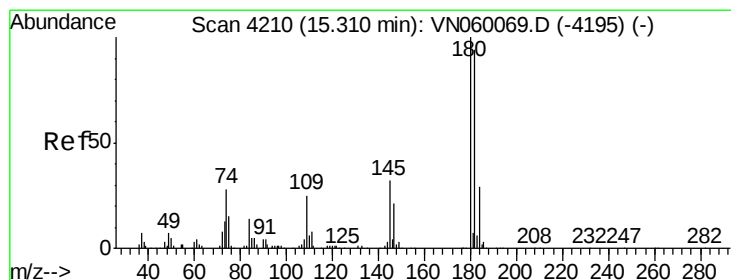
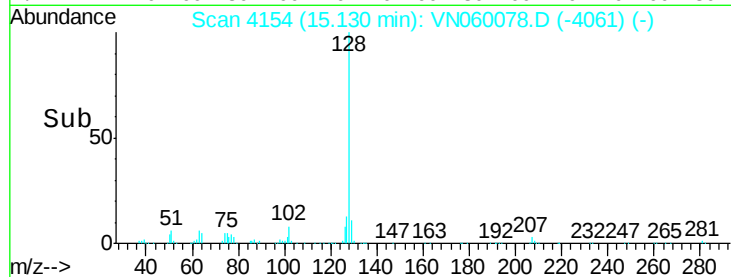
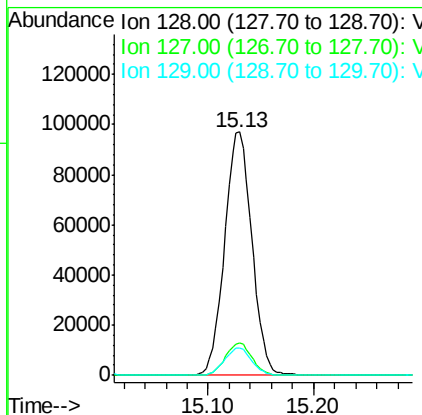
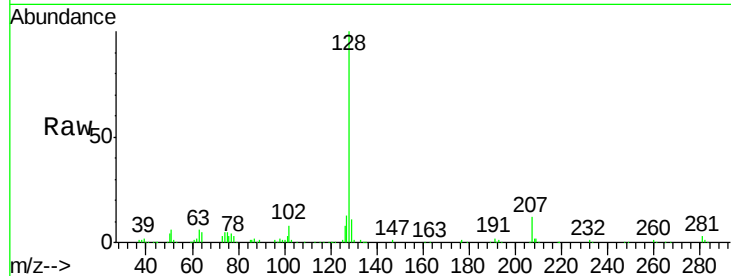
ClientSampleId :

VN0212MBSD01

Tot Ion:	128	Resp:	173749
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.715 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060078.D

Acq: 12 Feb 2020 17:07

Tgt Ion:	180	Resp:	61406
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.5
145	32.1	16.1	48.3

