

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060200.D
 Acq On : 24 Feb 2020 11:30
 Operator : JC/MD
 Sample : VN0224WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:43:22 AM

Quant Time: Feb 24 16:13:48 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	174807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	277922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108874	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.56	113	85827	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.08	98	324930	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	118190	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31465	18.008	ug/l	99
3) Chloromethane	2.04	50	36217	17.417	ug/l	99
4) Vinyl Chloride	2.17	62	42009	17.724	ug/l	98
5) Bromomethane	2.55	94	26486	18.225	ug/l	99
6) Chloroethane	2.69	64	22088	18.425	ug/l	97
7) Trichlorofluoromethane	3.00	101	56541	18.503	ug/l	99
8) Diethyl Ether	3.38	74	20156	19.815	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32608	19.220	ug/l	98
10) Methyl Iodide	3.93	142	41927	19.963	ug/l	100
11) Tert butyl alcohol	4.72	59	31206	98.036	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31148	18.846	ug/l	94
13) Acrolein	3.58	56	29294	93.106	ug/l	97
14) Allyl chloride	4.30	41	50148	20.615	ug/l	89
15) Acrylonitrile	4.94	53	80206	103.178	ug/l	98
16) Acetone	3.78	43	74653	80.460	ug/l	100
17) Carbon Disulfide	4.03	76	84317	16.926	ug/l	98
18) Methyl Acetate	4.29	43	37324	21.414	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	109434	19.689	ug/l	98
20) Methylene Chloride	4.52	84	35699	19.285	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	33444	18.563	ug/l	98
22) Diisopropyl ether	5.91	45	105594	19.807	ug/l	96
23) Vinyl Acetate	5.86	43	439216	98.105	ug/l	99
24) 1,1-Dichloroethane	5.82	63	62622	19.390	ug/l	99
25) 2-Butanone	6.80	43	105669	90.554	ug/l	98
26) 2,2-Dichloropropane	6.79	77	57367	18.701	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	39149	18.568	ug/l	98
28) Bromochloromethane	7.17	49	26377	20.775	ug/l	100
29) Tetrahydrofuran	7.18	42	70770	98.858	ug/l	98
30) Chloroform	7.35	83	66475	19.649	ug/l	98
31) Cyclohexane	7.63	56	56543	18.795	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	58390	18.887	ug/l	99
36) 1,1-Dichloropropene	7.77	75	47650	18.510	ug/l	98
37) Ethyl Acetate	6.89	43	45778	19.677	ug/l	99
38) Carbon Tetrachloride	7.75	117	51458	18.406	ug/l	99

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 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)
39) Methylcyclohexane	9.07	83	58010	18.154	ug/l	99
40) Benzene	8.02	78	142881	18.711	ug/l	99
41) Methacrylonitrile	7.15	41	18056m	18.506	ug/l	
42) 1,2-Dichloroethane	8.10	62	53693	20.062	ug/l	99
43) Isopropyl Acetate	8.14	43	78507	19.740	ug/l	99
44) Trichloroethene	8.82	130	39018	18.453	ug/l	99
45) 1,2-Dichloropropane	9.10	63	37123	19.637	ug/l	99
46) Dibromomethane	9.19	93	25743	19.269	ug/l	99
47) Bromodichloromethane	9.39	83	52123	19.190	ug/l	97
48) Methyl methacrylate	9.18	41	33475	18.760	ug/l	100
49) 1,4-Dioxane	9.18	88	12090	396.561	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	223965	97.294	ug/l	99
52) Toluene	10.14	92	91867	18.761	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	58535	19.092	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62294	19.296	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	37055	19.397	ug/l	98
56) Ethyl methacrylate	10.42	69	51203	18.947	ug/l	99
57) 1,3-Dichloropropane	10.70	76	60597	19.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	119894	95.231	ug/l	100
59) 2-Hexanone	10.74	43	159058	89.449	ug/l	100
60) Dibromochloromethane	10.89	129	41847	19.089	ug/l	100
61) 1,2-Dibromoethane	10.99	107	38642	19.296	ug/l	99
64) Tetrachloroethene	10.62	164	37393	19.155	ug/l	98
65) Chlorobenzene	11.43	112	98705	18.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38695	19.551	ug/l	98
67) Ethyl Benzene	11.50	91	177222	18.782	ug/l	98
68) m/p-Xylenes	11.62	106	133374	37.661	ug/l	100
69) o-Xylene	11.94	106	64069	18.789	ug/l	99
70) Styrene	11.96	104	100750	18.323	ug/l	100
71) Bromoform	12.12	173	29230	18.362	ug/l #	99
73) Isopropylbenzene	12.25	105	173990	19.008	ug/l	100
74) N-amyl acetate	12.07	43	62803	19.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	51852	19.681	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	48539m	20.698	ug/l	
77) Bromobenzene	12.52	156	43970	19.357	ug/l	99
78) n-propylbenzene	12.59	91	195708	18.766	ug/l	99
79) 2-Chlorotoluene	12.67	91	115840	18.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	145580	19.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17706	18.486	ug/l	97
82) 4-Chlorotoluene	12.77	91	120292	19.128	ug/l	100
83) tert-Butylbenzene	12.99	119	125186	18.594	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	144584	19.246	ug/l	99
85) sec-Butylbenzene	13.17	105	168714	18.922	ug/l	99
86) p-Isopropyltoluene	13.29	119	154258	19.095	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	76570	19.043	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77443	19.264	ug/l	99
89) n-Butylbenzene	13.61	91	133750	18.824	ug/l	99
90) Hexachloroethane	13.87	117	27890	18.480	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	76157	19.353	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10756	18.718	ug/l	96

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0224WBSD01

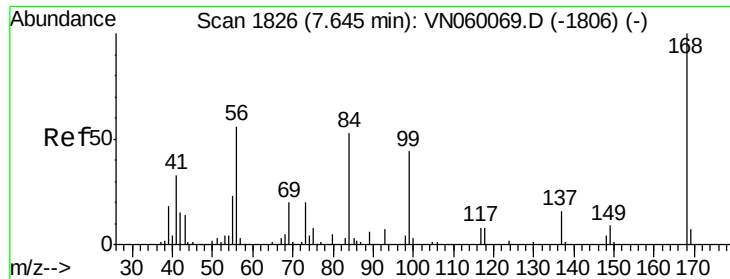
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44630	19.302	ug/l	98
94) Hexachlorobutadiene	15.01	225	25761	19.032	ug/l	99
95) Naphthalene	15.13	128	115875	18.553	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44209	19.200	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion:168 Resp: 174807

Ion Ratio Lower Upper

168 100

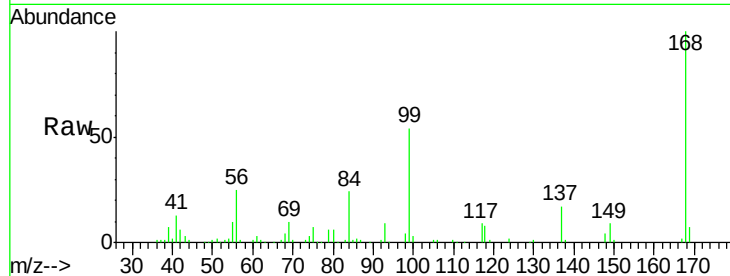
99 54.4 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

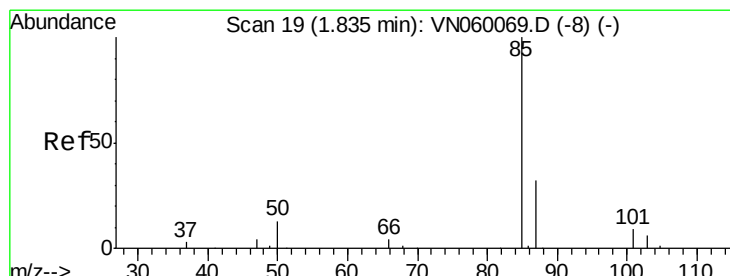
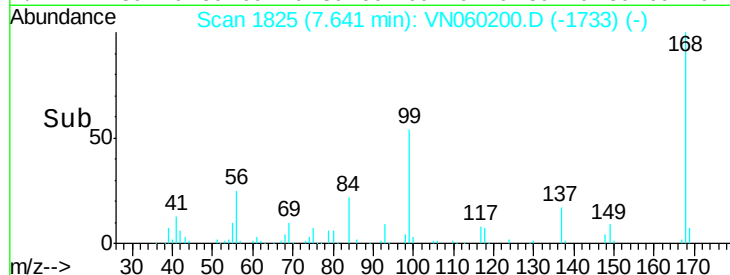
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.008 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060200.D

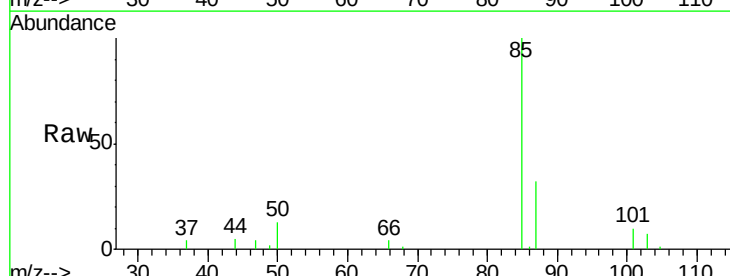
Acq: 24 Feb 2020 11:30

Tgt Ion: 85 Resp: 31465

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

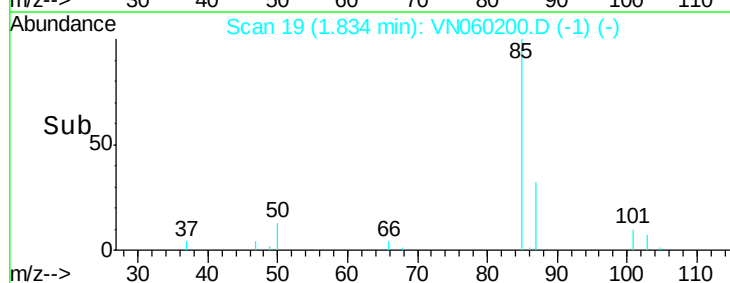
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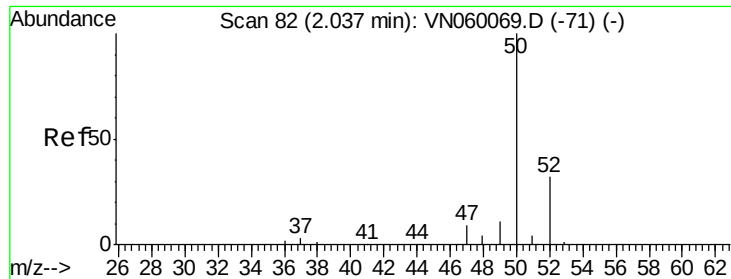
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.417 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 50 Resp: 36217

Ion Ratio Lower Upper

50 100

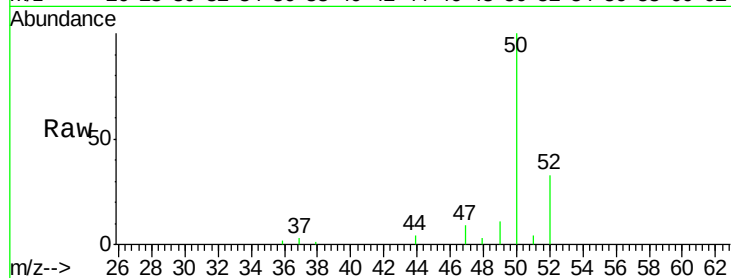
52 32.6 25.6 38.4

Manual Integrations

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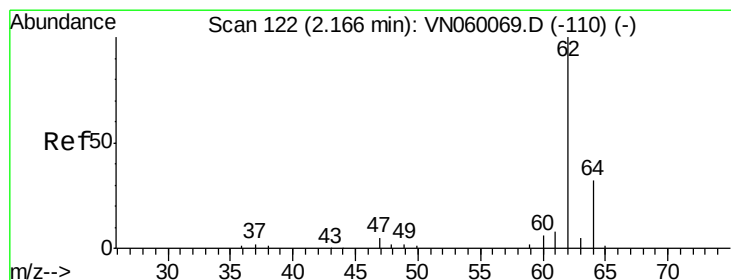
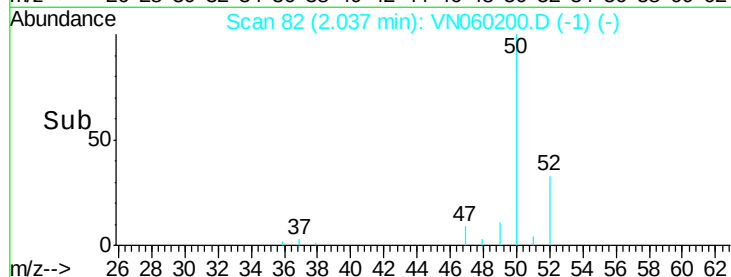
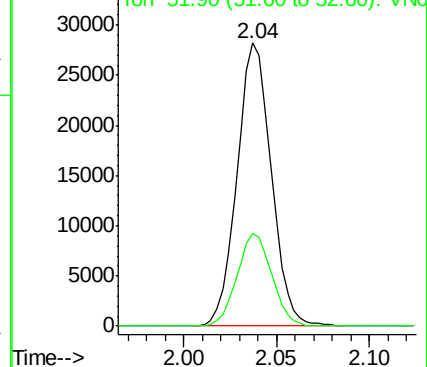
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.724 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060200.D

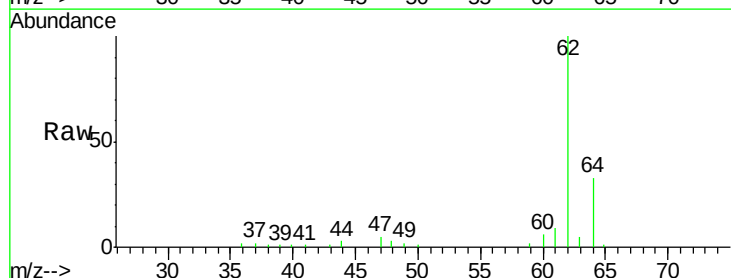
Acq: 24 Feb 2020 11:30

Tgt Ion: 62 Resp: 42009

Ion Ratio Lower Upper

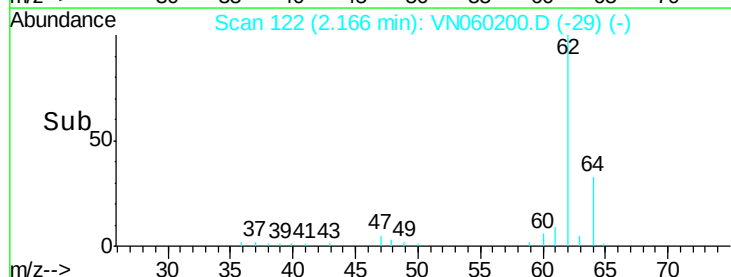
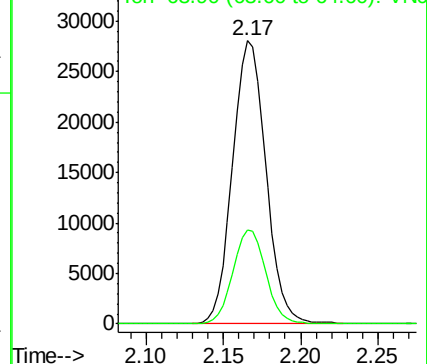
62 100

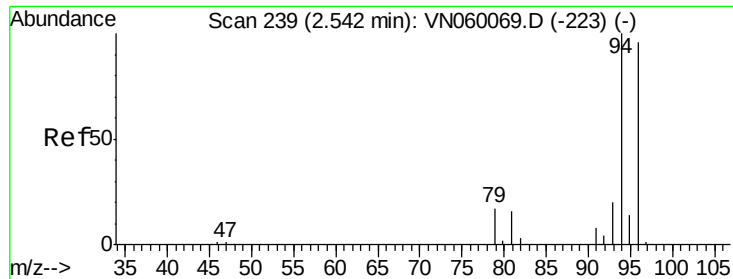
64 33.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.225 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 94 Resp: 26486

Ion Ratio Lower Upper

94 100

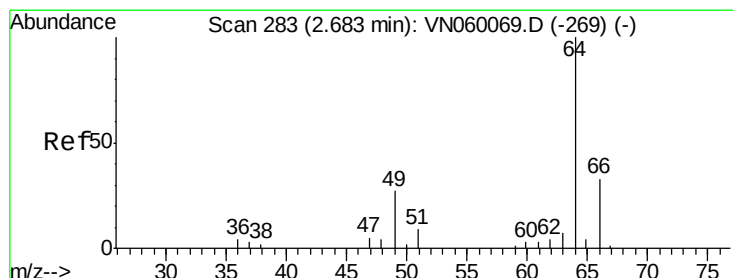
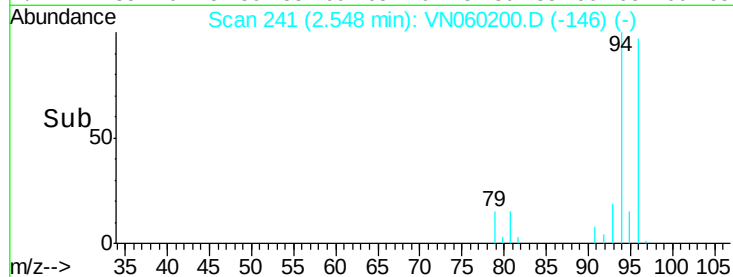
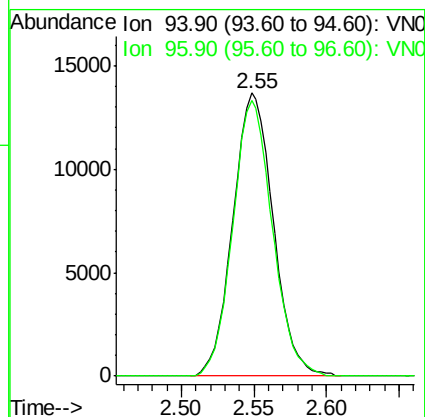
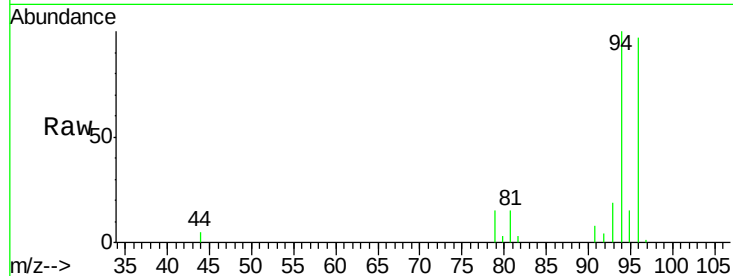
96 97.3 76.7 115.1

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#6

Chloroethane

Concen: 18.425 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060200.D

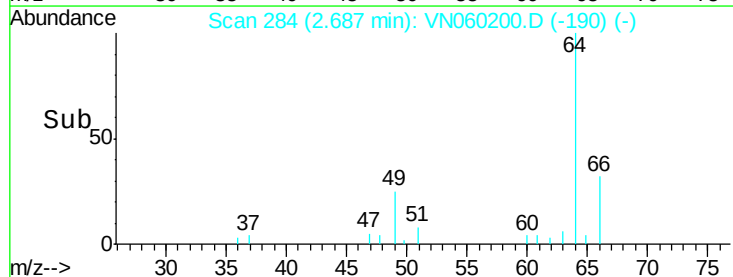
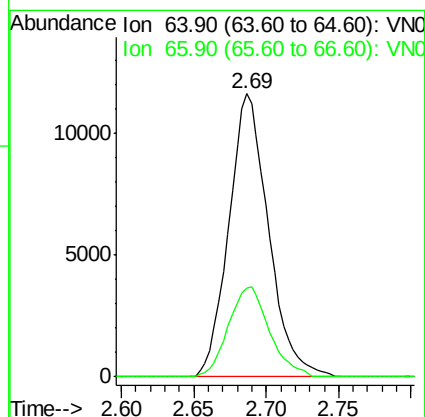
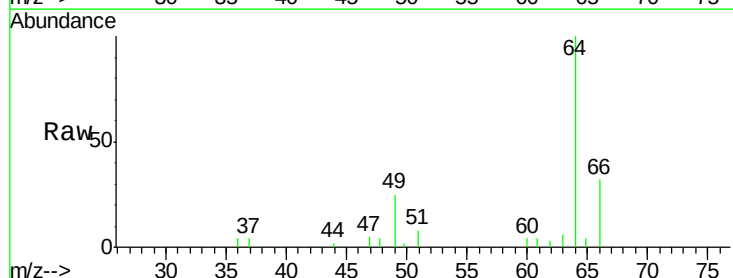
Acq: 24 Feb 2020 11:30

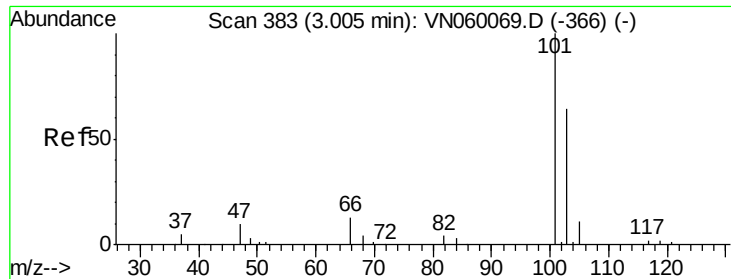
Tgt Ion: 64 Resp: 22088

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0





#7

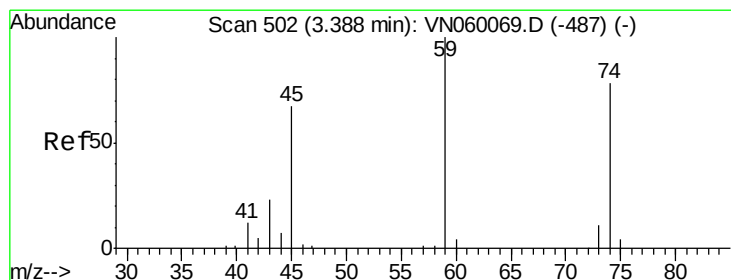
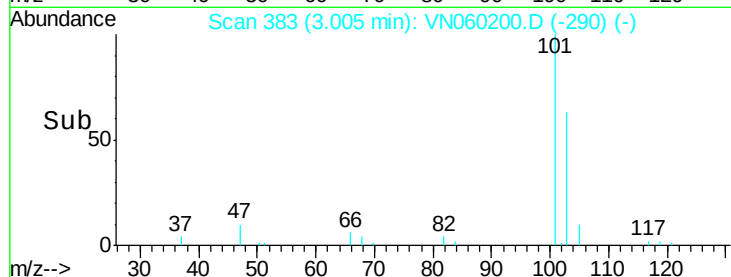
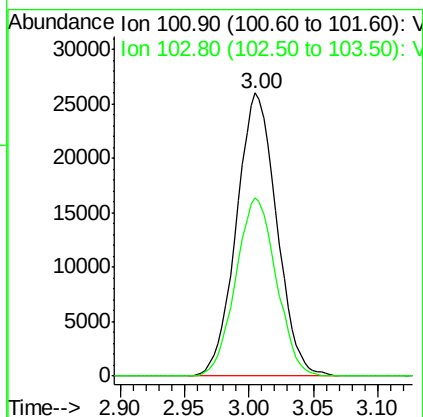
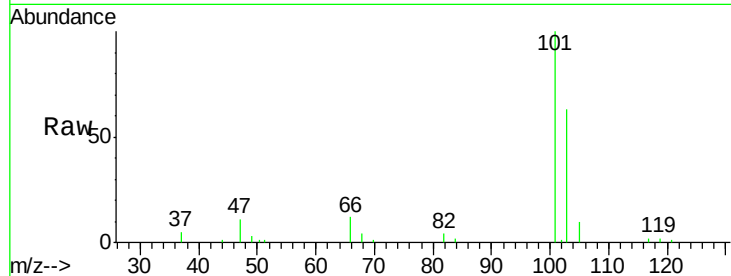
Trichlorofluoromethane
Concen: 18.503 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
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ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.0	76.6

Manual Integrations
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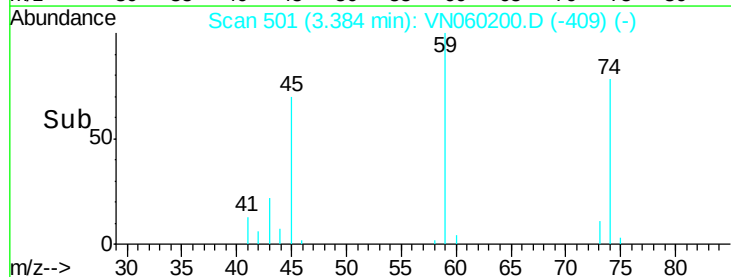
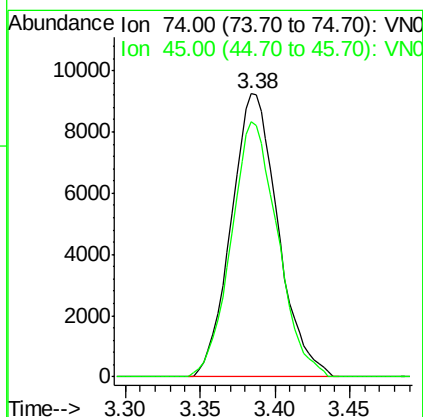
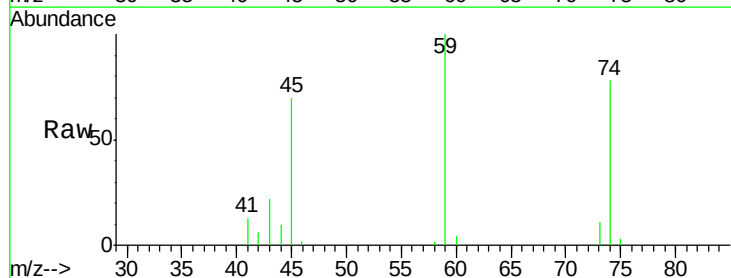
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2/25/2020 9:43:22 AM

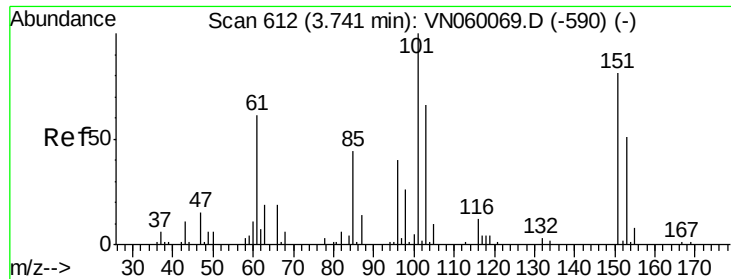


#8

Diethyl Ether
Concen: 19.815 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	44.7	134.1





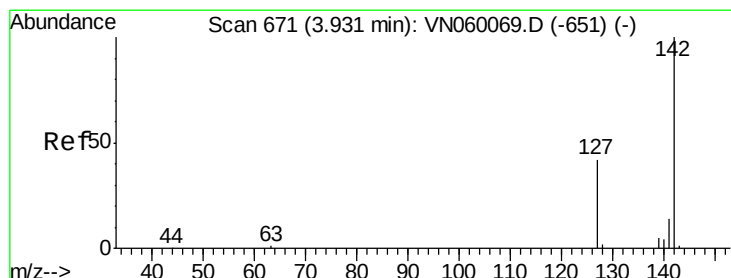
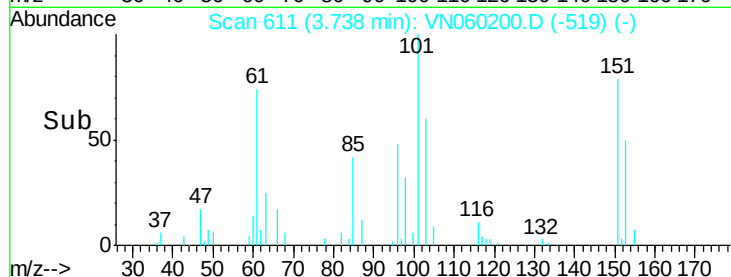
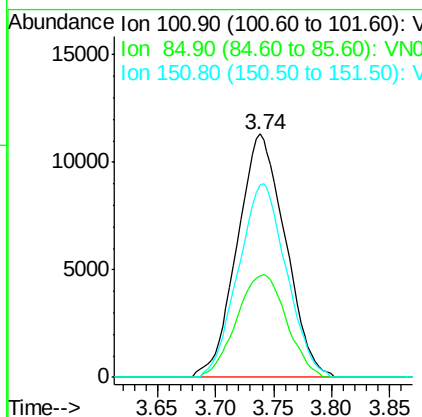
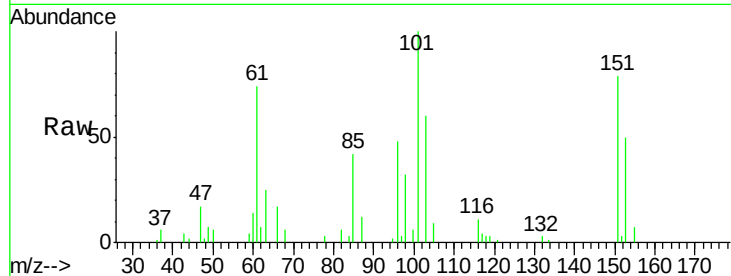
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.220 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060200.D
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Instrument :
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 VN0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	32608		
85	43.7	35.1	52.7	
151	79.8	65.8	98.6	

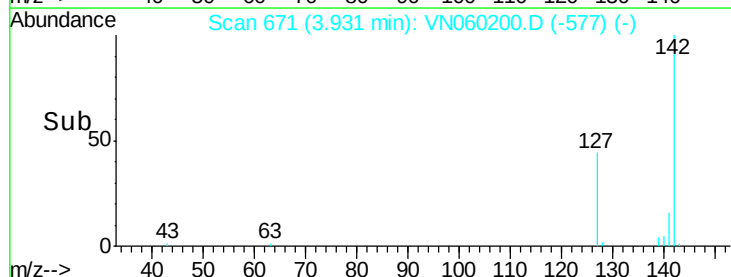
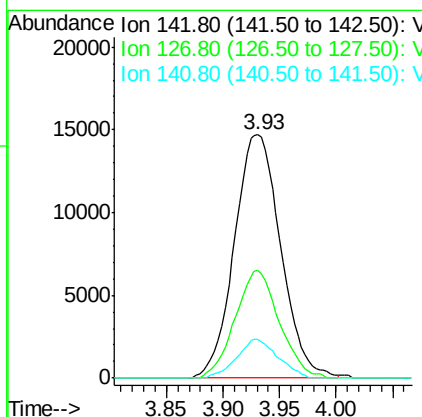
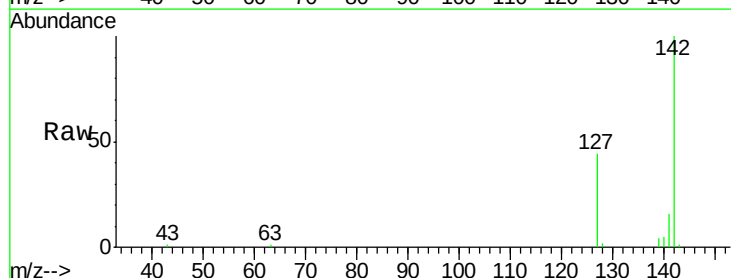
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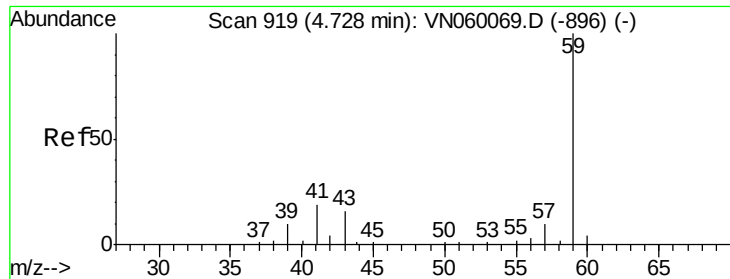
MMDadoda
 2/25/2020 9:43:22 AM



#10
 Methyl Iodide
 Concen: 19.963 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	41927		
127	42.1	33.6	50.4	
141	14.2	11.4	17.2	





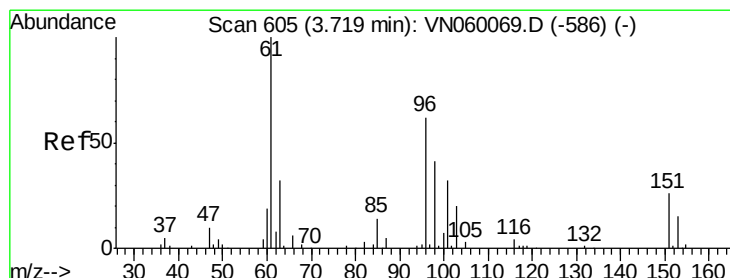
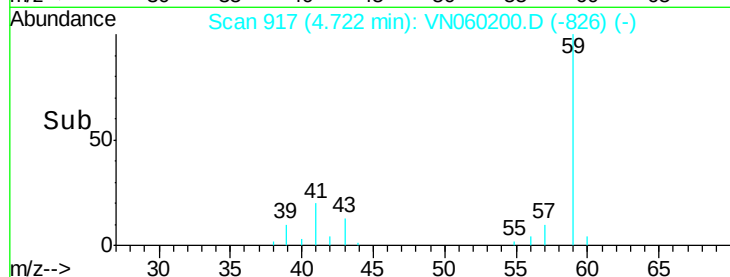
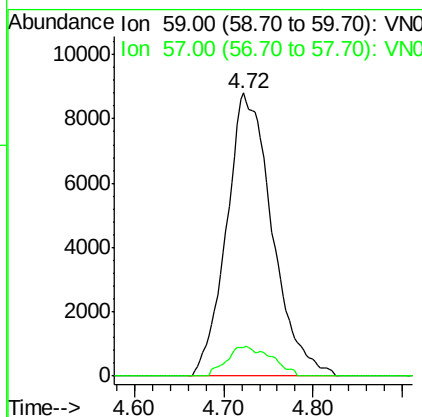
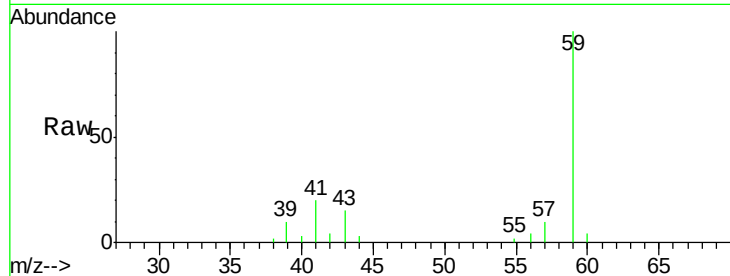
#11
Tert butyl alcohol
Concen: 98.036 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

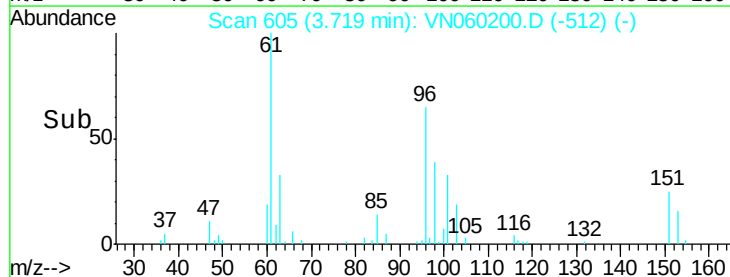
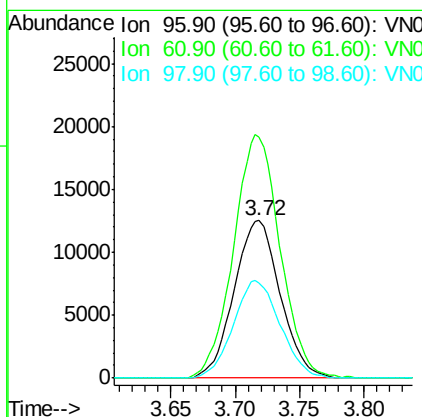
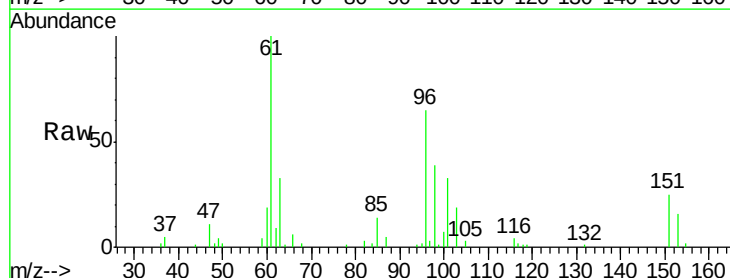
Manual Integrations
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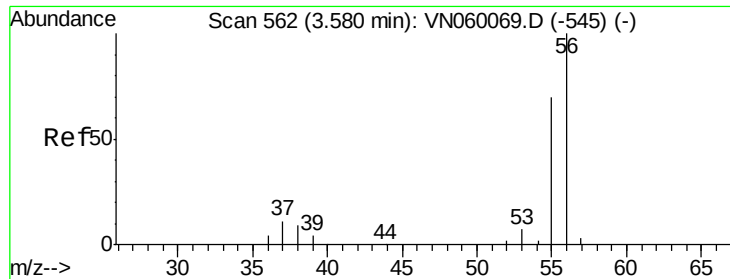
MMDadoda
2/25/2020 9:43:22 AM



#12
1,1-Dichloroethene
Concen: 18.846 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	128.3	192.5
98	60.2	52.2	78.4





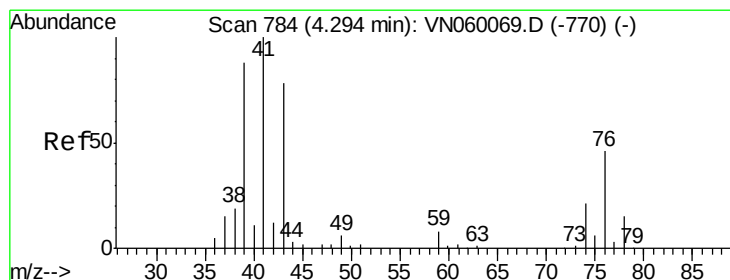
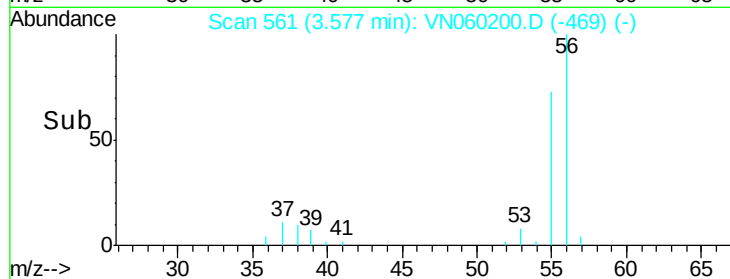
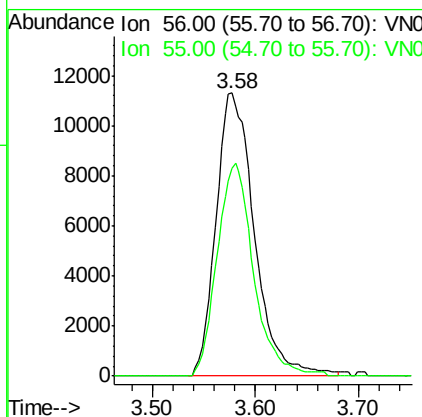
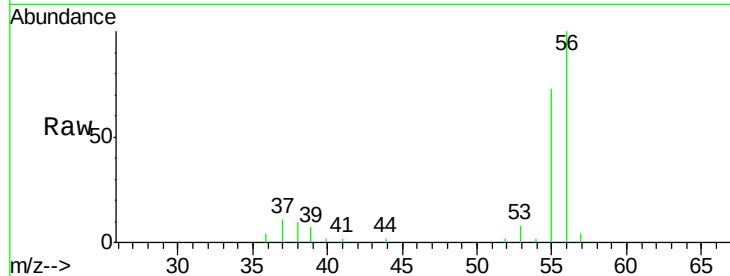
#13
 Acrolein
 Concen: 93.106 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	56	Resp	29294
Ion Ratio	100	Lower	Upper
56	100		
55	71.1	54.8	82.2

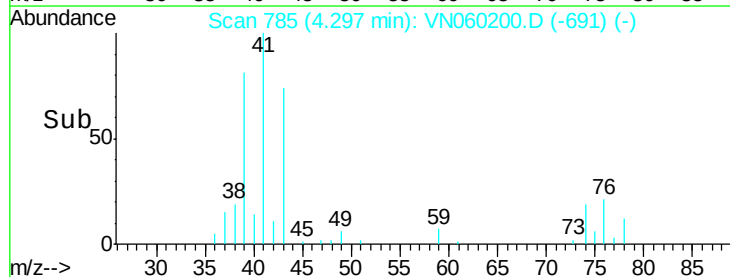
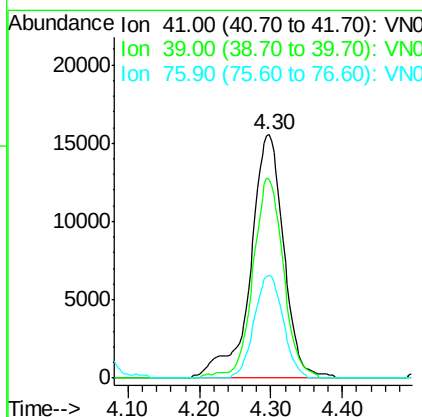
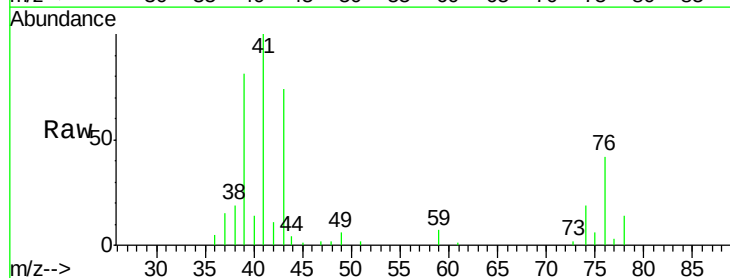
Manual Integrations
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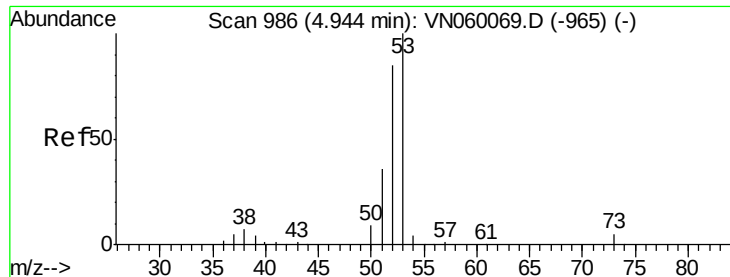
MMDadoda
 2/25/2020 9:43:22 AM



#14
 Allyl chloride
 Concen: 20.615 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	41	Resp	50148
Ion Ratio	100	Lower	Upper
41	100		
39	74.1	67.8	101.8
76	36.6	33.9	50.9





#15

Acrylonitrile

Concen: 103.178 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

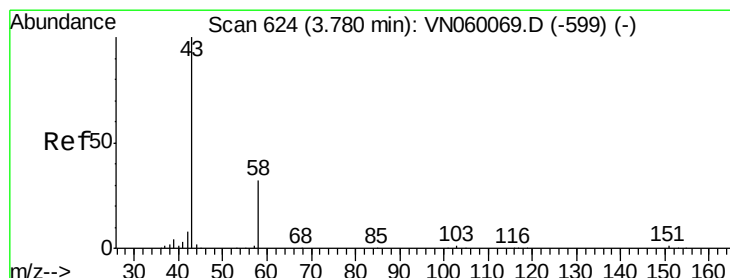
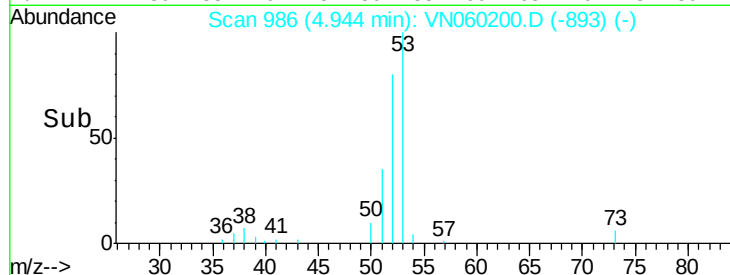
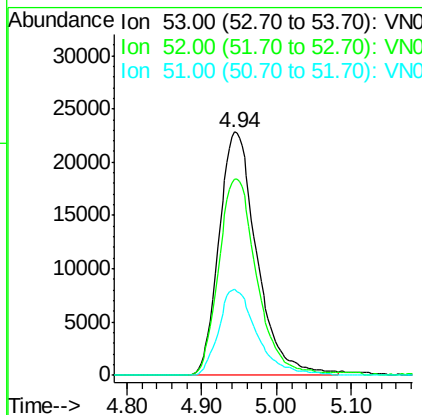
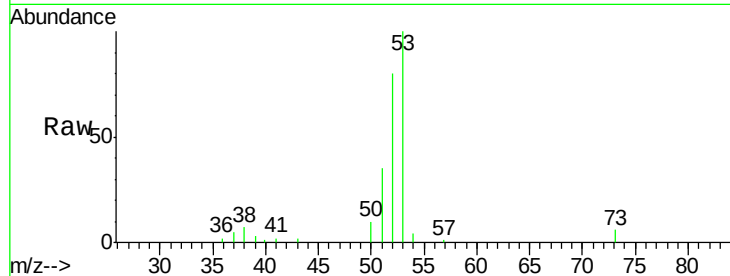
ClientSampleId :

VN0224WBSD01

Tot Ion:	53	Resp:	80206
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.8	100.2
51	36.0	29.4	44.0

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#16

Acetone

Concen: 80.460 ug/l

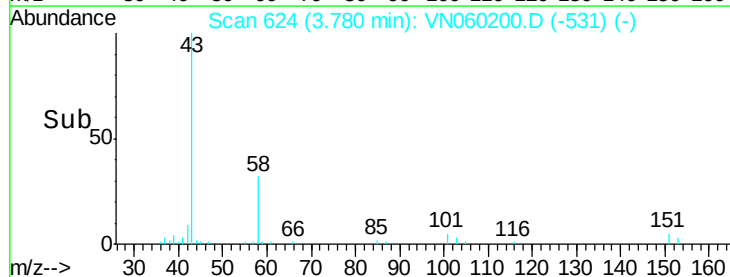
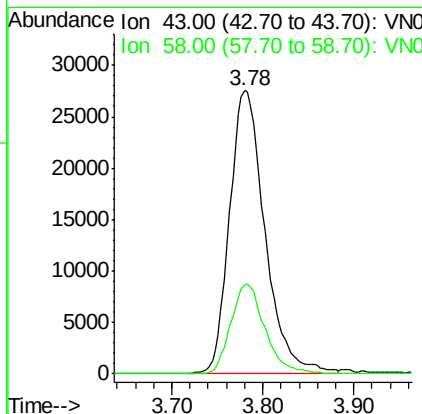
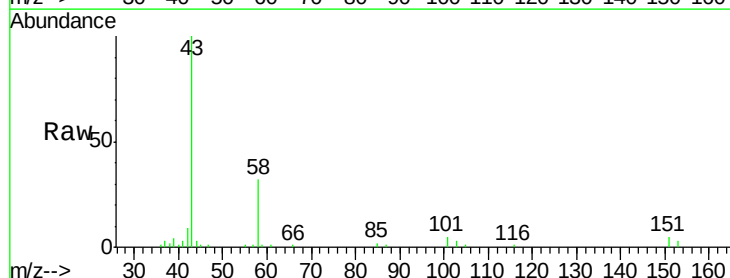
RT: 3.78 min Scan# 624

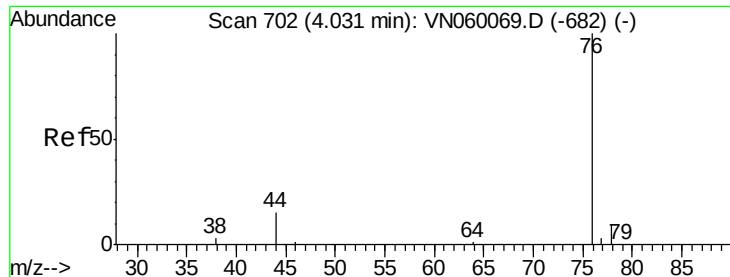
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	43	Resp:	74653
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.2	37.8





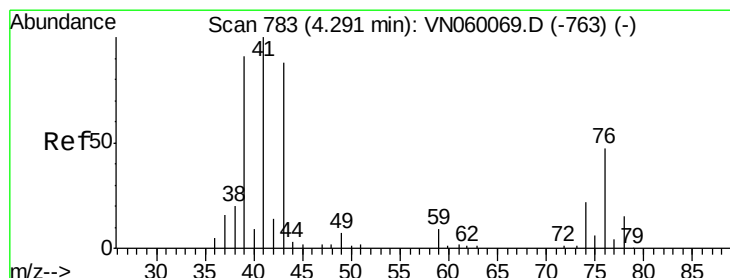
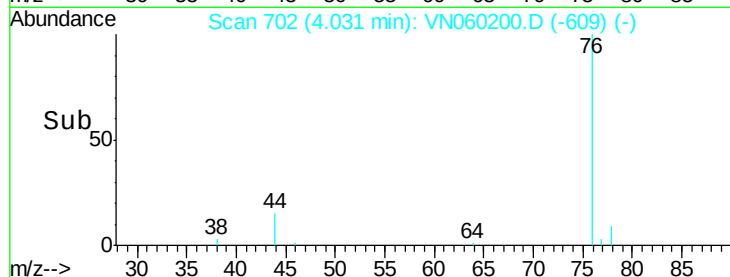
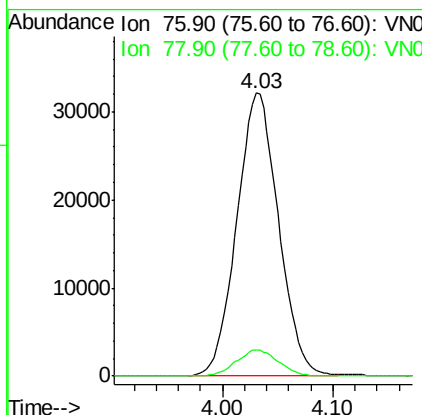
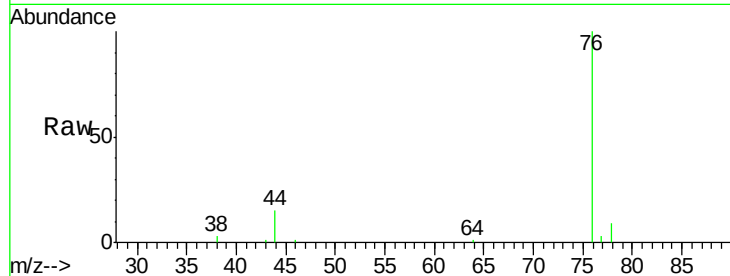
#17
Carbon Disulfide
Concen: 16.926 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

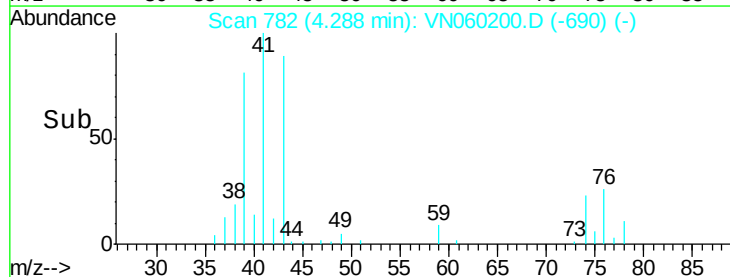
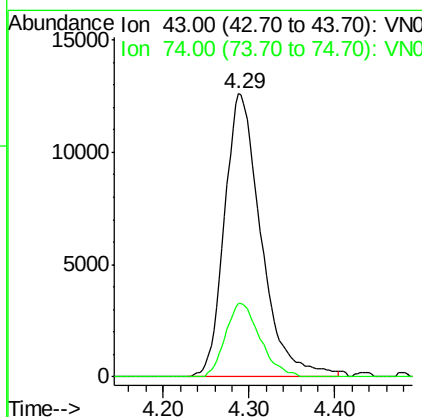
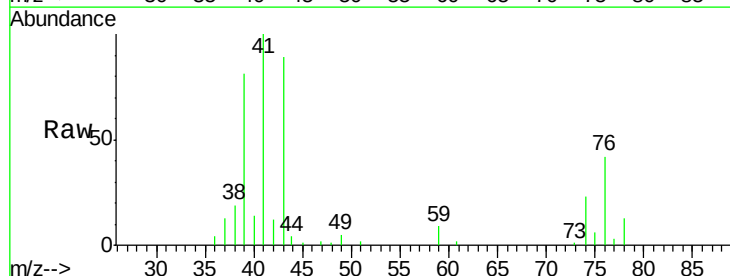
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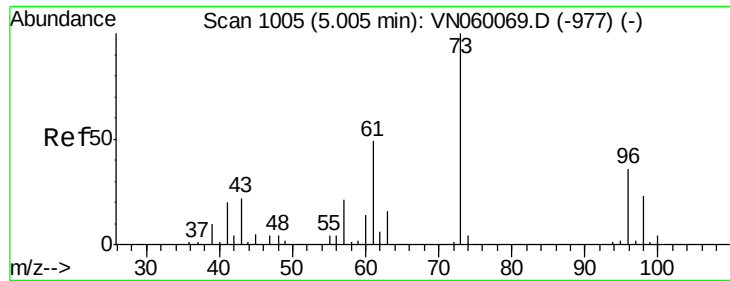
MMDadoda
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#18
Methyl Acetate
Concen: 21.414 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.3	30.5





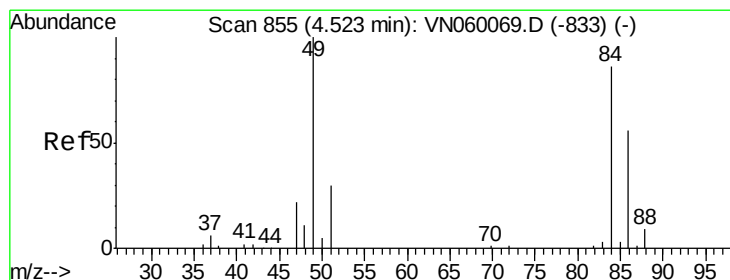
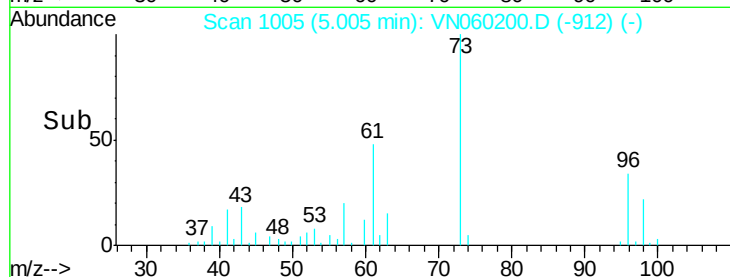
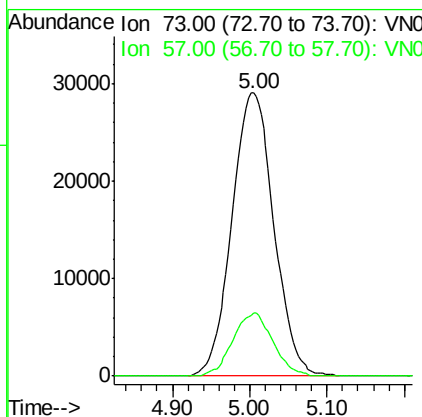
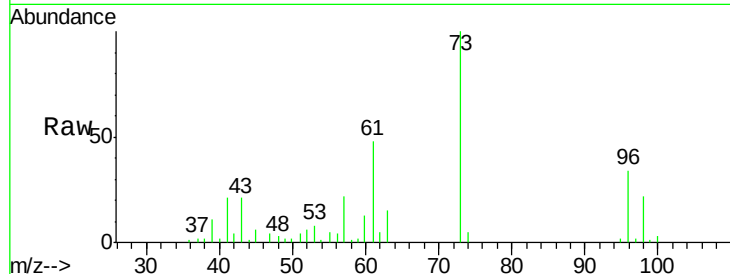
#19
Methvl tert-butvl Ether
Concen: 19.689 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion: 73 Resp: 109434
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8

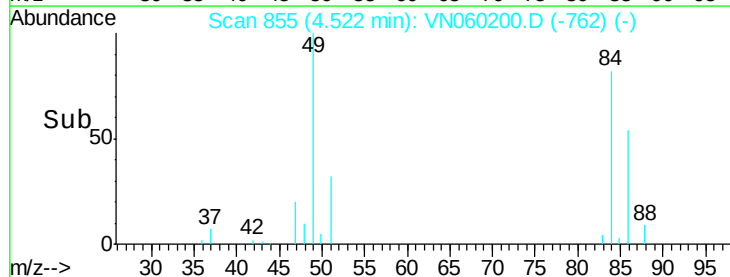
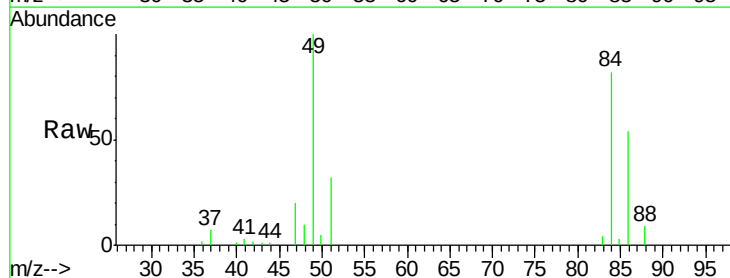
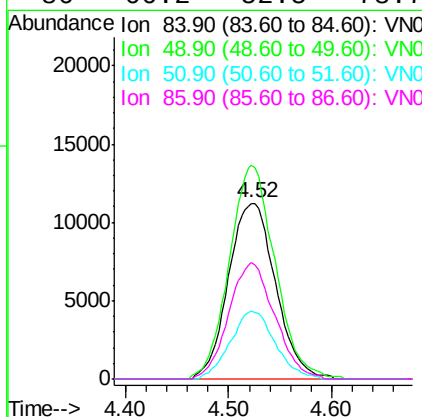
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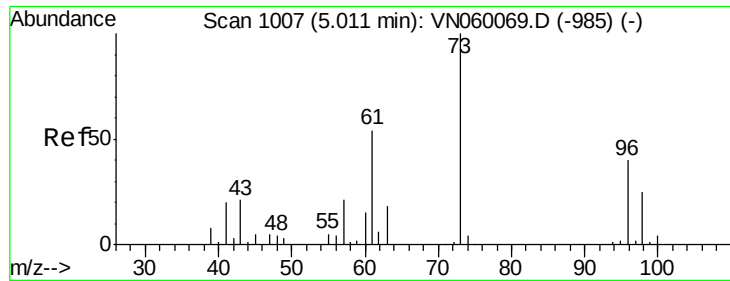
MMDadoda
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#20
Methylene Chloride
Concen: 19.285 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion: 84 Resp: 35699
Ion Ratio Lower Upper
84 100
49 121.5 93.4 140.0
51 38.4 28.4 42.6
86 66.2 52.5 78.7





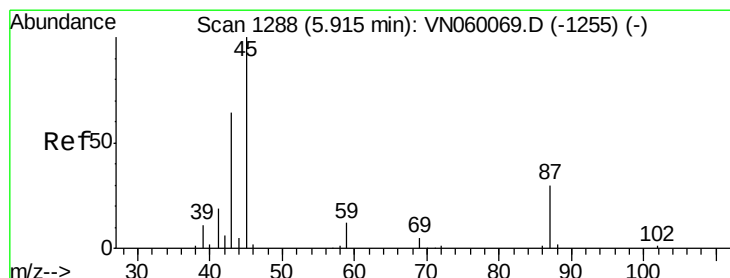
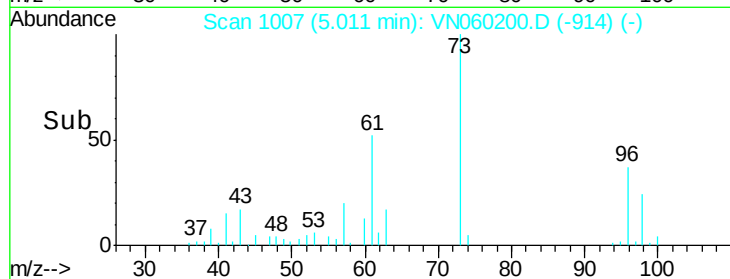
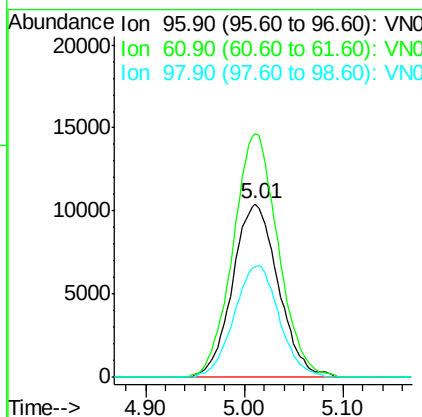
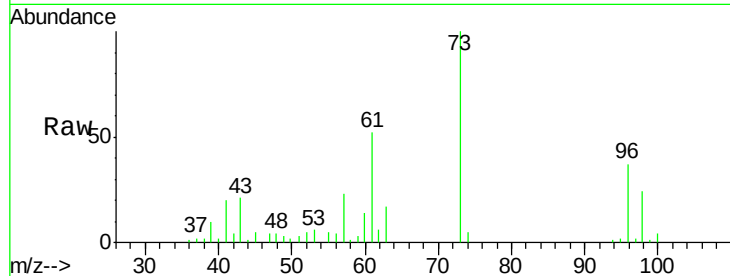
#21
trans-1,2-Dichloroethene
Concen: 18.563 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	109.3	163.9
98	64.0	51.0	76.6

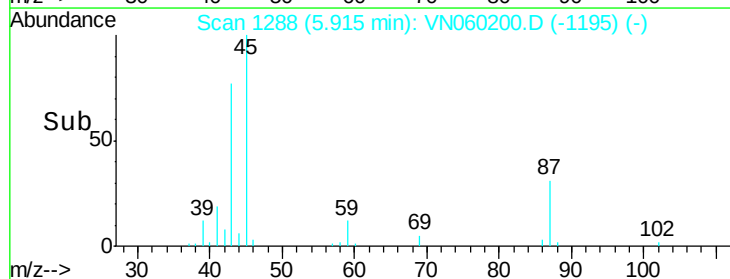
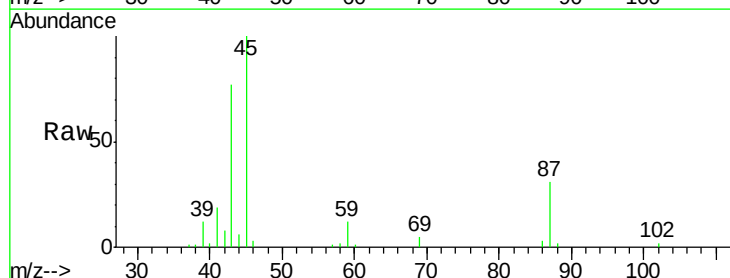
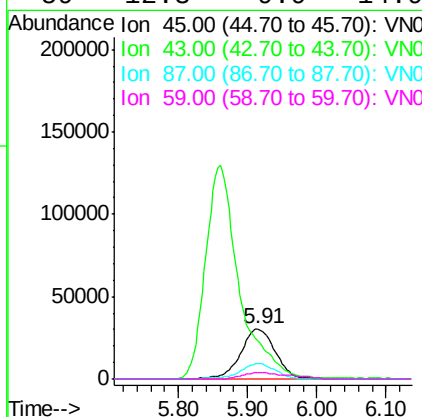
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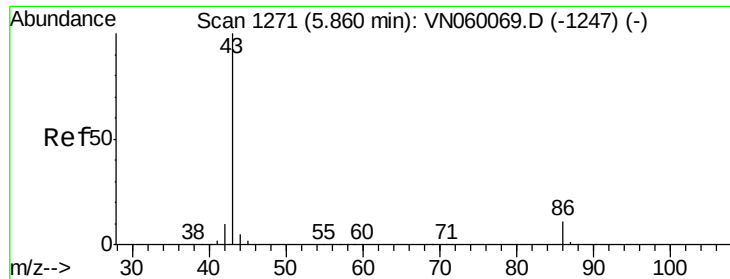
MMDadoda
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#22
Diisopropyl ether
Concen: 19.807 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	55.9	83.9
87	31.0	24.5	36.7
59	12.3	9.9	14.9





#23

Vinyl Acetate

Concen: 98.105 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 43 Resp: 439216

Ion Ratio Lower Upper

43 100

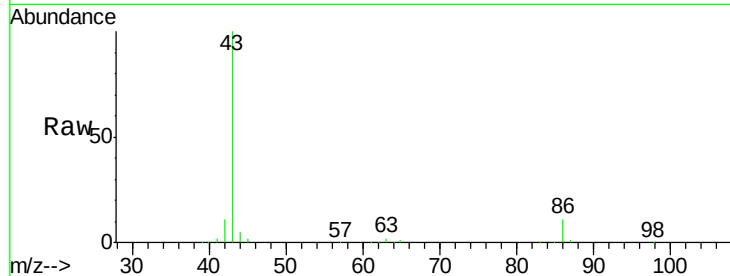
86 10.7 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

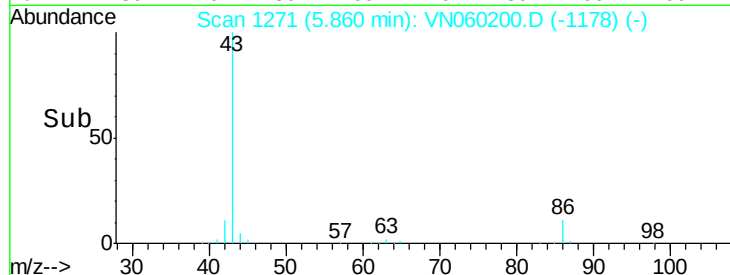
150000

100000

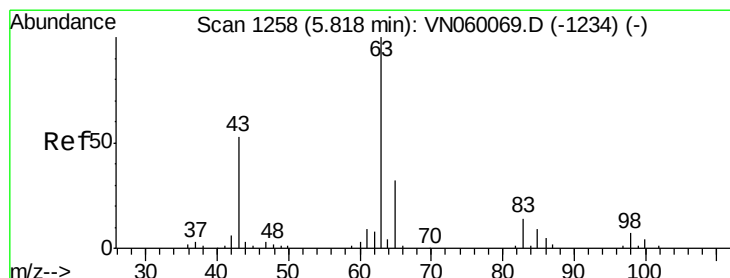
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 19.390 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

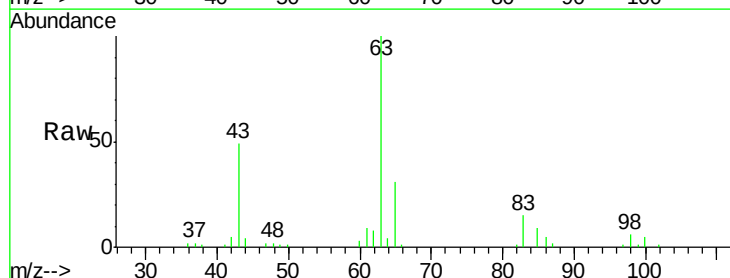
Tgt Ion: 63 Resp: 62622

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.6 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

25000

20000

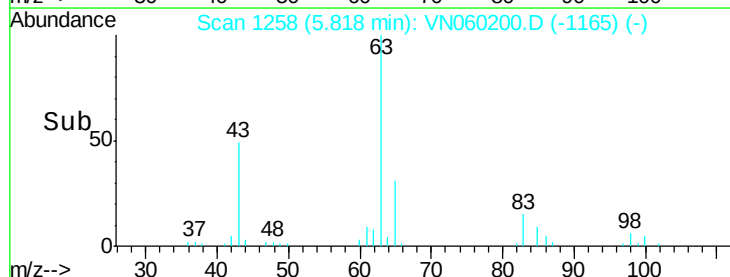
15000

10000

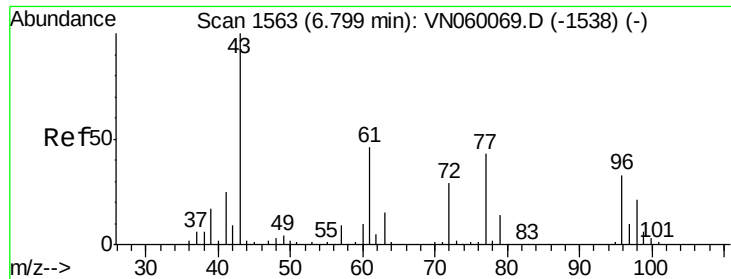
5000

0

Time-->



Time-->



#25

2-Butanone

Concen: 90.554 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 43 Resp: 105669

Ion Ratio Lower Upper

43 100

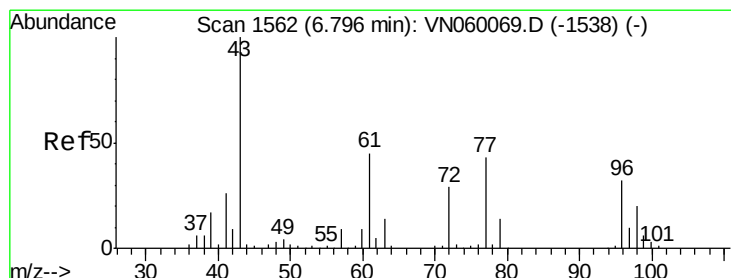
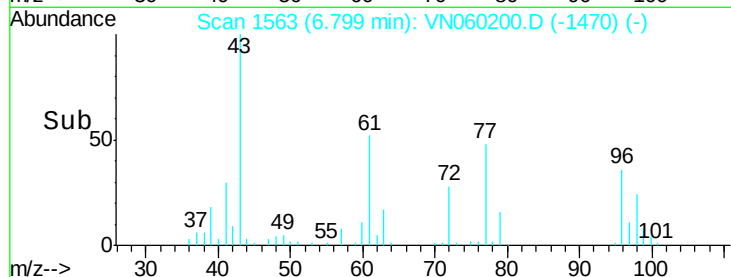
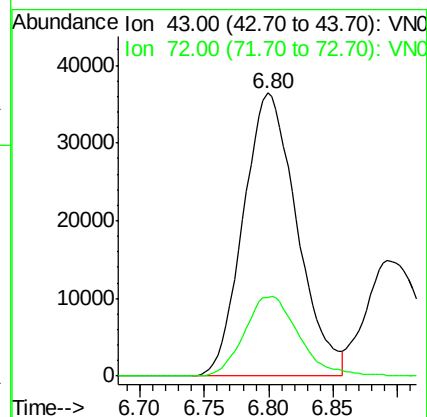
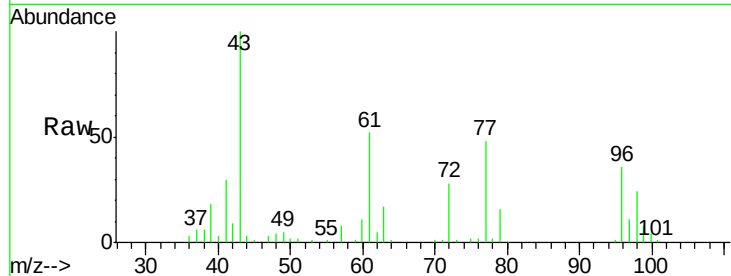
72 28.0 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.701 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060200.D

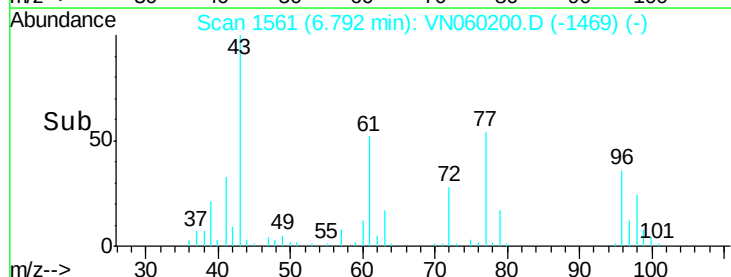
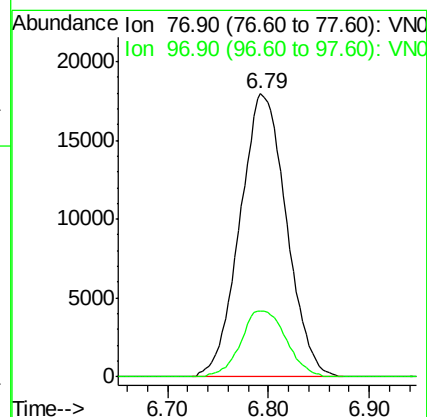
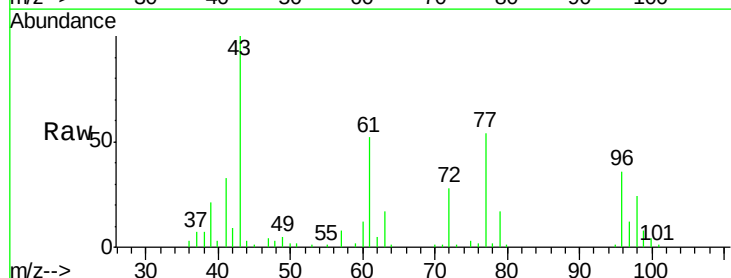
Acq: 24 Feb 2020 11:30

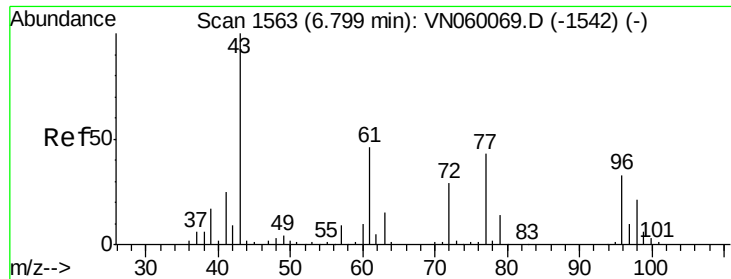
Tgt Ion: 77 Resp: 57367

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.568 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

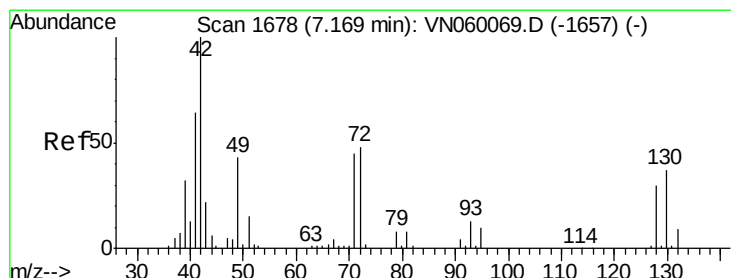
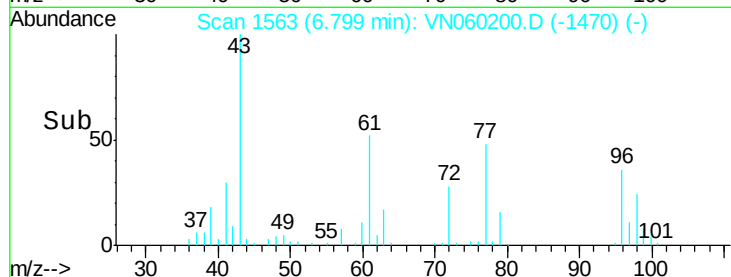
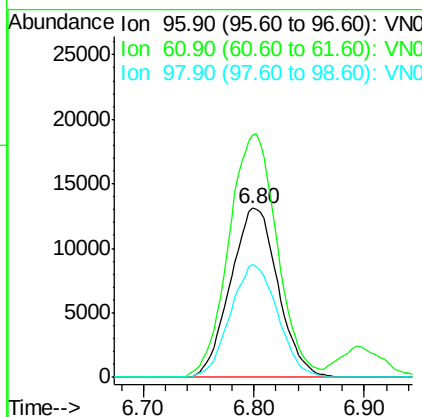
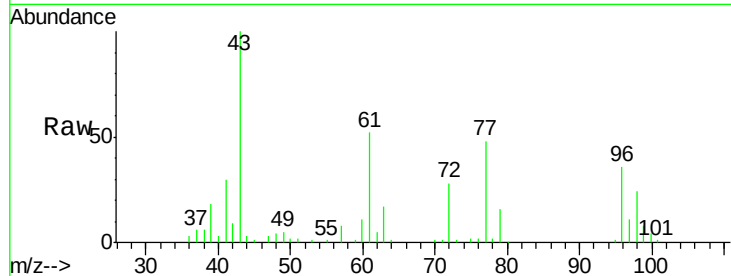
ClientSampleId :

VN0224WBSD01

Tot Ion:	96	Resp:	39149
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	285.8
98	66.1	0.0	129.6

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#28

Bromochloromethane

Concen: 20.775 ug/l

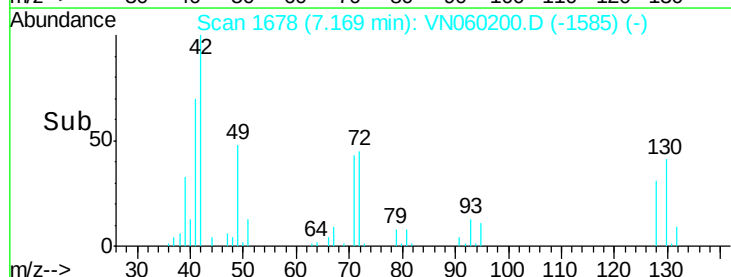
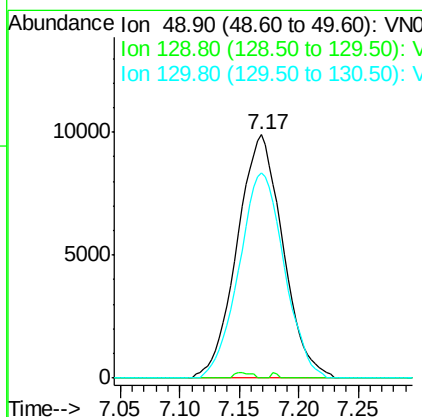
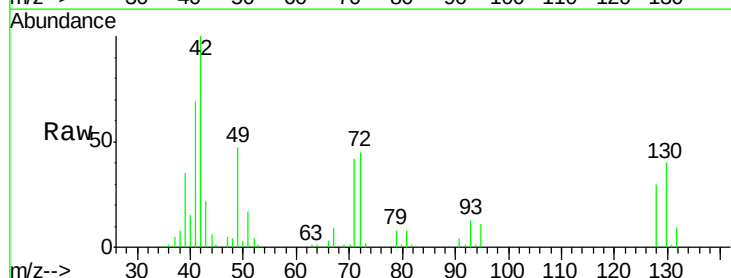
RT: 7.17 min Scan# 1678

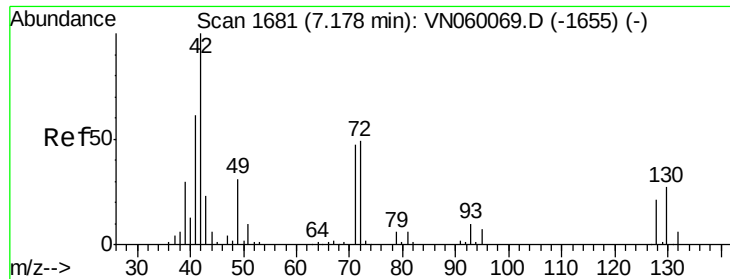
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	49	Resp:	26377
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.2
130	83.2	66.8	100.2





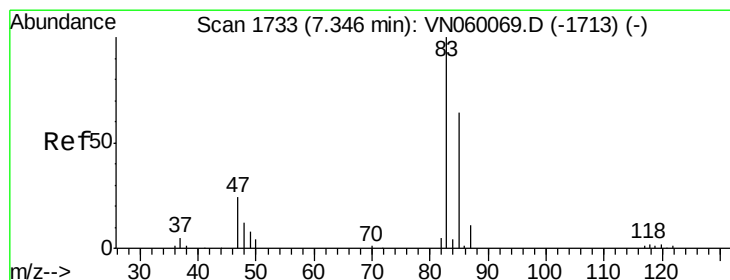
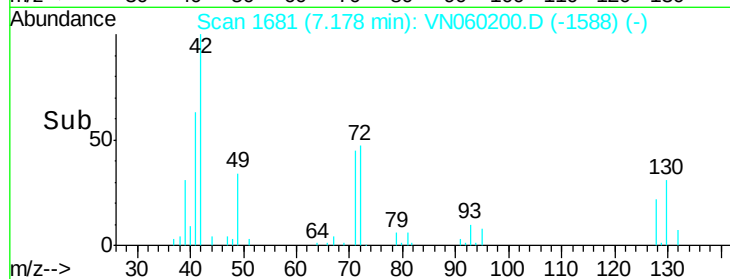
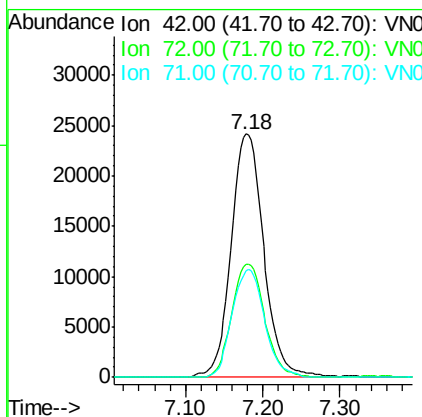
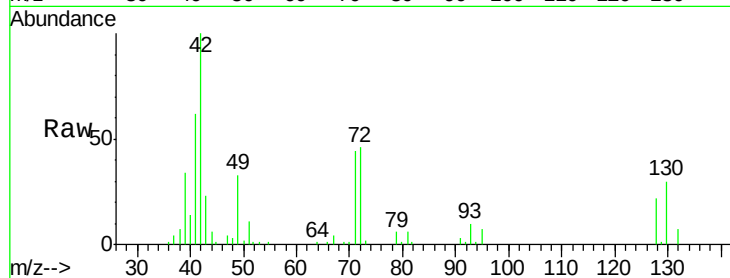
#29
Tetrahydrofuran
Concen: 98.858 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.4
71	44.1	36.6	54.8

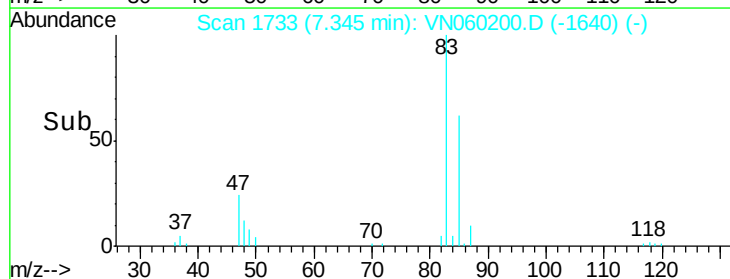
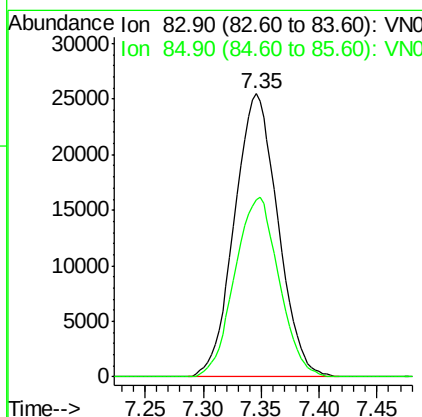
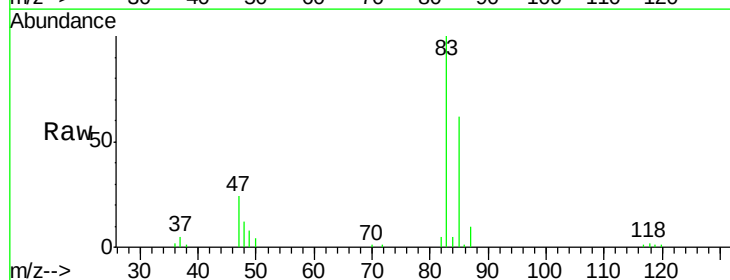
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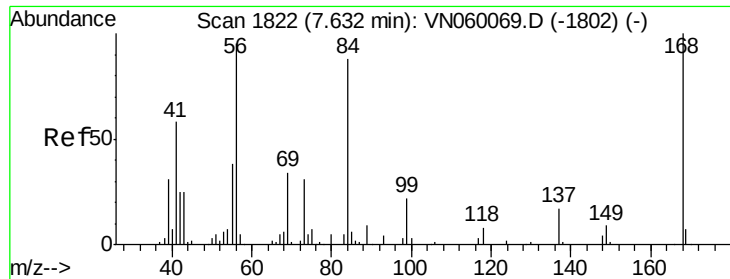
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#30
Chloroform
Concen: 19.649 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.0





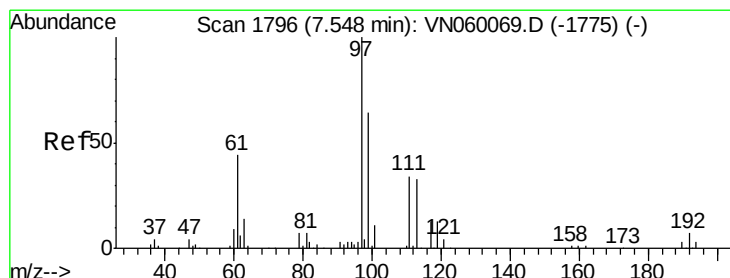
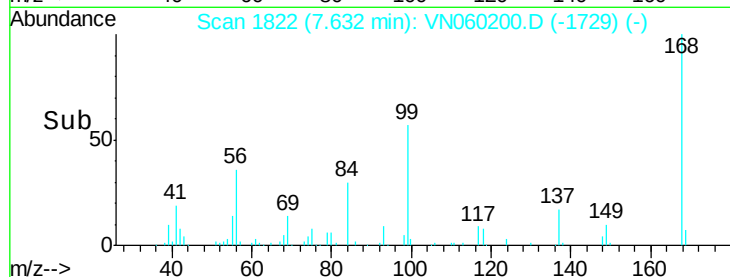
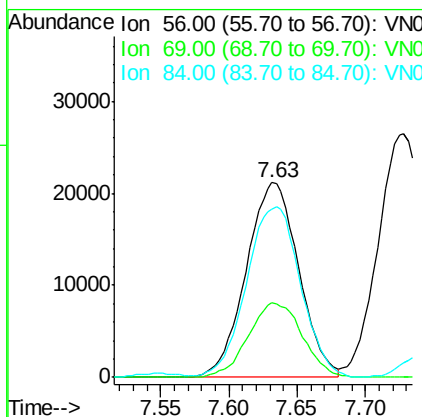
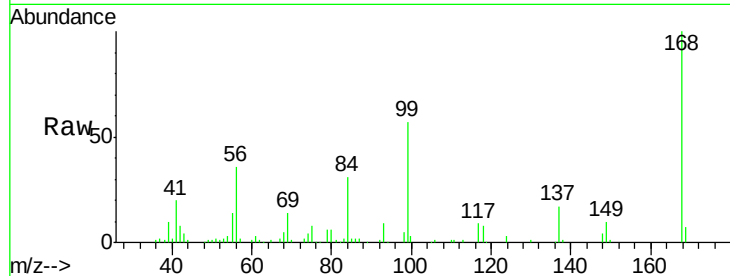
#31
Cyclohexane
Concen: 18.795 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	28.3	42.5
84	85.5	72.6	108.8

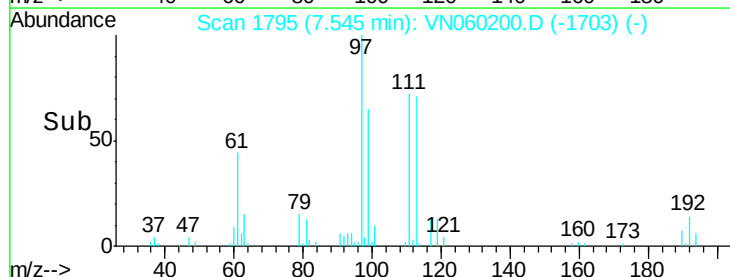
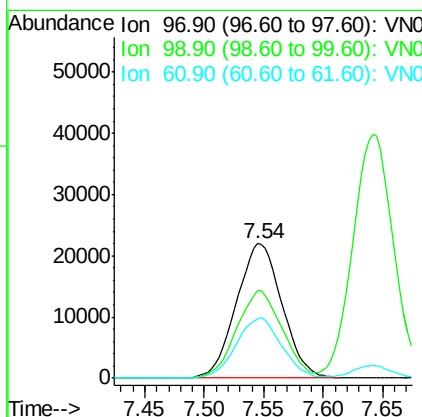
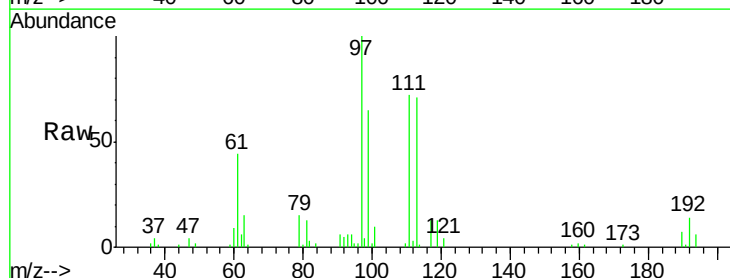
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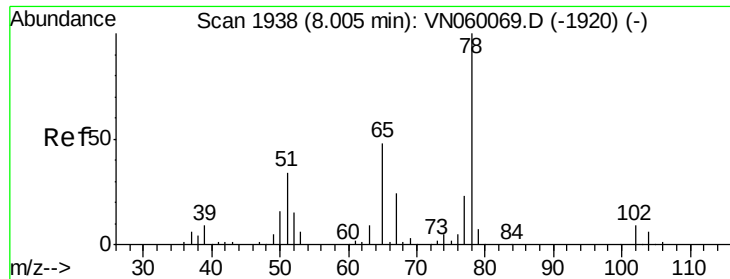
MMDadoda
2/25/2020 9:43:22 AM



#32
1,1,1-Trichloroethane
Concen: 18.887 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.4	34.9	52.3





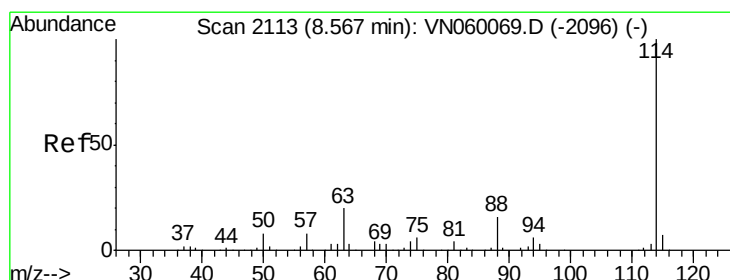
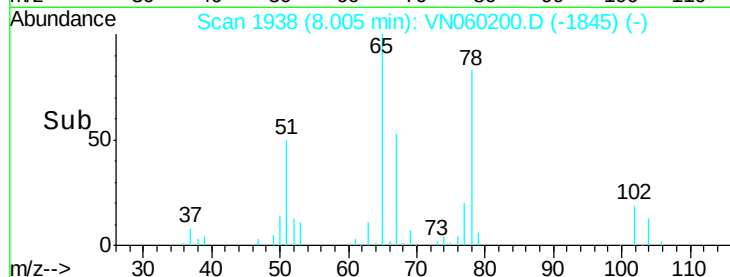
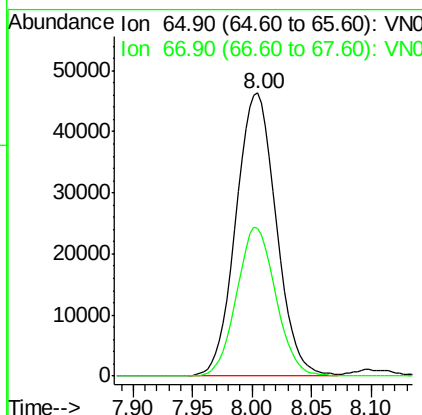
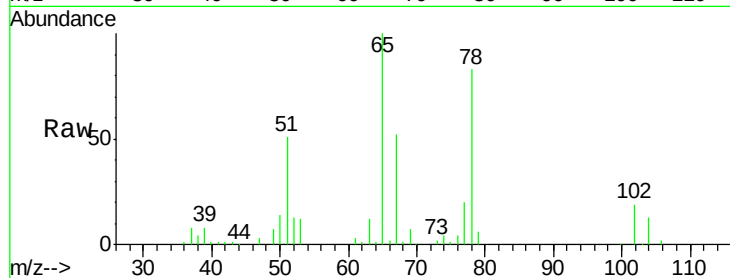
#33
 1,2-Dichloroethane-d4
 Concen: 51.184 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108874		
67	51.0	0.0	104.0	

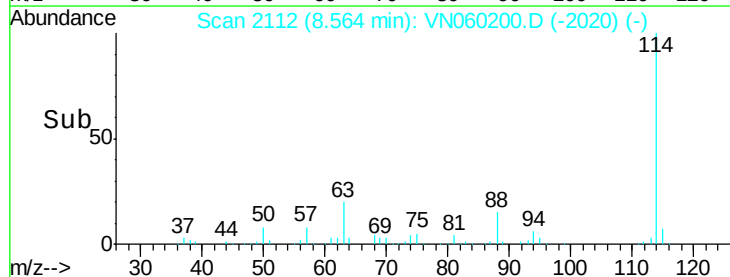
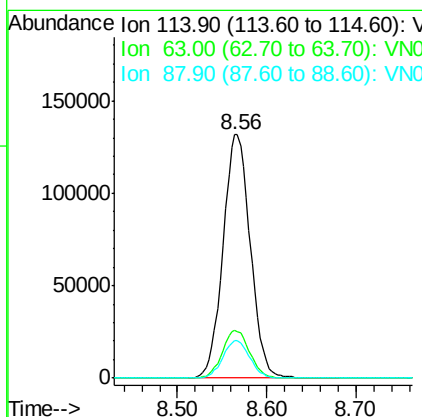
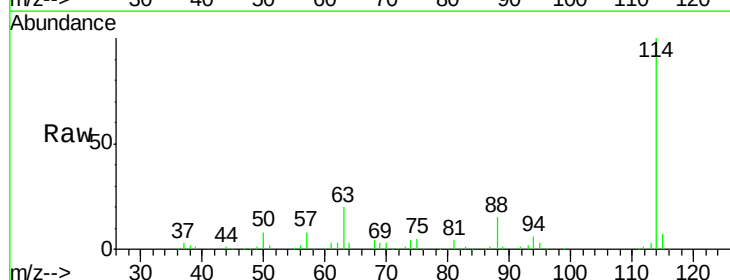
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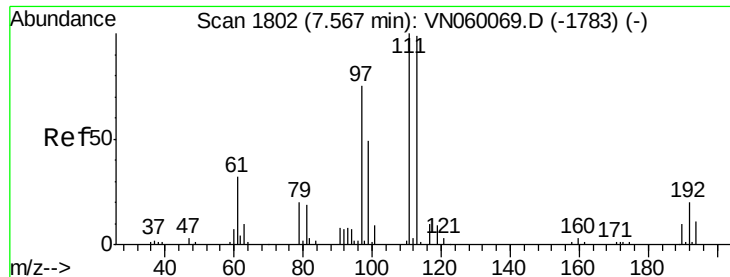
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	277922		
63	19.7	0.0	40.0	
88	15.4	0.0	31.6	





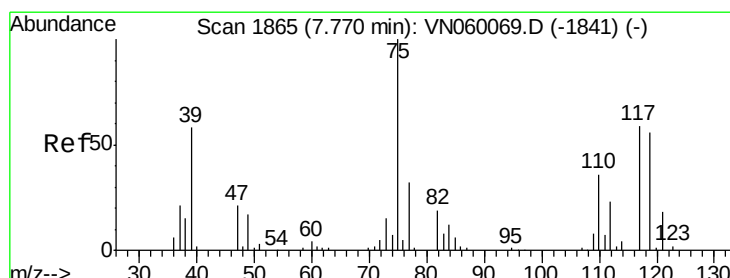
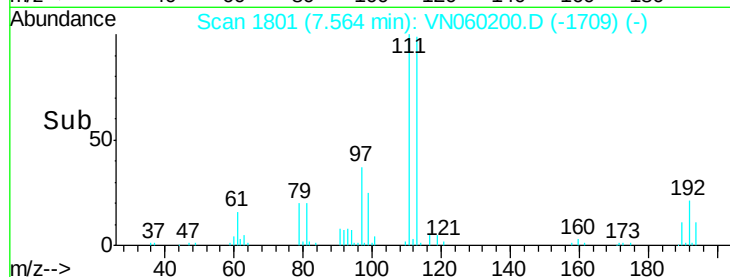
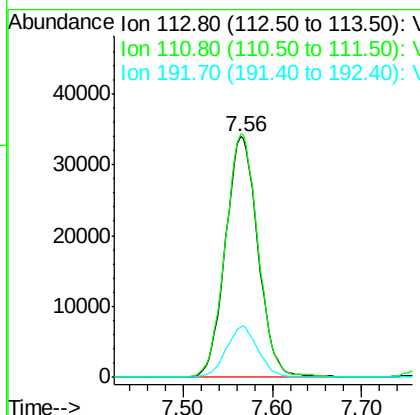
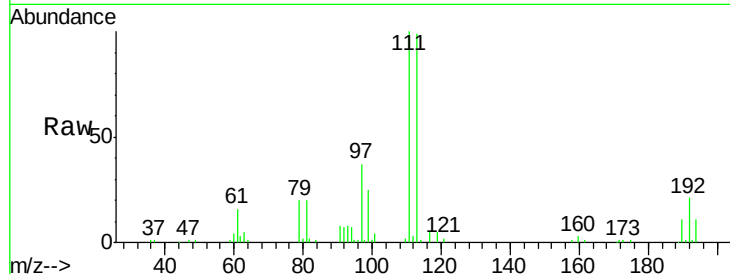
#35
 Dibromofluoromethane
 Concen: 50.239 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	20.6	16.2	24.2

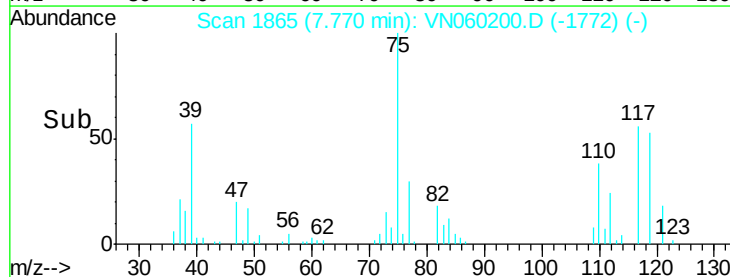
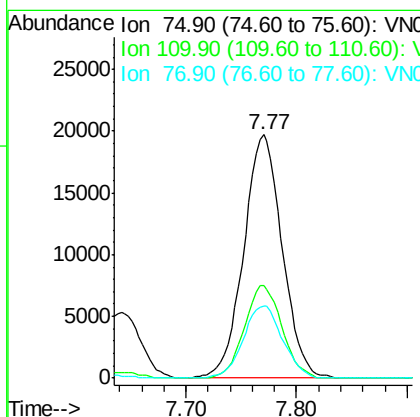
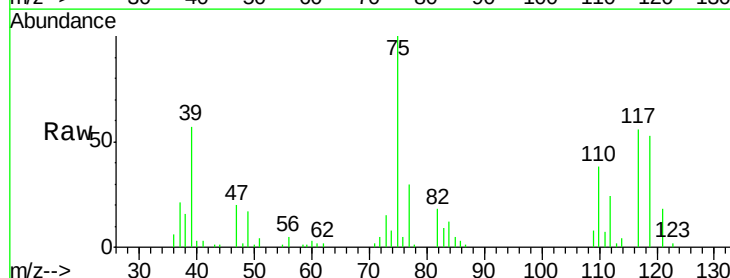
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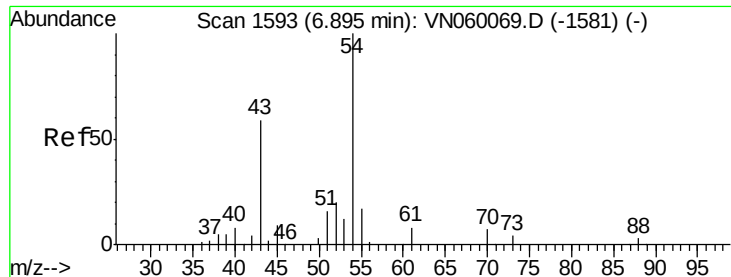
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#36
 1,1-Dichloropropene
 Concen: 18.510 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.3
77	30.3	25.1	37.7





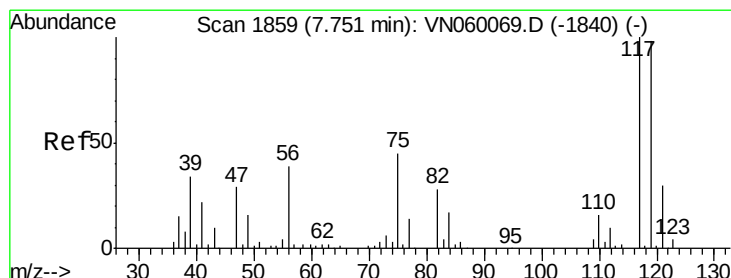
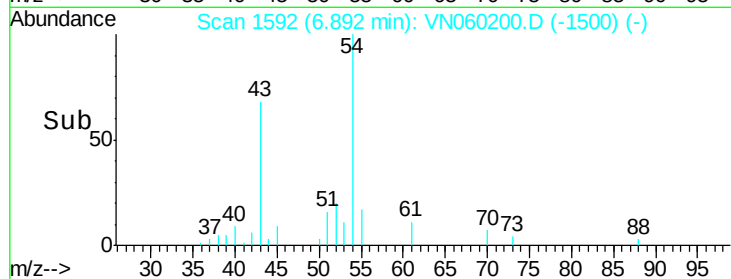
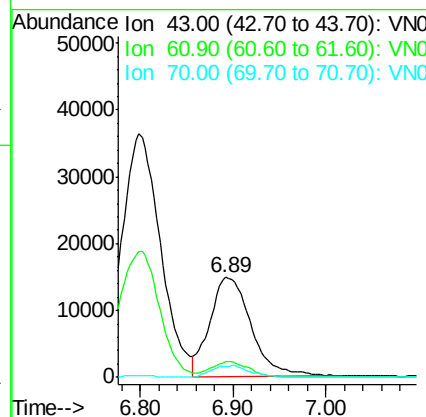
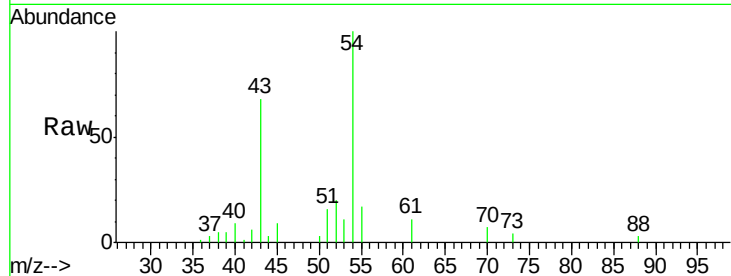
#37
Ethyl Acetate
Concen: 19.677 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.5	8.7	13.1

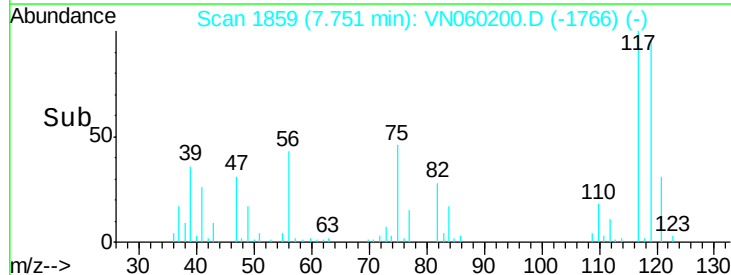
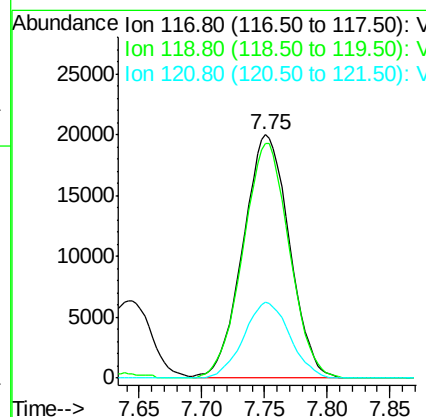
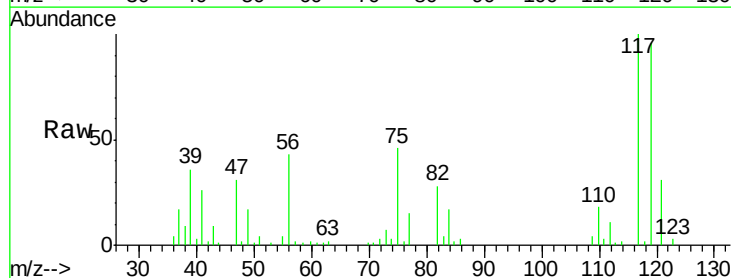
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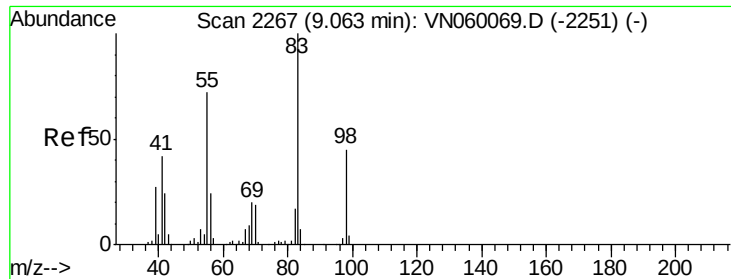
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#38
Carbon Tetrachloride
Concen: 18.406 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.2	117.4
121	31.1	24.2	36.2





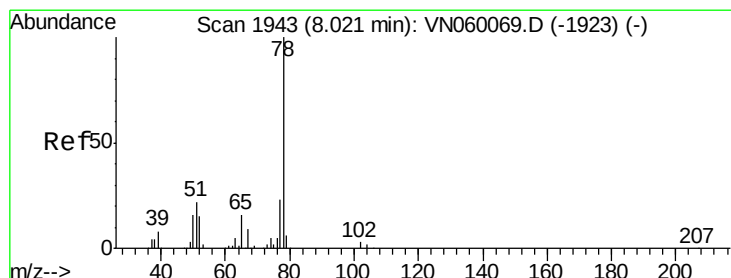
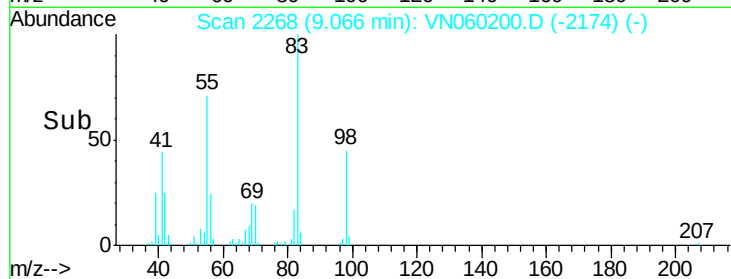
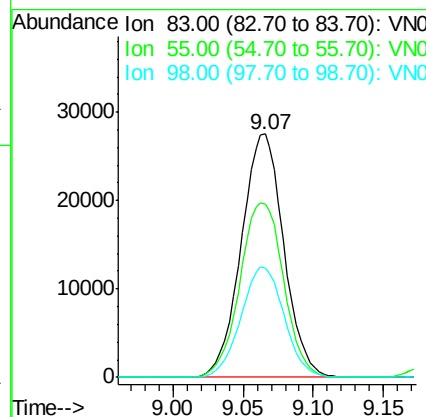
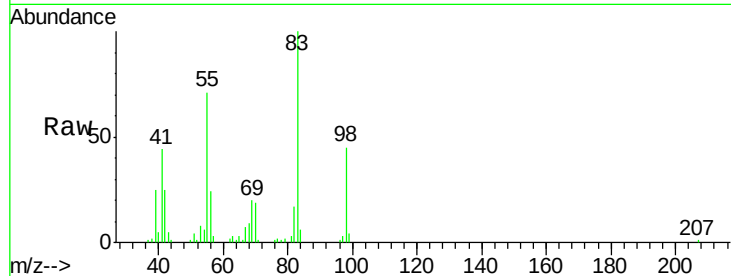
#39
Methylvlcyclohexane
Concen: 18.154 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.8	86.8
98	45.1	36.4	54.6

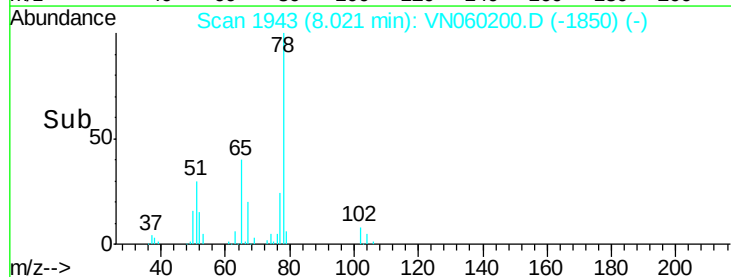
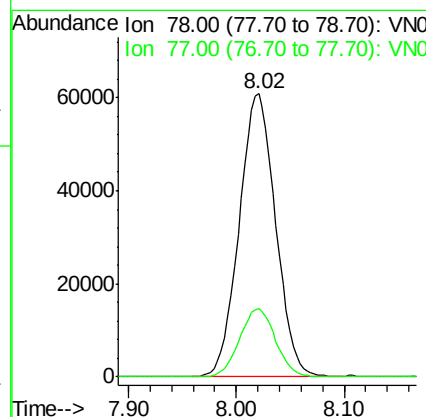
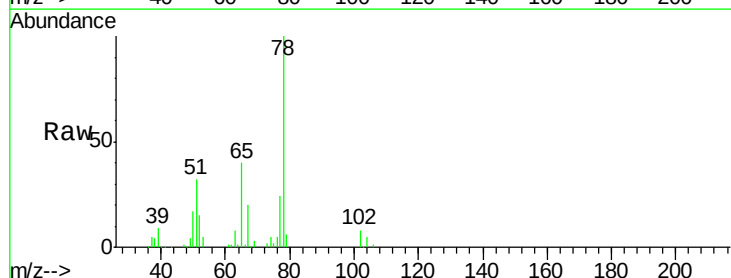
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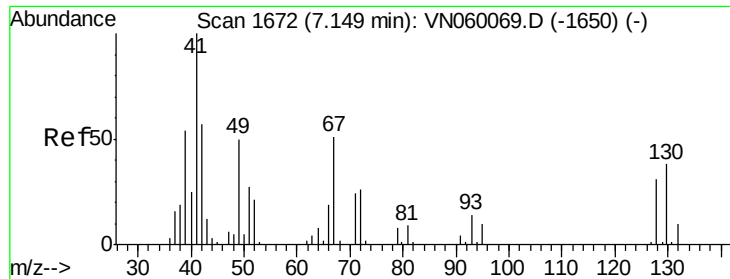
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#40
Benzene
Concen: 18.711 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





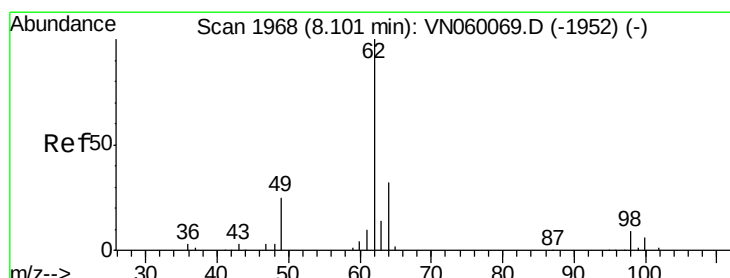
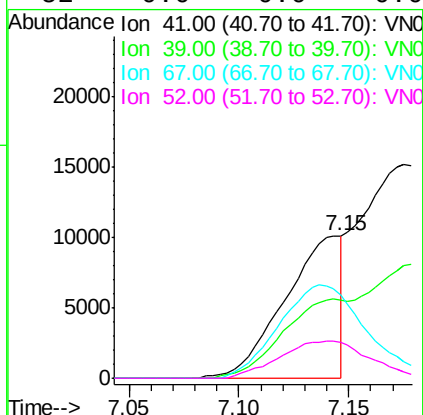
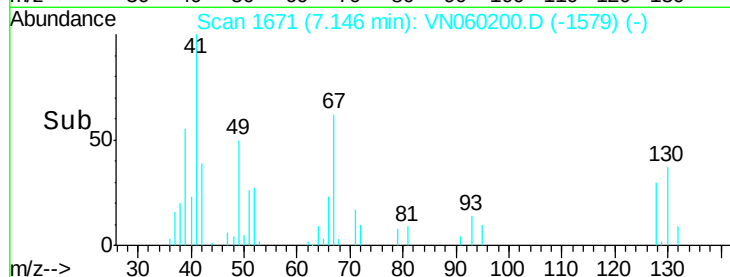
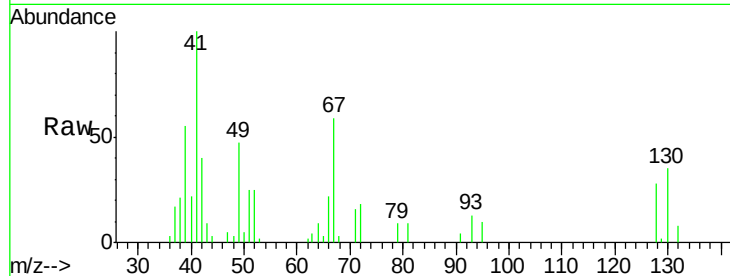
#41
Methacrylonitrile
Concen: 18.506 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	41	Resp	18056
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

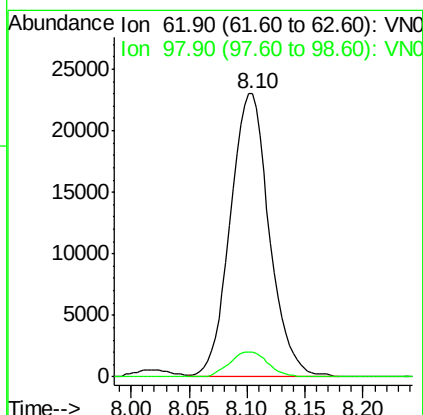
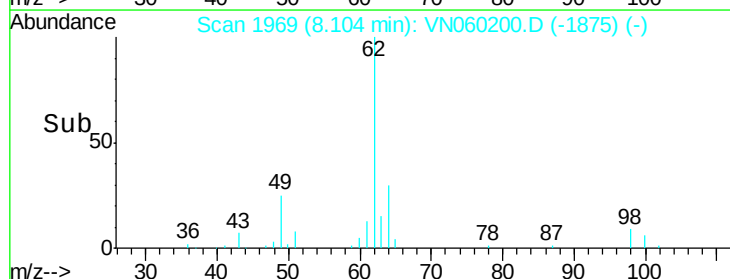
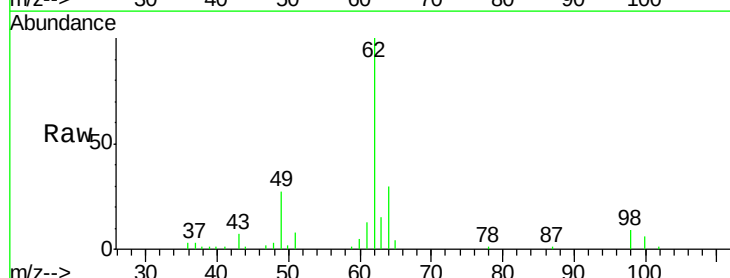
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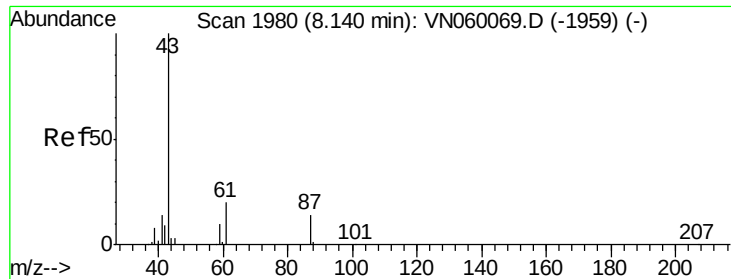
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2/25/2020 9:43:22 AM



#42
1,2-Dichloroethane
Concen: 20.062 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	62	Resp	53693
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.740 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

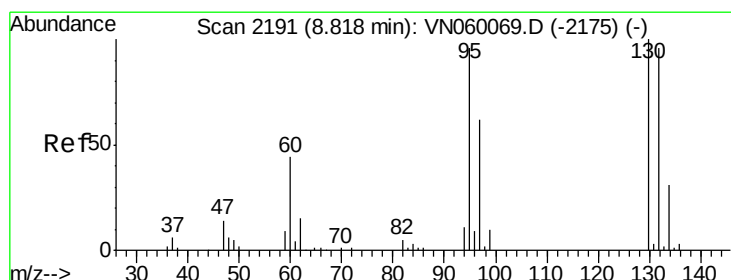
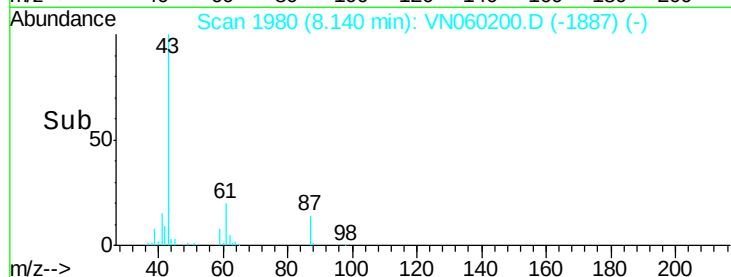
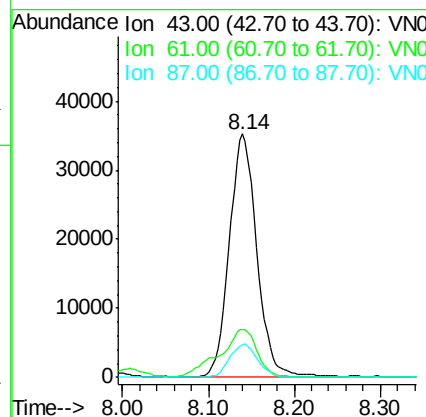
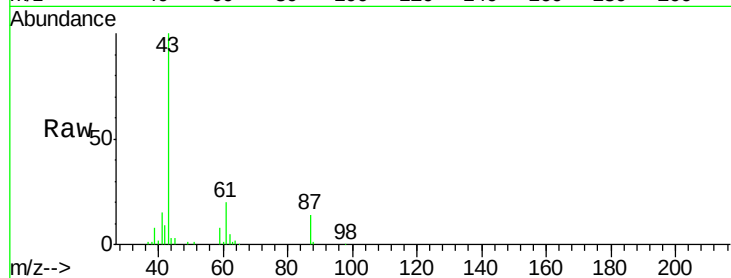
ClientSampleId :

VN0224WBSD01

Tot Ion:	43	Resp:	78507
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.8	32.6
87	13.7	11.4	17.2

Manual Integrations
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2/25/2020 9:43:22 AM



#44

Trichloroethene

Concen: 18.453 ug/l

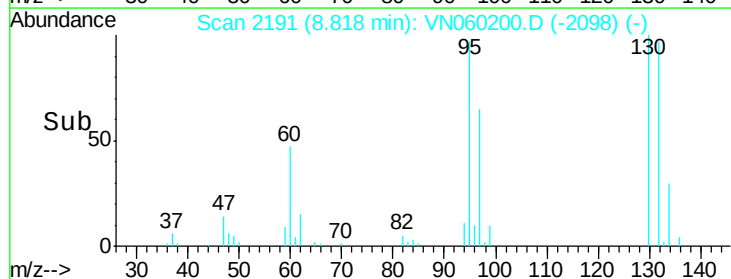
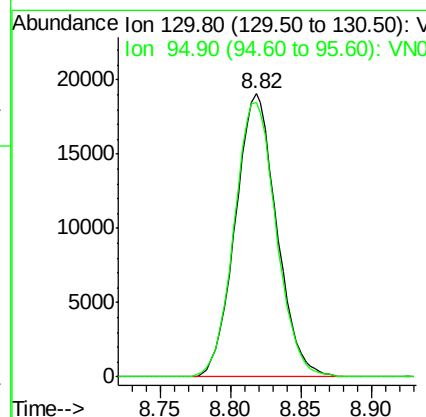
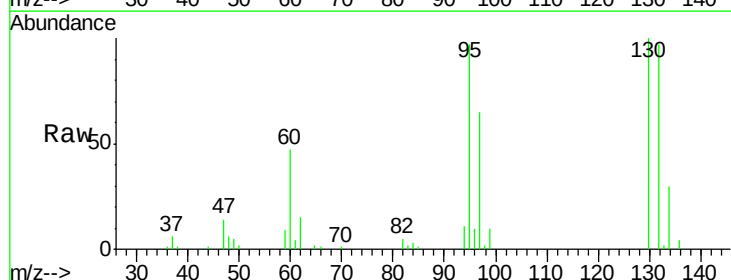
RT: 8.82 min Scan# 2191

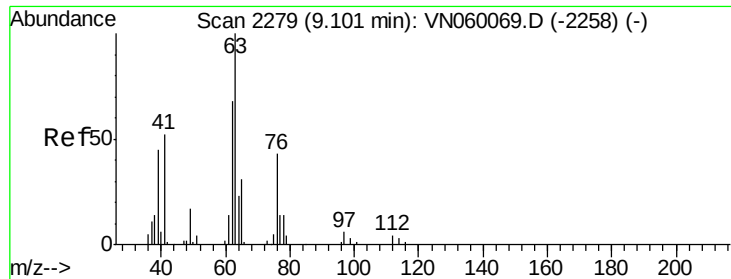
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	130	Resp:	39018
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.4





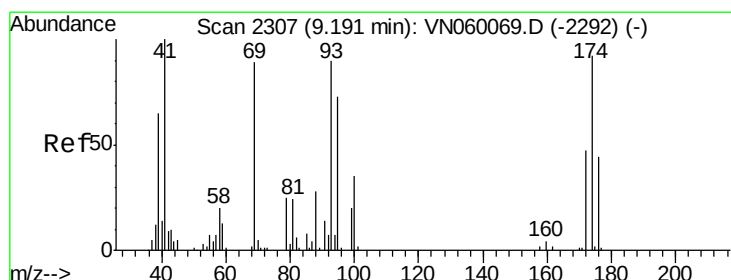
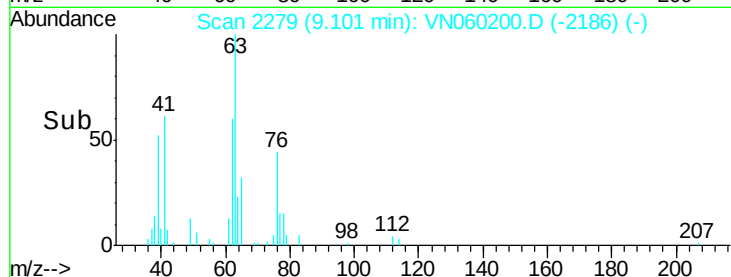
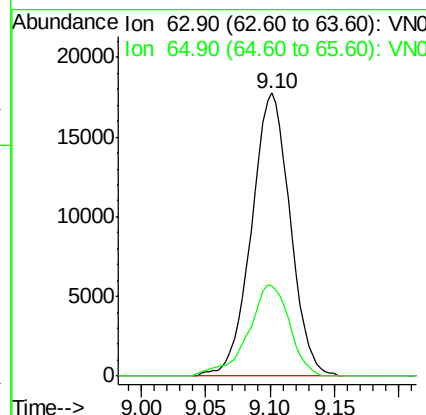
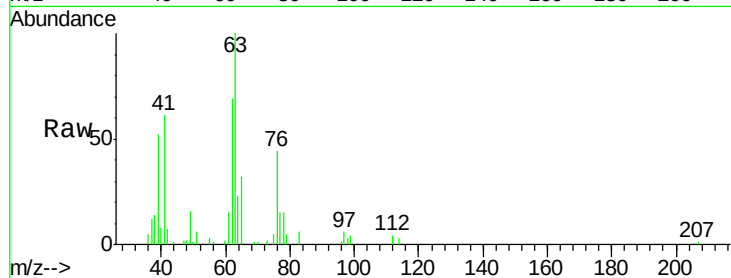
#45
 1,2-Dichloropropane
 Concen: 19.637 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion: 63 Resp: 37123
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

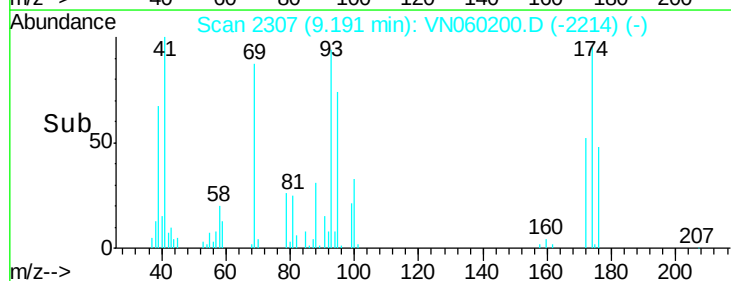
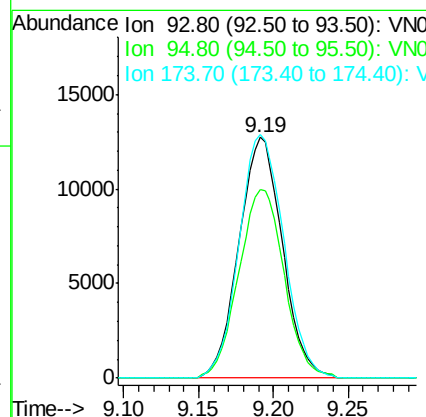
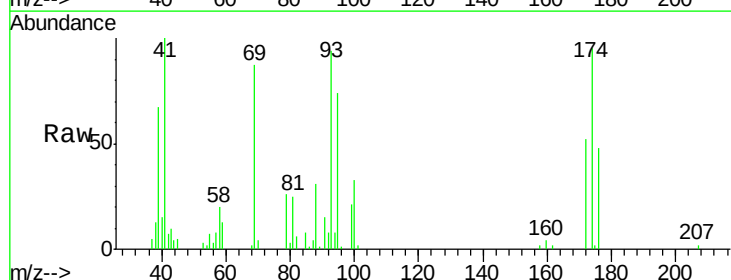
Manual Integrations
 APPROVED

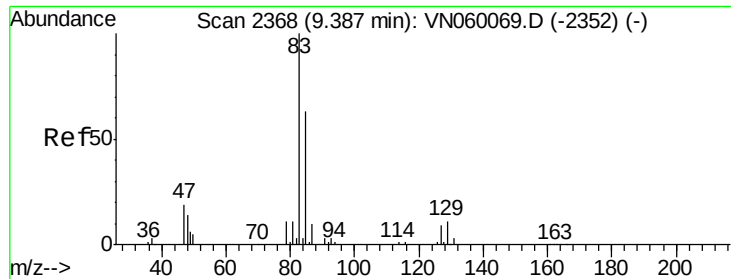
MMDadoda
 2/25/2020 9:43:22 AM



#46
 Dibromomethane
 Concen: 19.269 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion: 93 Resp: 25743
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.0 97.6
 174 103.9 82.3 123.5





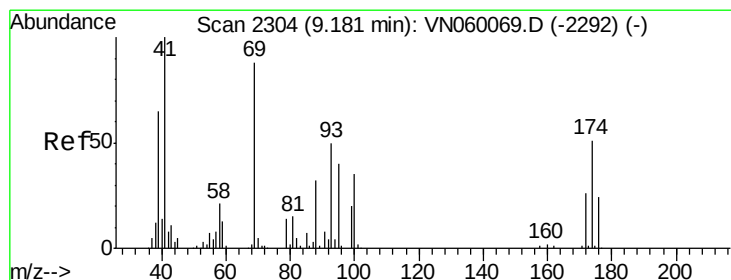
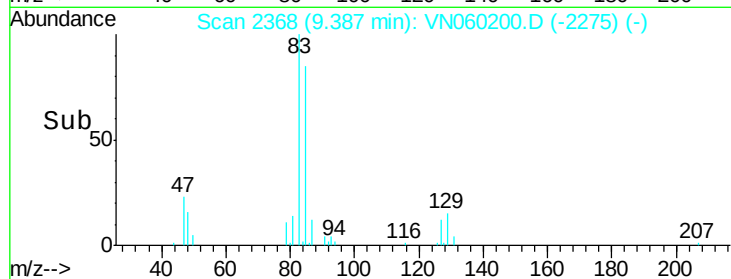
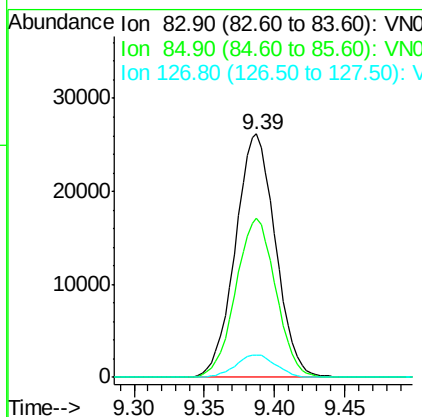
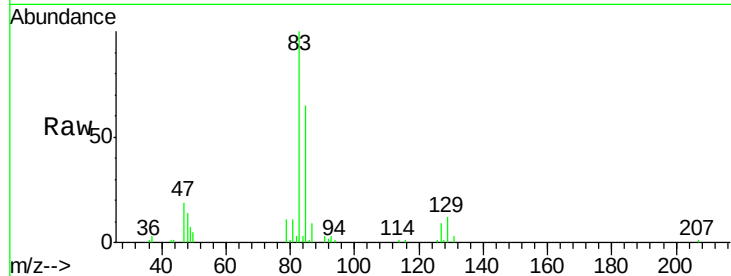
#47
Bromodichloromethane
Concen: 19.190 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	75.8
127	9.1	7.0	10.6

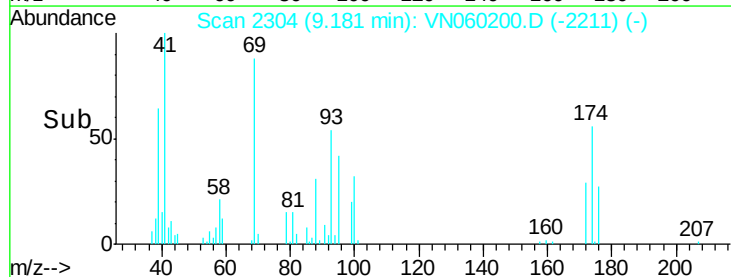
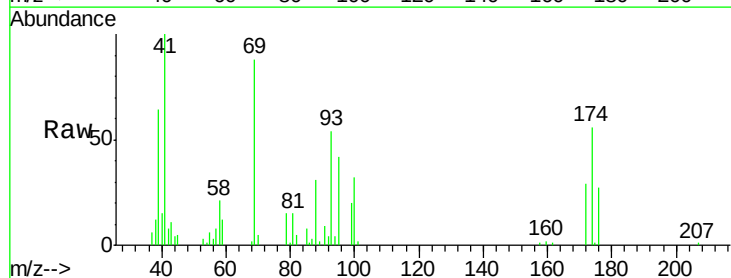
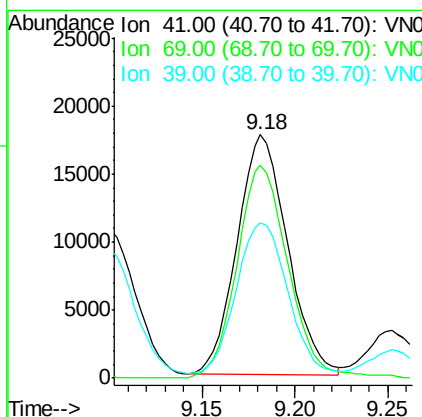
Manual Integrations
APPROVED

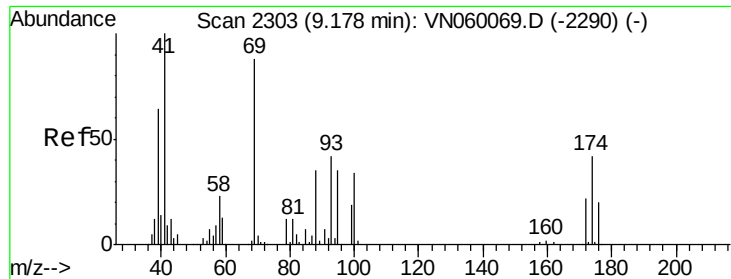
MMDadoda
2/25/2020 9:43:22 AM



#48
Methyl methacrylate
Concen: 18.760 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	72.0	108.0
39	67.9	54.1	81.1





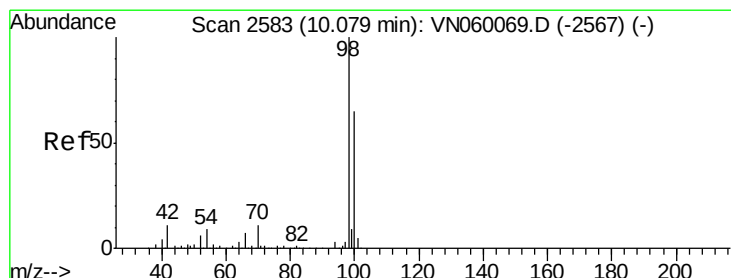
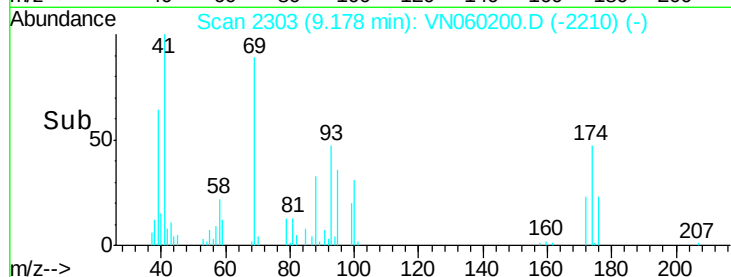
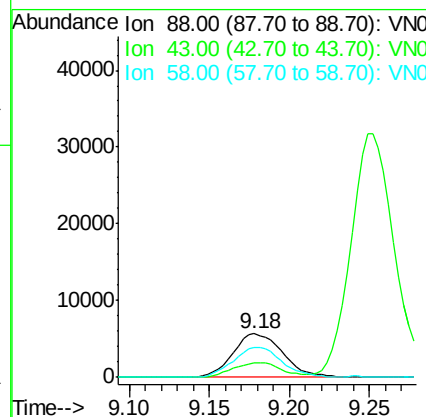
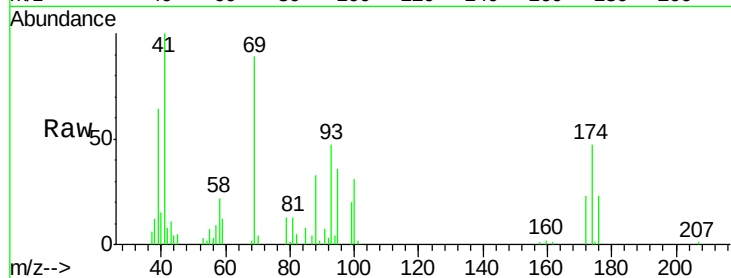
#49
1,4-Dioxane
Concen: 396.561 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	88	Resp	12090
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.2
58	66.7	53.2	79.8

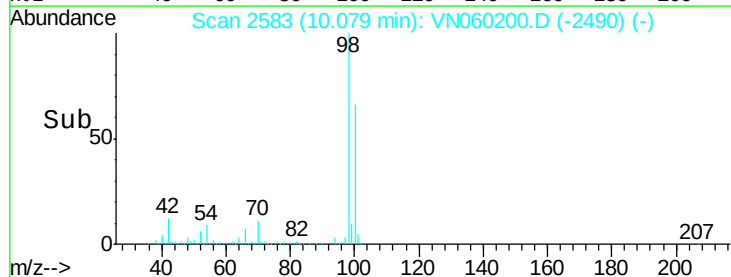
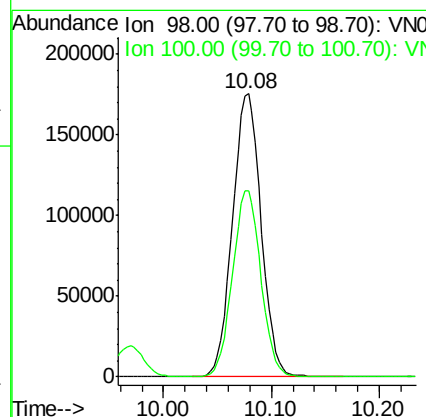
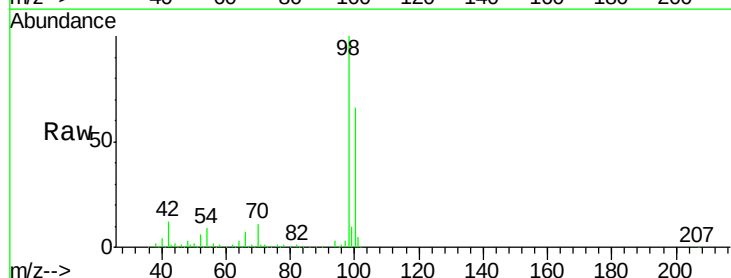
Manual Integrations
APPROVED

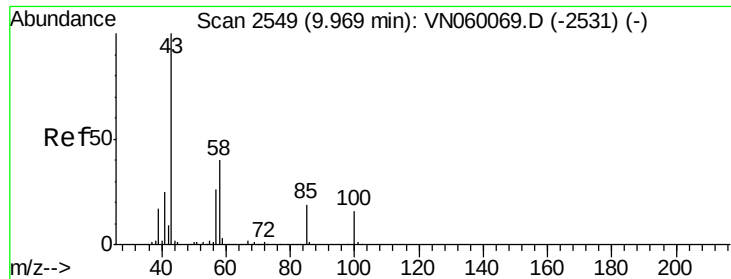
MMDadoda
2/25/2020 9:43:22 AM



#50
Toluene-d8
Concen: 48.298 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	98	Resp	324930
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.294 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 43 Resp: 223965

Ion Ratio Lower Upper

43 100

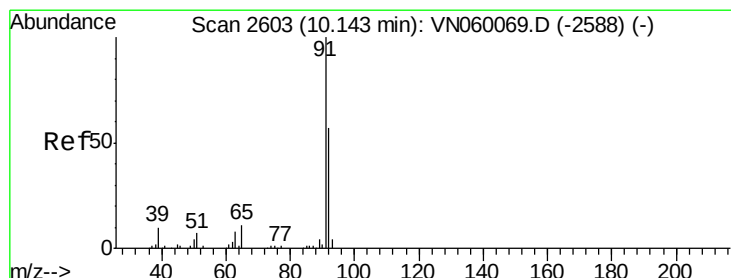
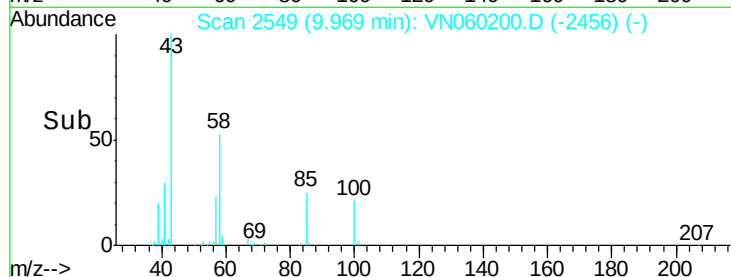
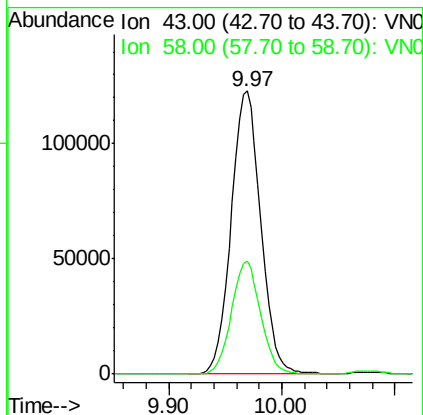
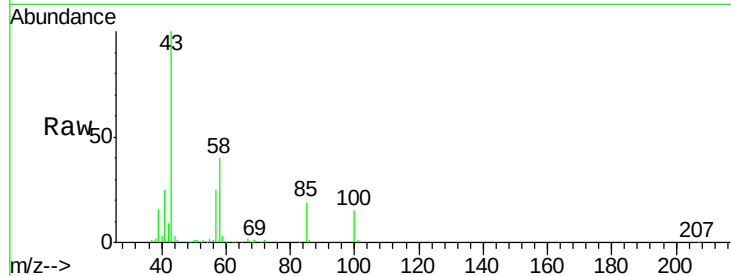
58 39.3 31.8 47.8

Manual Integrations

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MMDadoda

2/25/2020 9:43:22 AM



#52

Toluene

Concen: 18.761 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060200.D

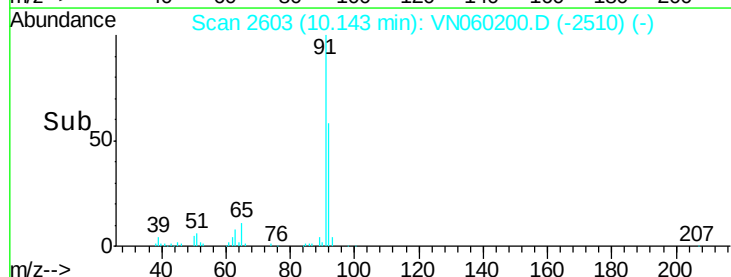
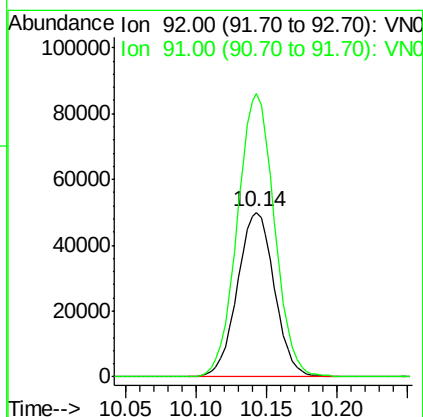
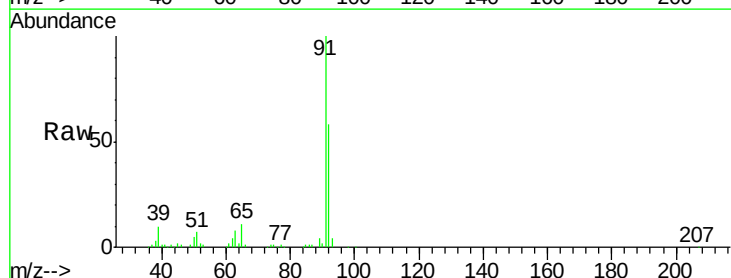
Acq: 24 Feb 2020 11:30

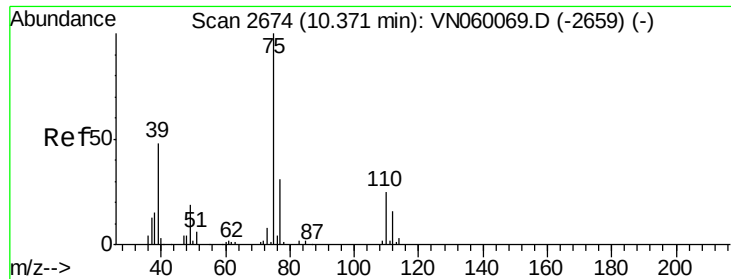
Tgt Ion: 92 Resp: 91867

Ion Ratio Lower Upper

92 100

91 172.4 140.9 211.3





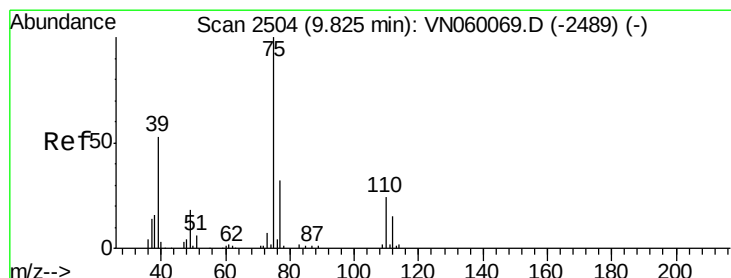
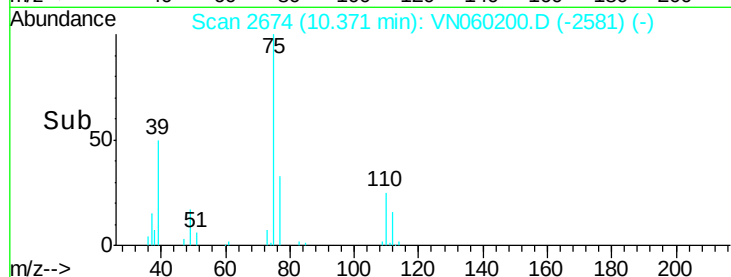
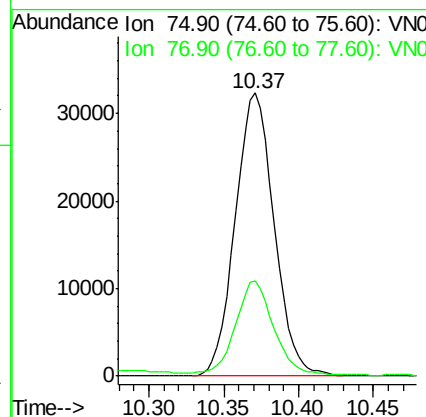
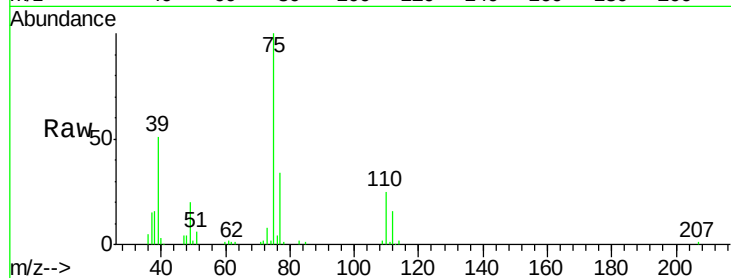
#53
t-1,3-Dichloropropene
Concen: 19.092 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0

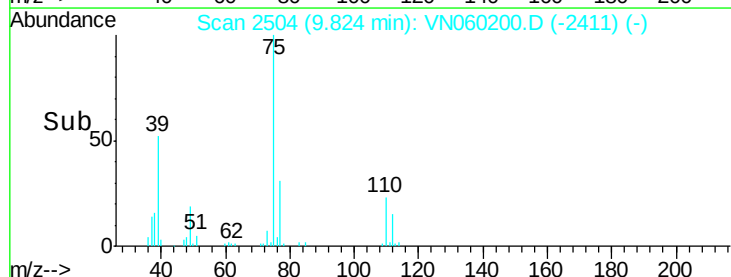
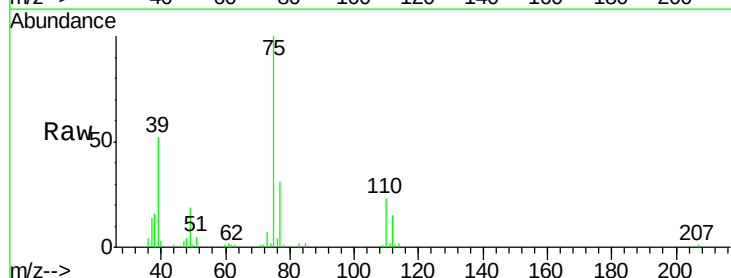
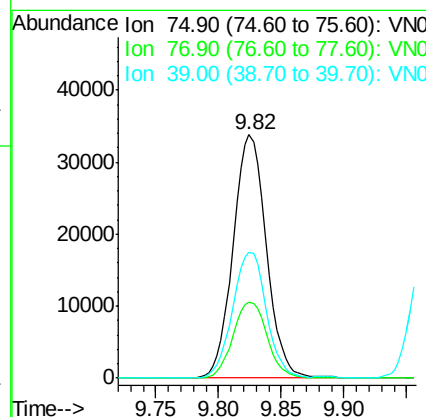
Manual Integrations
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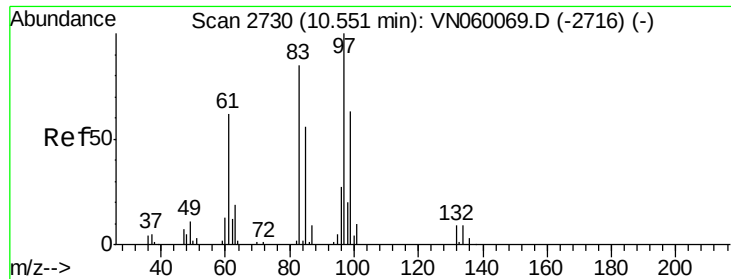
MMDadoda
2/25/2020 9:43:22 AM



#54
cis-1,3-Dichloropropene
Concen: 19.296 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	51.7	42.2	63.4





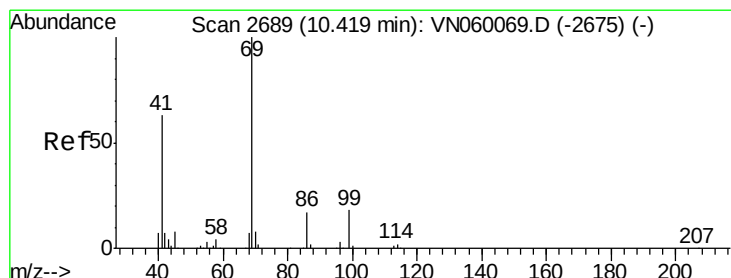
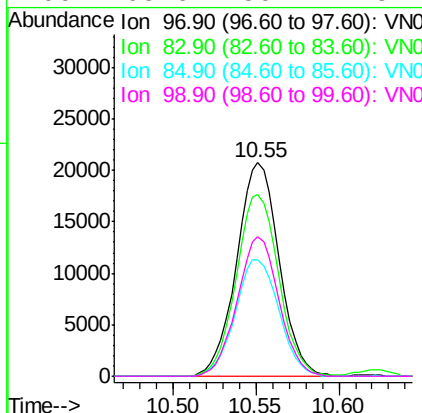
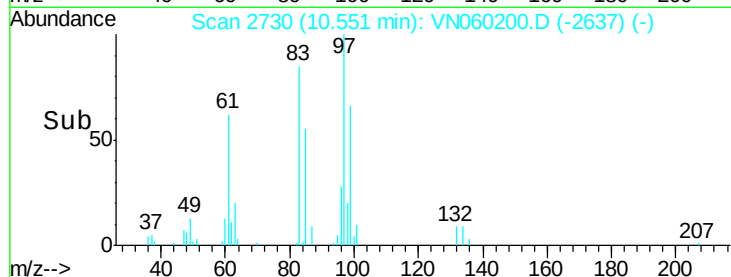
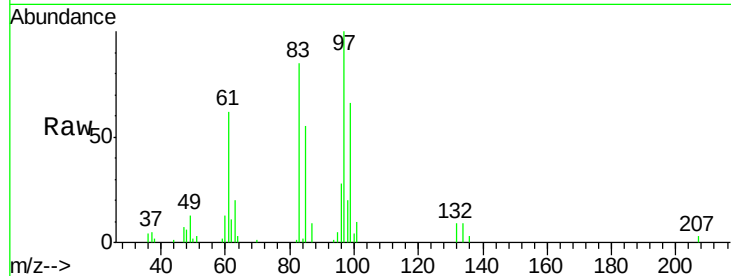
#55
 1,1,2-Trichloroethane
 Concen: 19.397 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion:	97	Resp:	37055
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.9	101.9
85	54.8	44.6	67.0
99	65.6	50.1	75.1

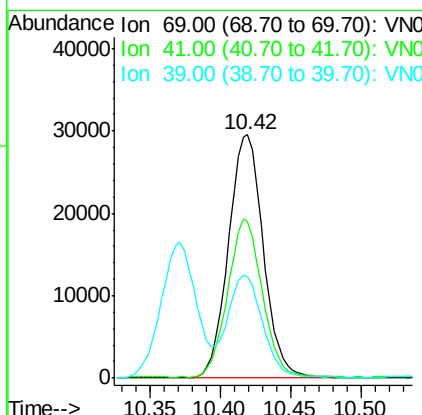
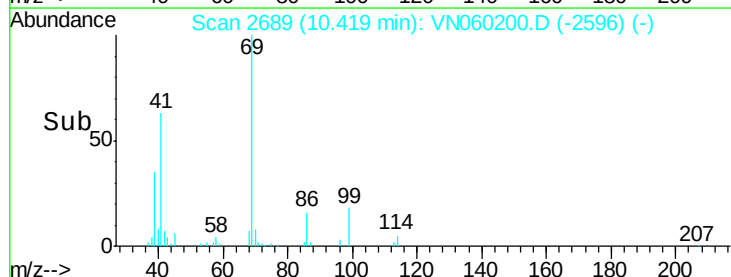
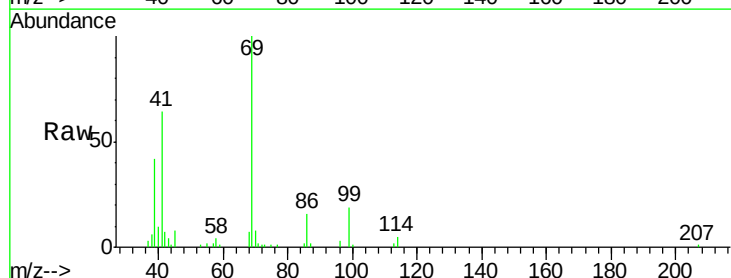
Manual Integrations
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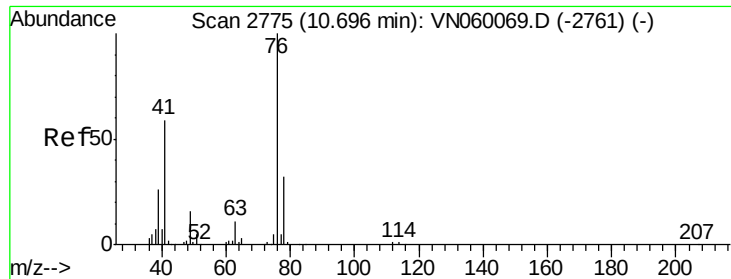
MMDadoda
 2/25/2020 9:43:22 AM



#56
 Ethyl methacrylate
 Concen: 18.947 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion:	69	Resp:	51203
Ion	Ratio	Lower	Upper
69	100		
41	65.5	51.1	76.7
39	42.1	33.8	50.8





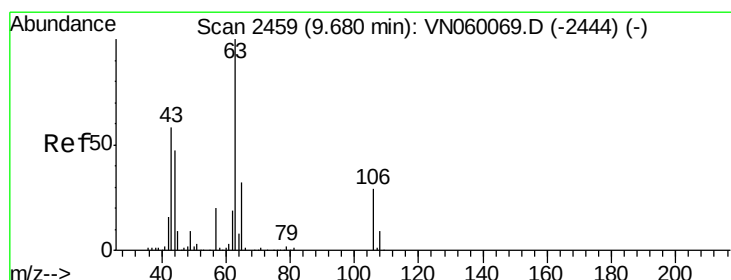
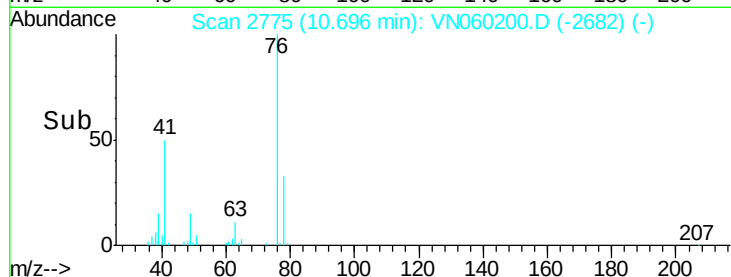
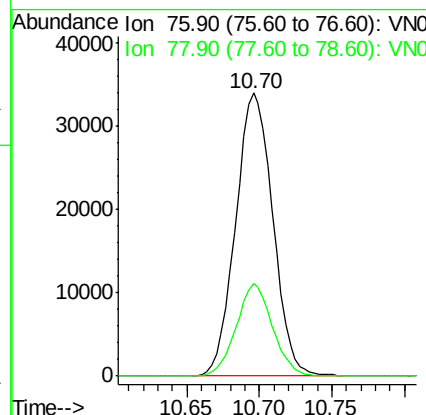
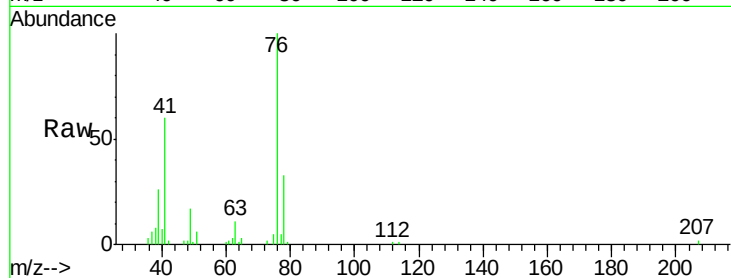
#57
 1,3-Dichloropropane
 Concen: 19.224 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.7	38.5

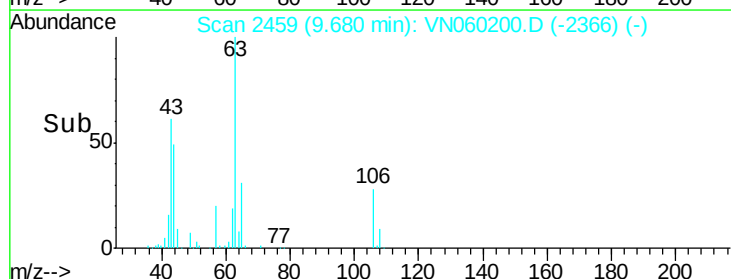
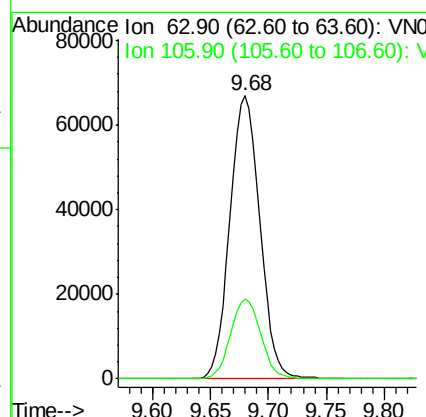
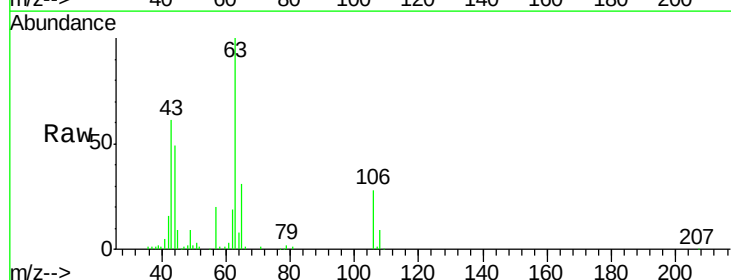
Manual Integrations
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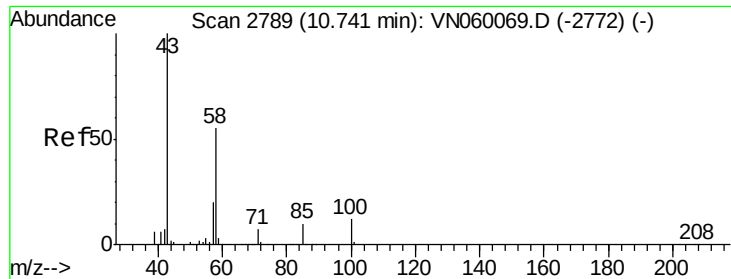
MMDadoda
 2/25/2020 9:43:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.231 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.9	34.3





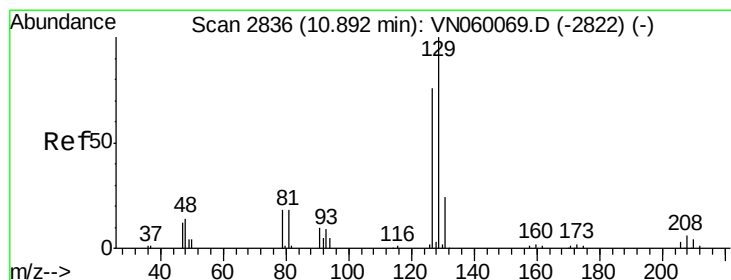
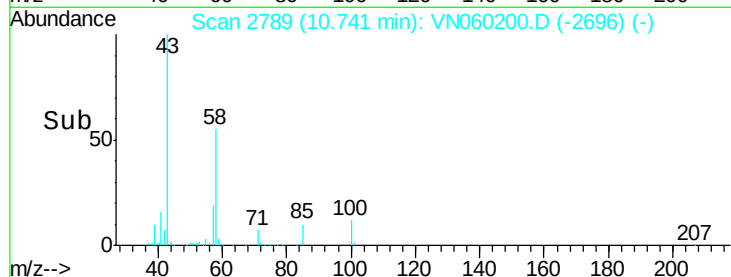
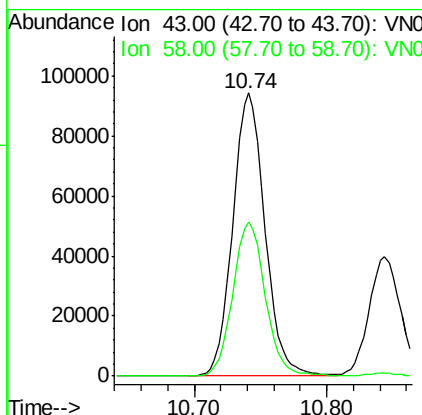
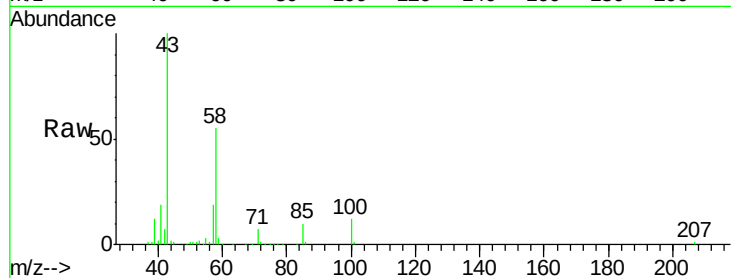
#59
2-Hexanone
Concen: 89.449 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion: 43 Resp: 159058
Ion Ratio Lower Upper
43 100
58 54.8 27.5 82.4

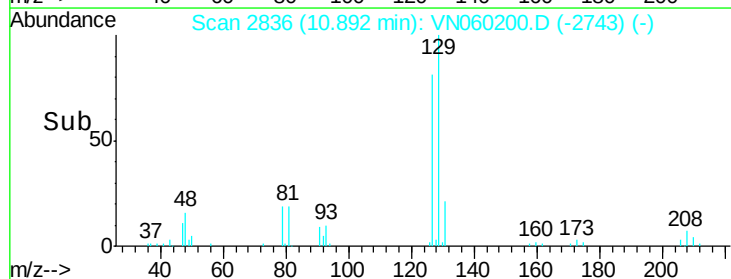
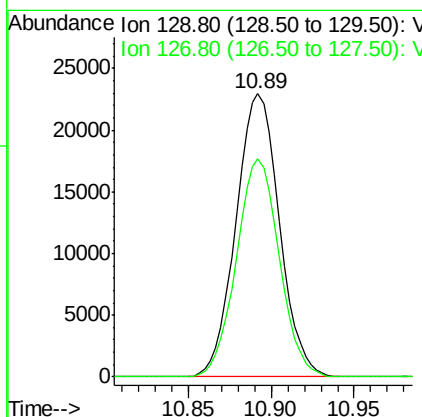
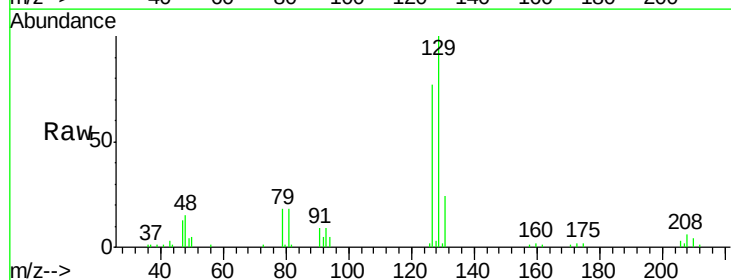
Manual Integrations
APPROVED

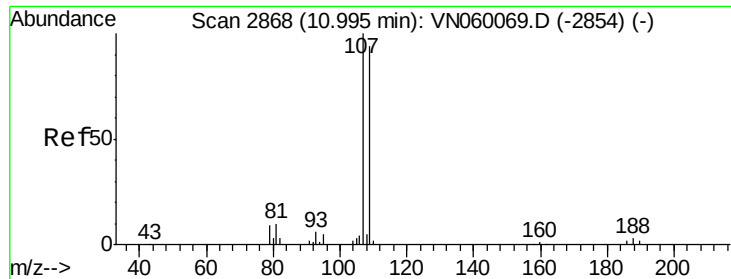
MMDadoda
2/25/2020 9:43:22 AM



#60
Dibromochloromethane
Concen: 19.089 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion: 129 Resp: 41847
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.296 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion:107 Resp: 38642

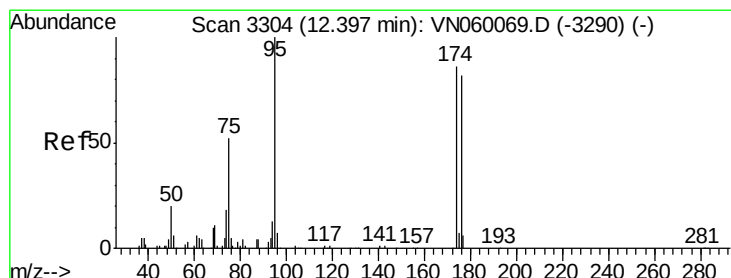
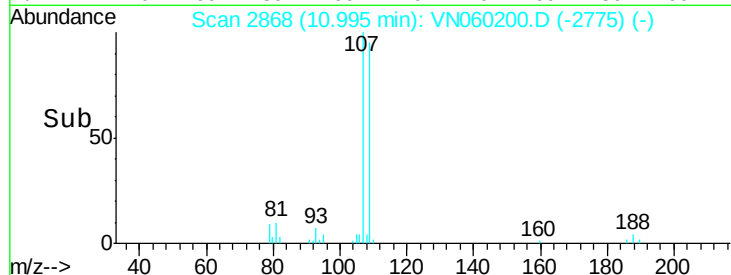
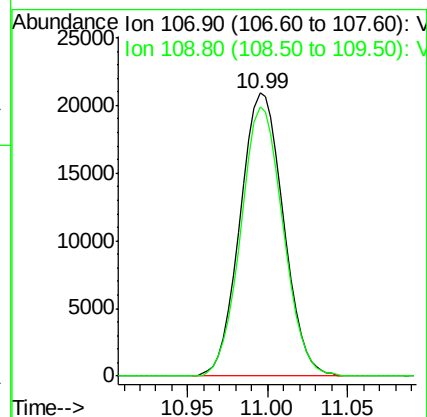
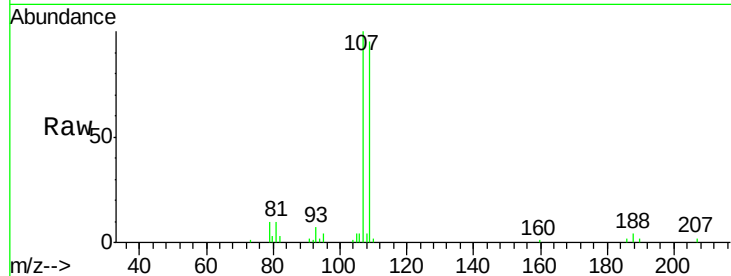
Ion Ratio Lower Upper

107 100

109 92.9 75.4 113.0

Manual Integrations
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2/25/2020 9:43:22 AM



#62

4-Bromofluorobenzene

Concen: 47.810 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

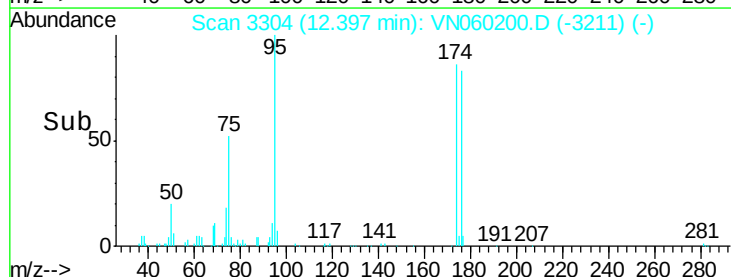
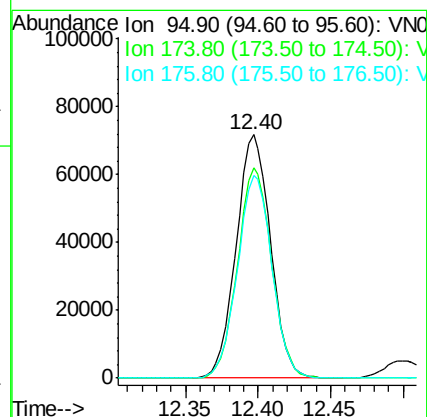
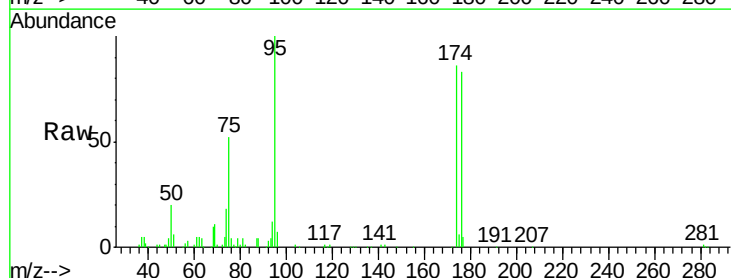
Tgt Ion: 95 Resp: 118190

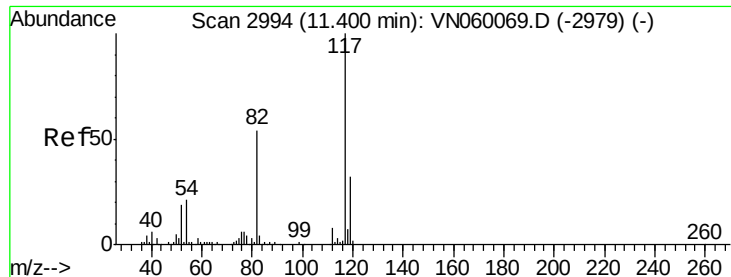
Ion Ratio Lower Upper

95 100

174 85.7 0.0 169.8

176 83.5 0.0 164.8





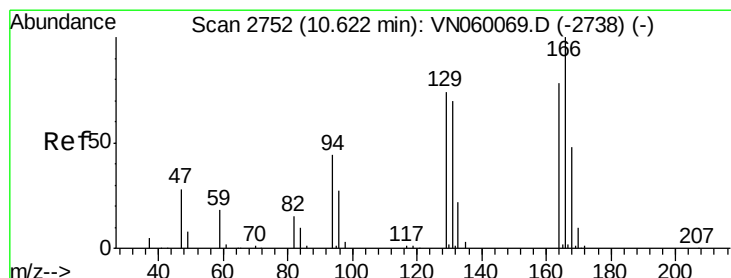
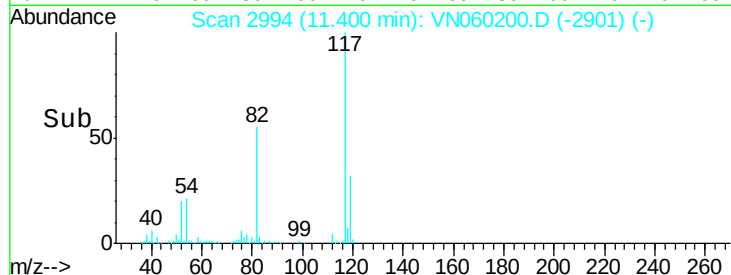
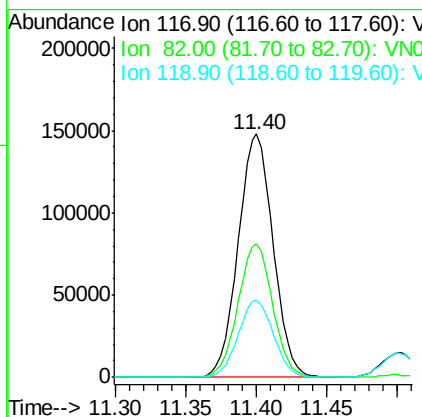
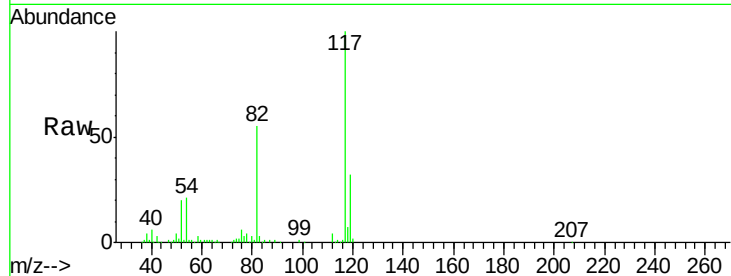
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256795		
82	55.0		43.4	65.0
119	31.6		25.8	38.6

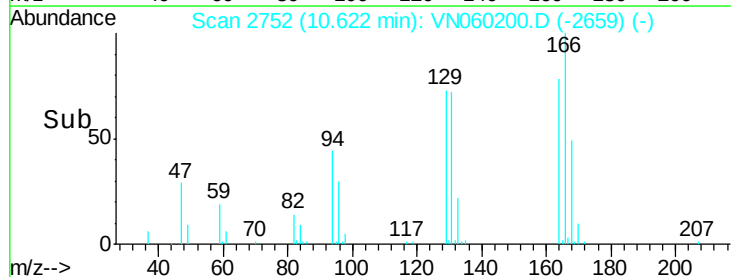
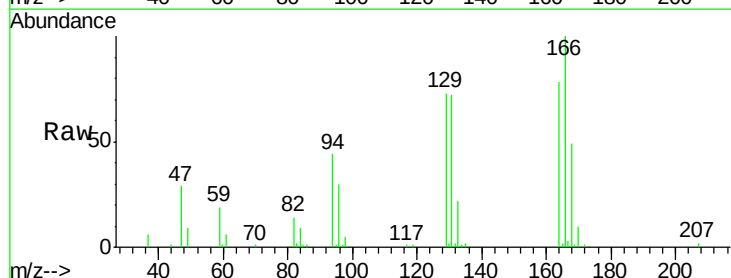
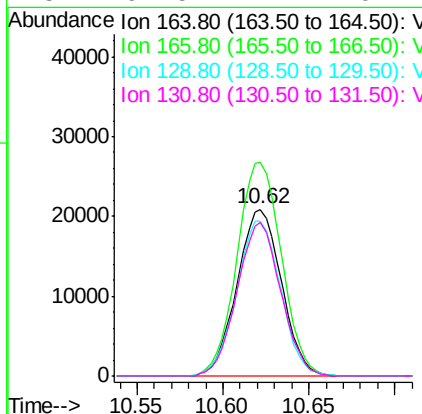
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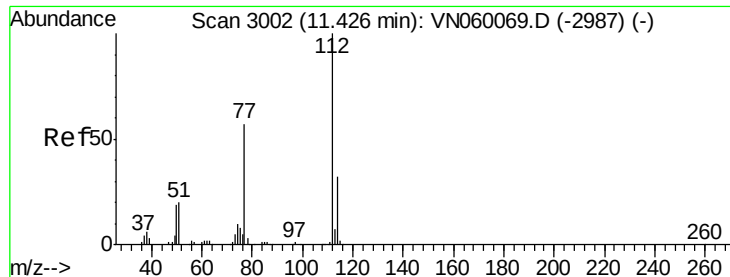
MMDadoda
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#64
Tetrachloroethene
Concen: 19.155 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37393		
166	128.3		101.9	152.9
129	93.1		75.4	113.0
131	92.5		71.4	107.2





#65

Chlorobenzene

Concen: 18.866 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion:112 Resp: 98705

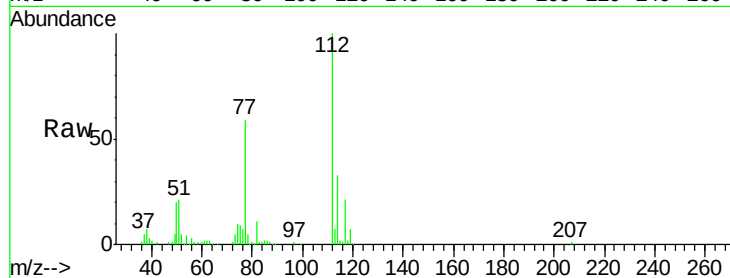
Ion Ratio Lower Upper

112 100

114 33.0 25.4 38.0

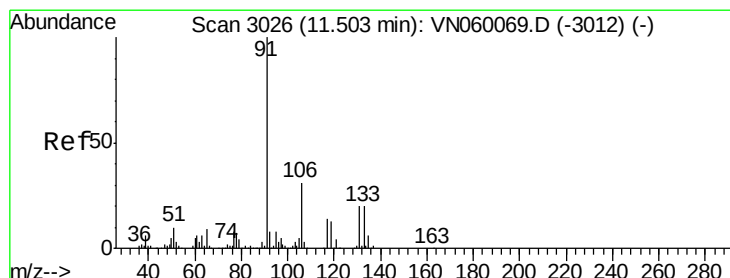
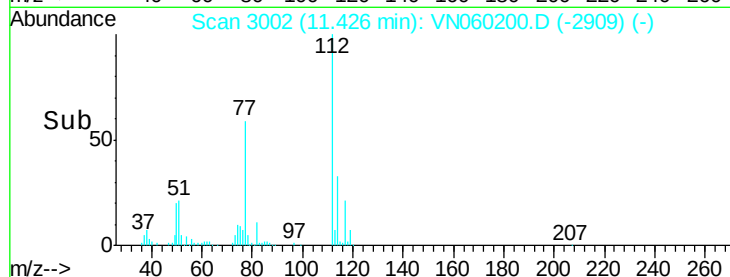
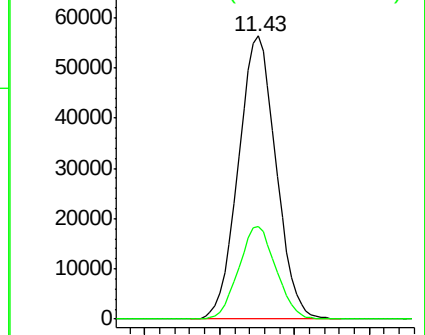
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.551 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

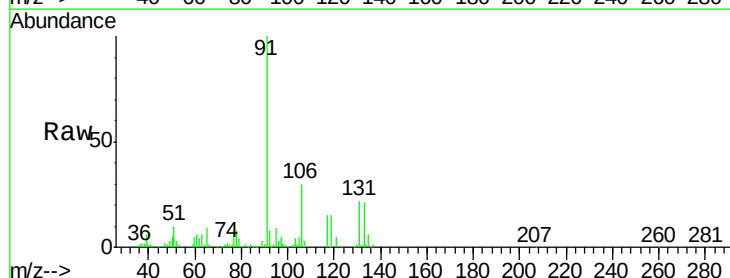
Tgt Ion:131 Resp: 38695

Ion Ratio Lower Upper

131 100

133 93.8 47.9 143.7

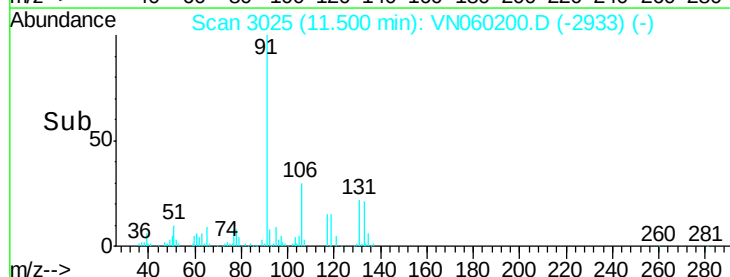
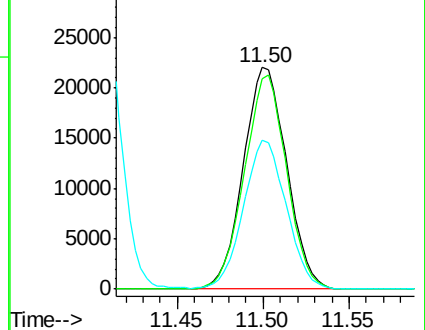
119 66.3 32.6 97.7

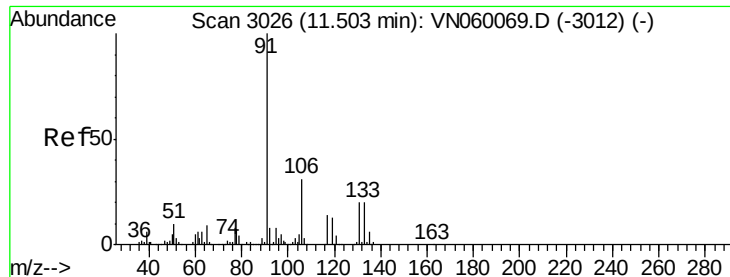


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.782 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 91 Resp: 177222

Ion Ratio Lower Upper

91 100

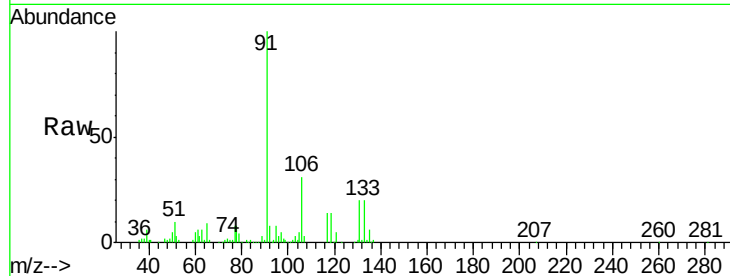
106 30.5 25.1 37.7

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

150000

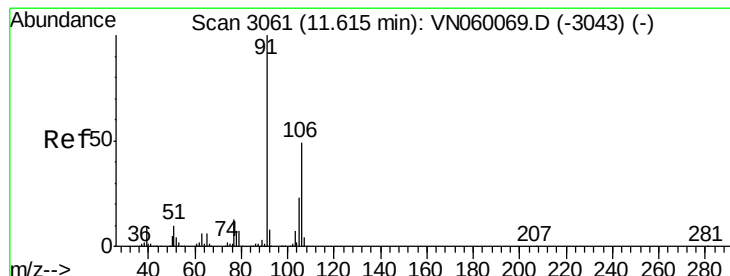
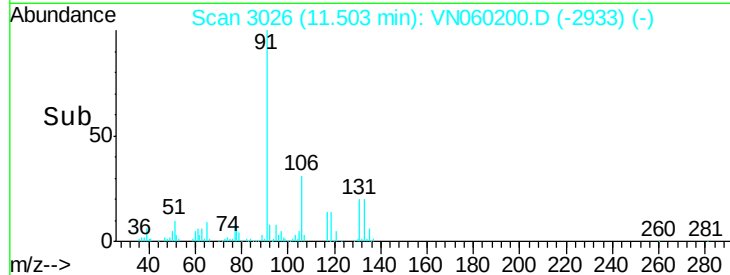
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 37.661 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060200.D

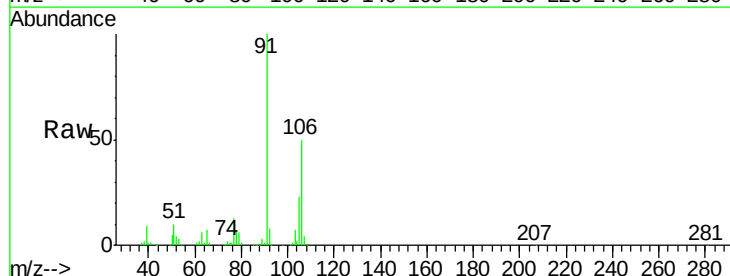
Acq: 24 Feb 2020 11:30

Tgt Ion: 106 Resp: 133374

Ion Ratio Lower Upper

106 100

91 203.9 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

150000

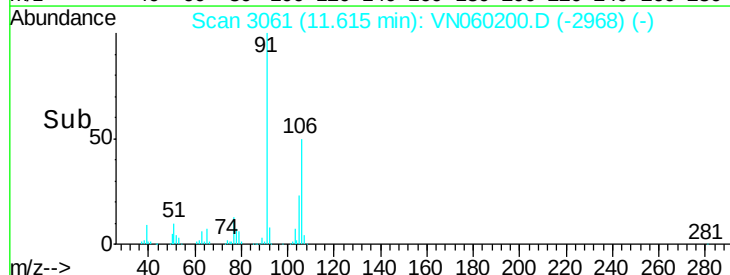
100000

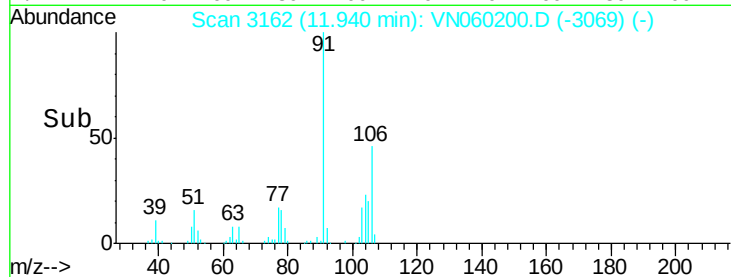
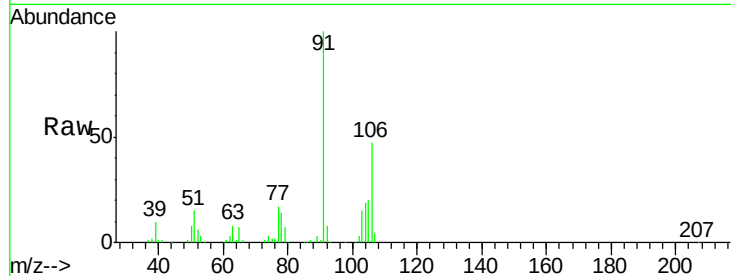
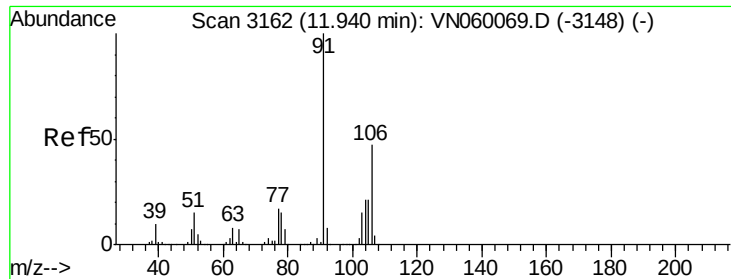
50000

0

11.60 11.62 11.70

Time-->





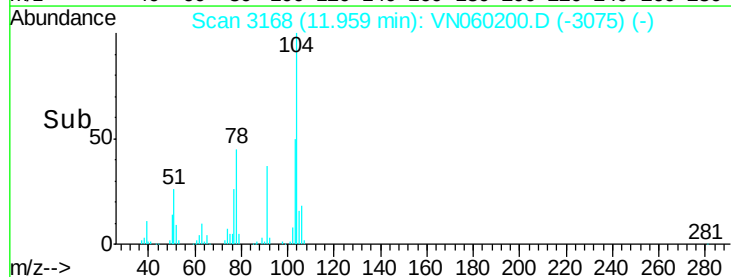
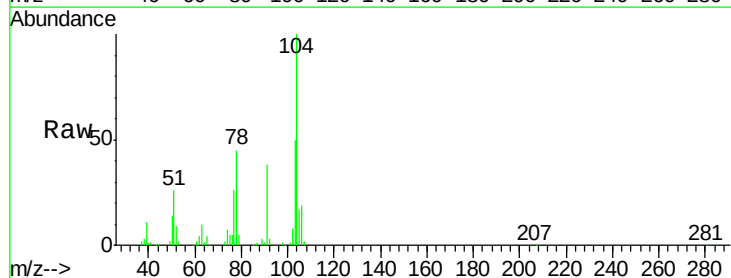
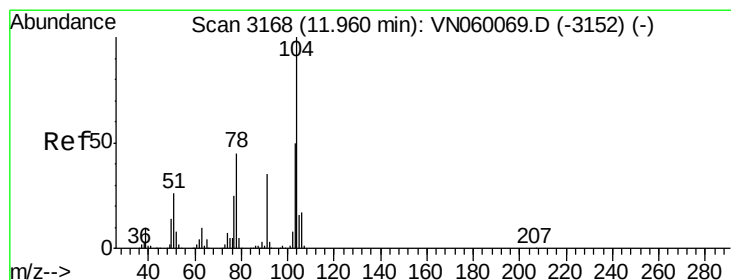
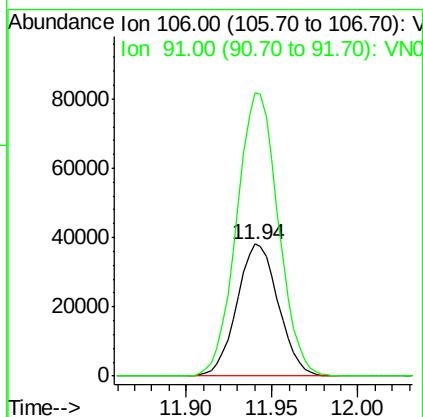
#69
o-Xylene
Concen: 18.789 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tot Ion:106 Resp: 64069
Ion Ratio Lower Upper
106 100
91 215.4 107.2 321.6

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

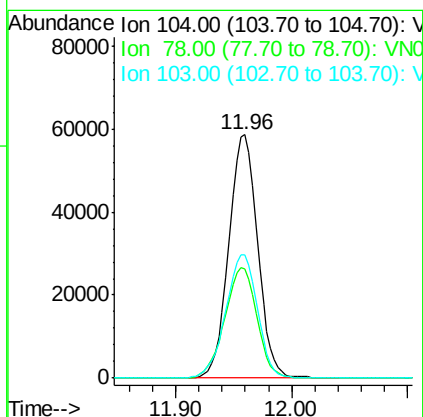
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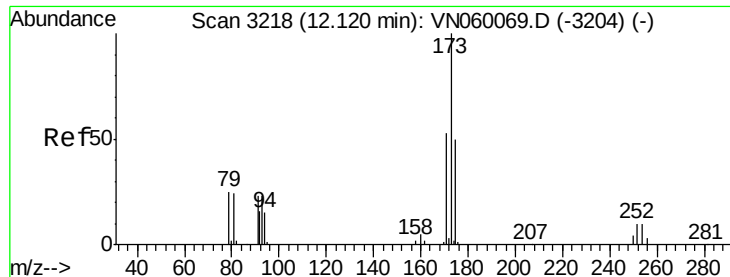
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#70
Styrene
Concen: 18.323 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion:104 Resp: 100750
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.2
103 55.7 44.3 66.5





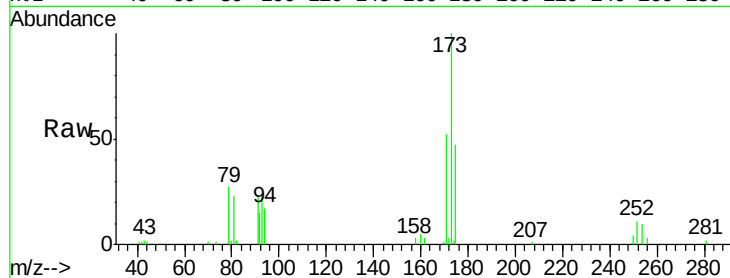
#71
Bromoform
Concen: 18.362 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

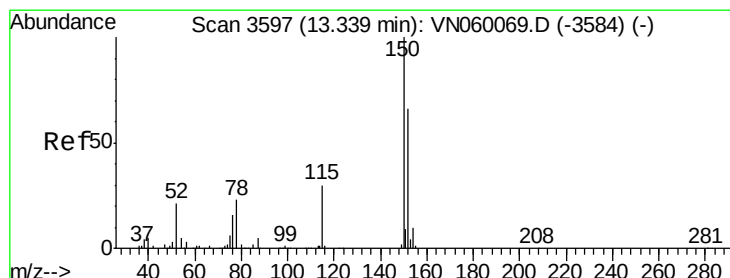
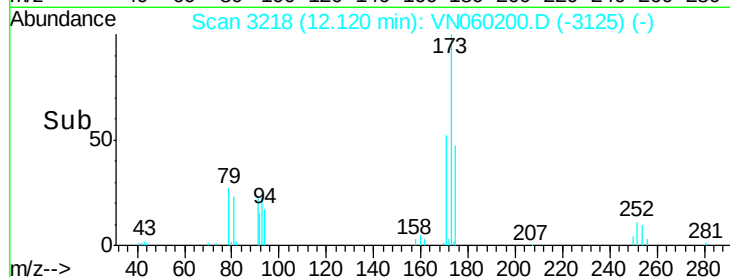
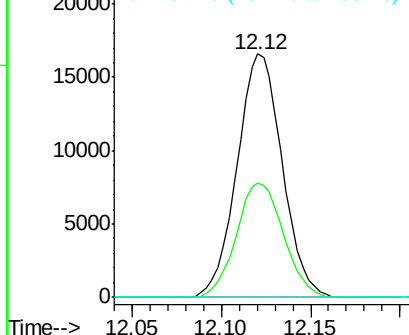
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.0	0.0	0.0

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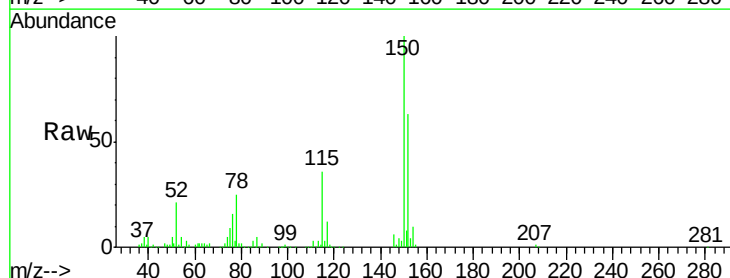


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

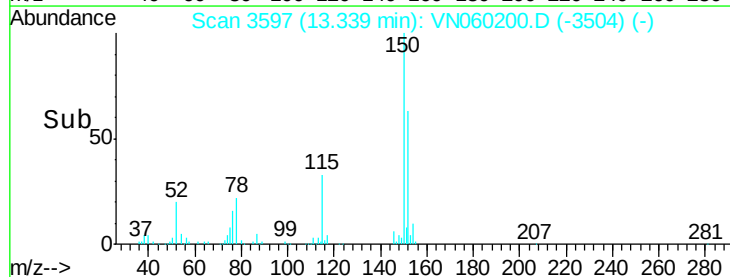
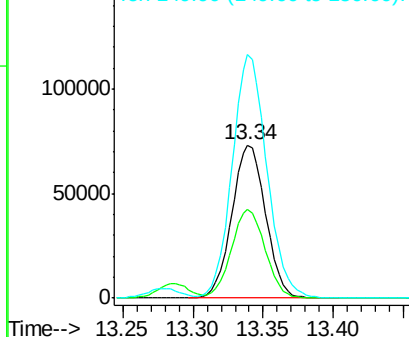


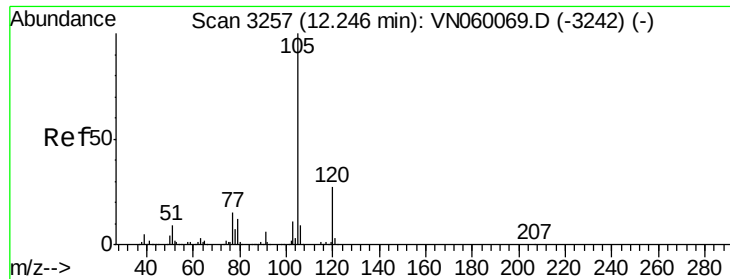
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	164.2	0.0	342.4



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





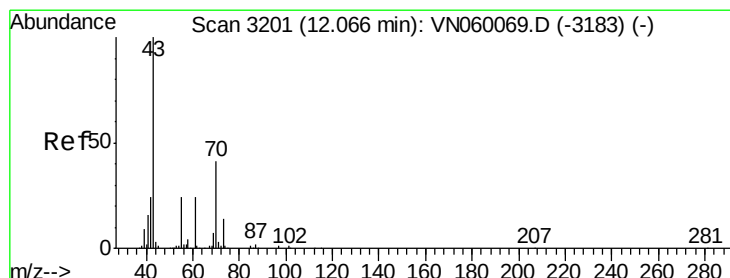
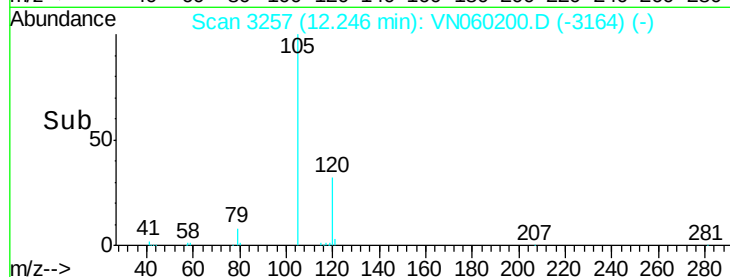
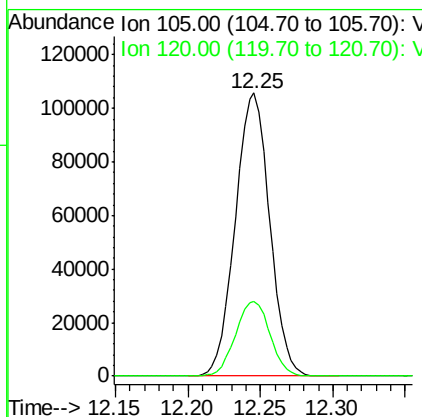
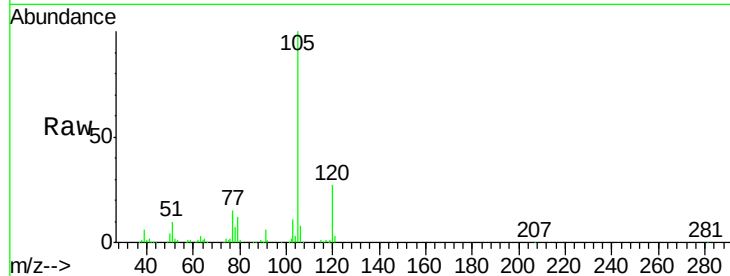
#73
Isopropylbenzene
Concen: 19.008 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

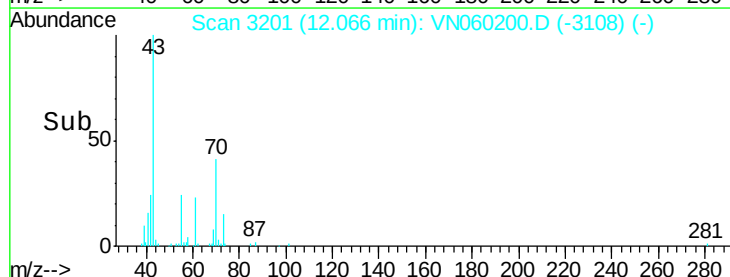
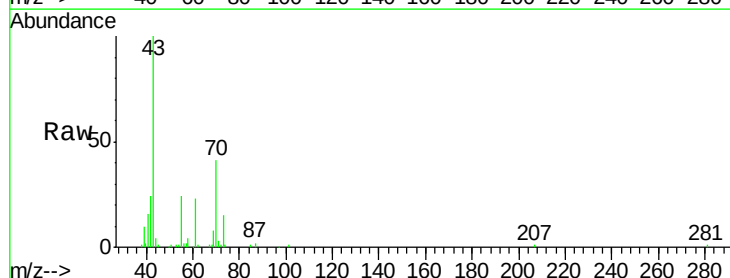
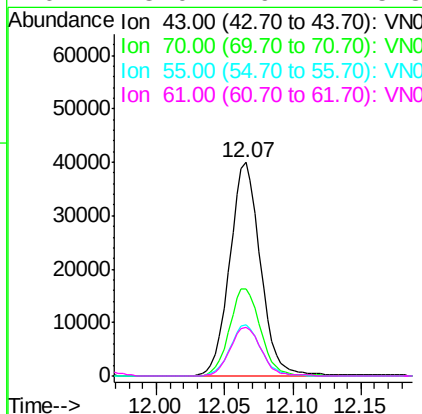
Manual Integrations
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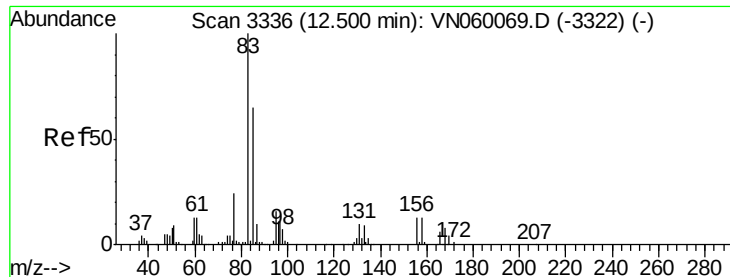
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#74
N-ethyl acetate
Concen: 19.027 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN060200.D
Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.4	50.0
55	24.0	18.8	28.2
61	23.0	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.681 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

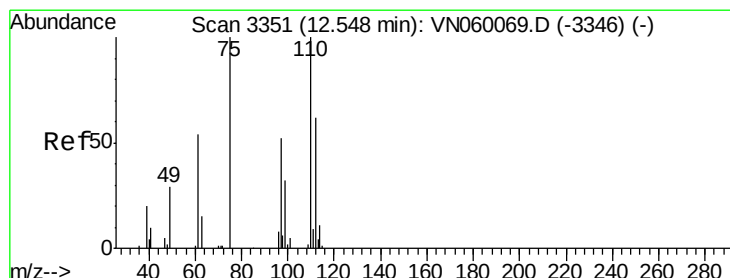
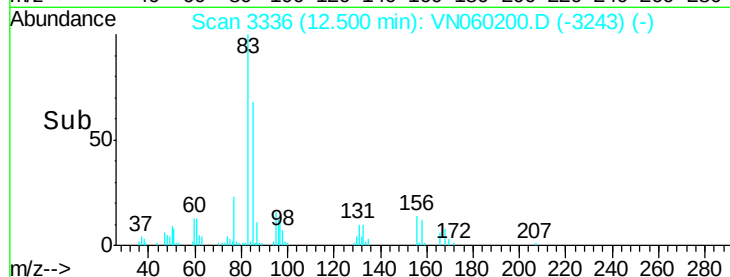
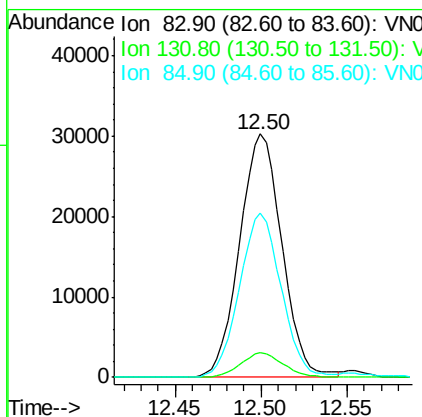
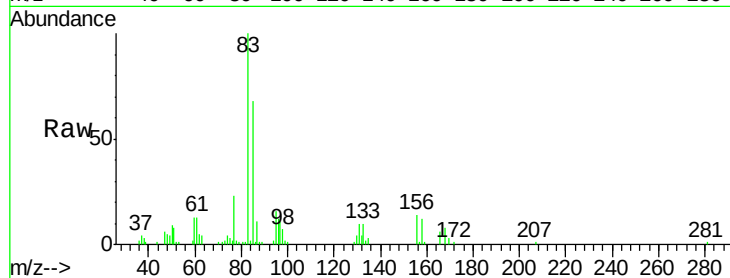
ClientSampleId :

VN0224WBSD01

Tot Ion:	83	Resp:	51852
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	66.4	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.698 ug/l m

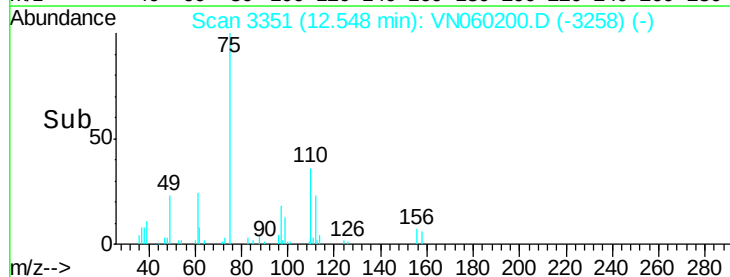
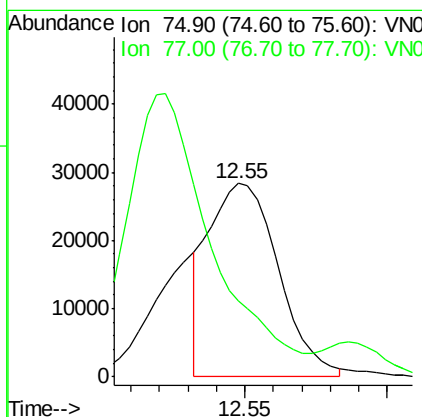
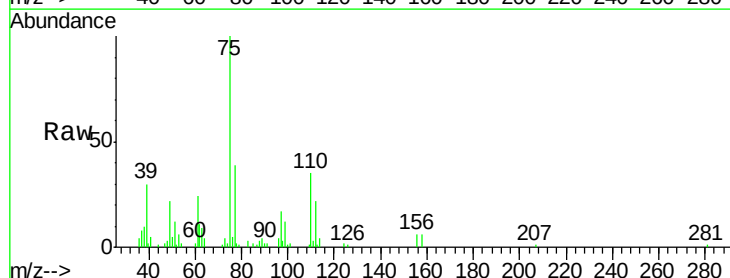
RT: 12.55 min Scan# 3351

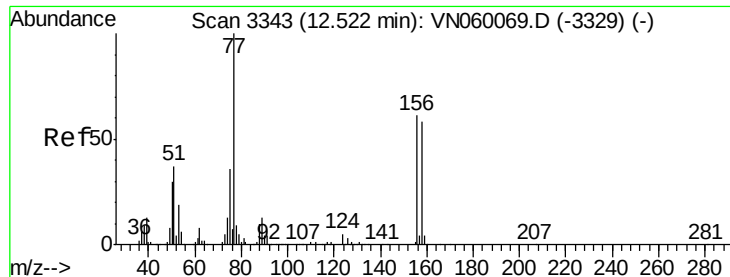
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	75	Resp:	48539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.357 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

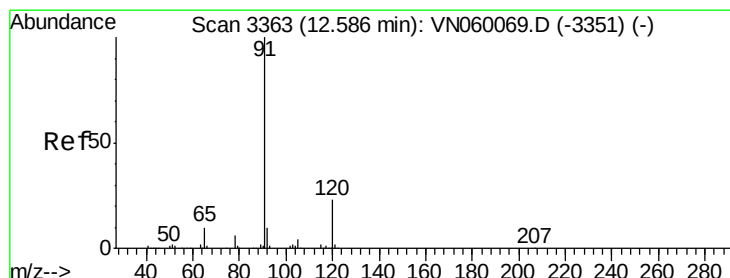
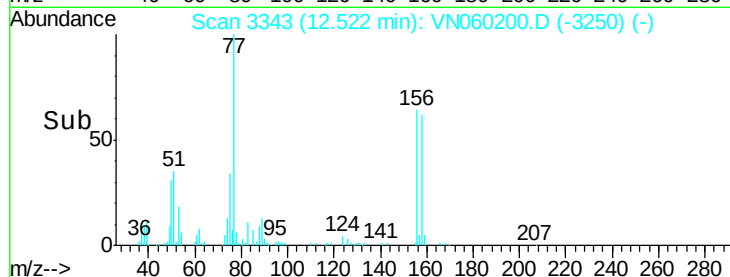
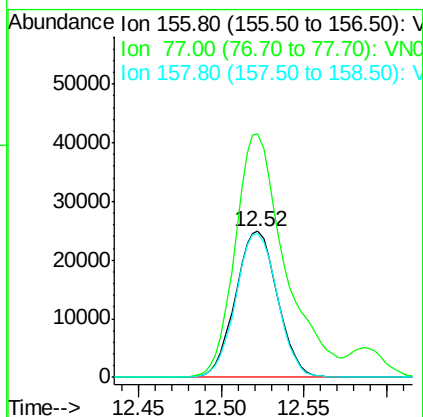
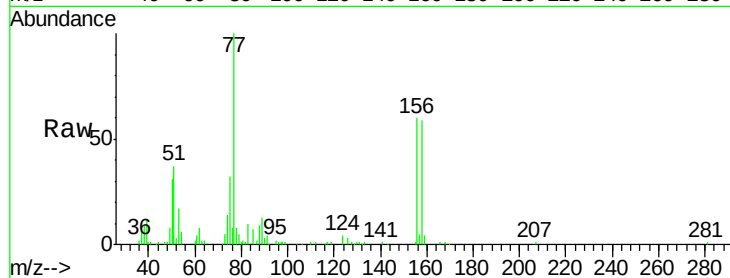
ClientSampleId :

VN0224WBSD01

Tot Ion:	156	Resp:	43970
Ion Ratio	Lower	Upper	
156	100		
77	198.4	98.7	296.1
158	97.4	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.766 ug/l

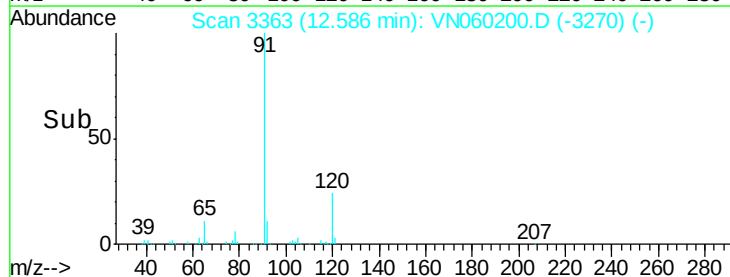
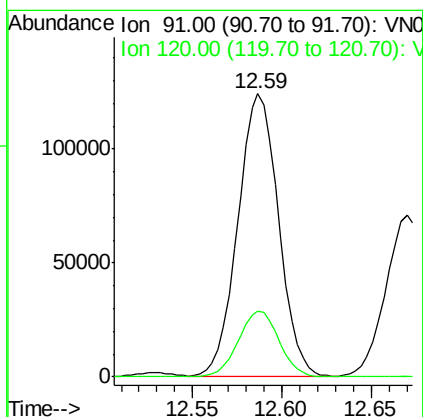
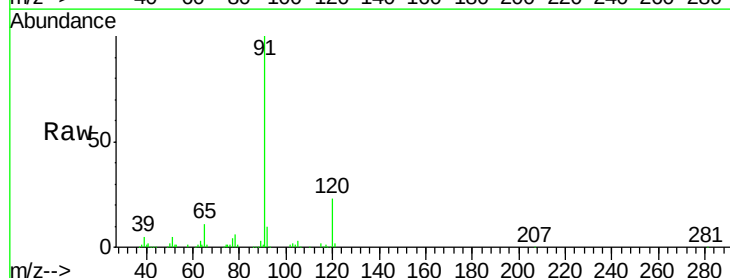
RT: 12.59 min Scan# 3363

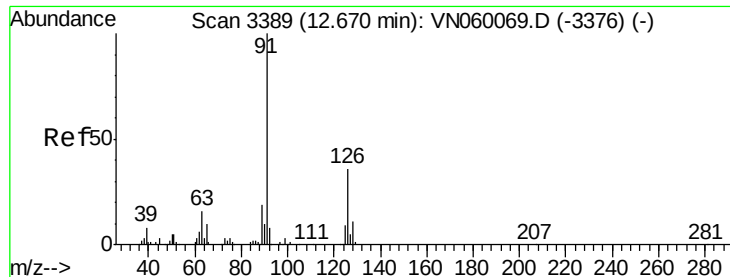
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	91	Resp:	195708
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.898 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0224WBSD01

Tot Ion: 91 Resp: 115840

Ion Ratio Lower Upper

91 100

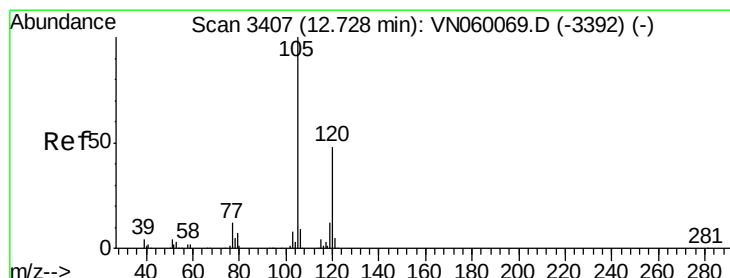
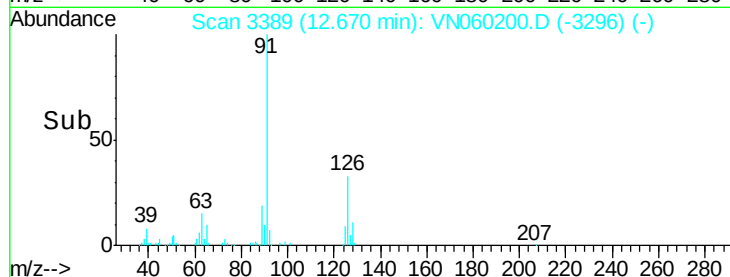
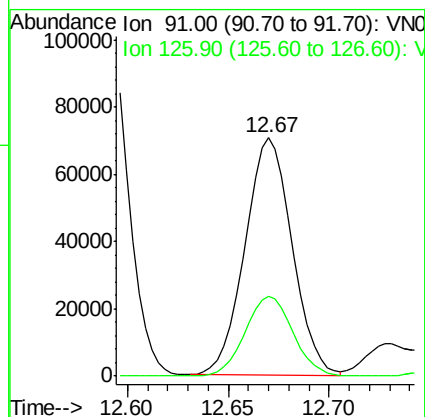
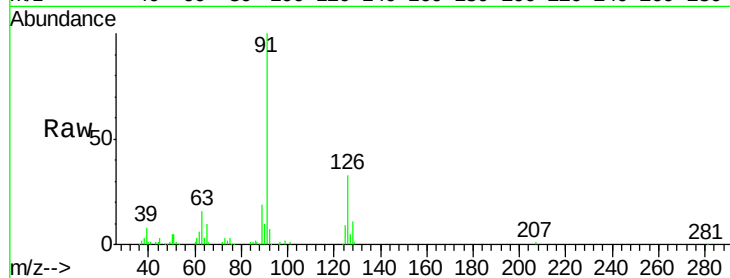
126 34.0 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.129 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060200.D

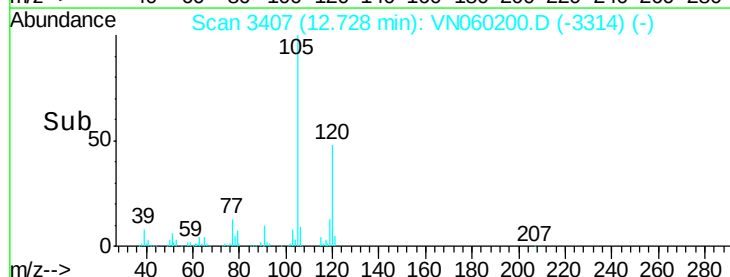
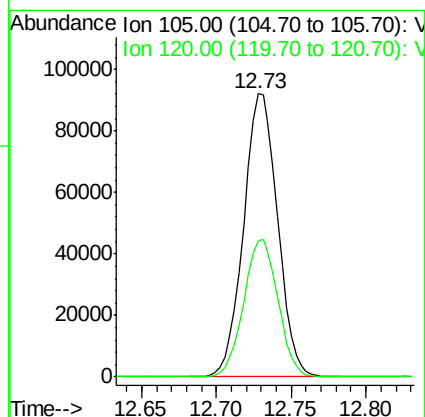
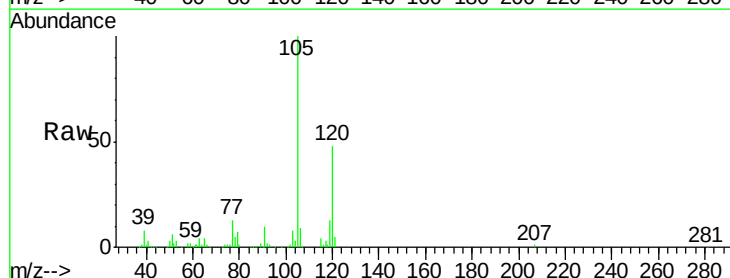
Acq: 24 Feb 2020 11:30

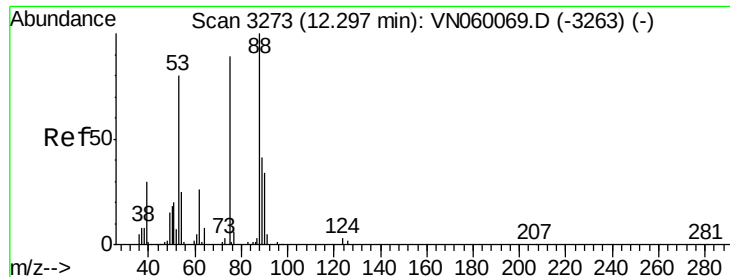
Tgt Ion: 105 Resp: 145580

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.486 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

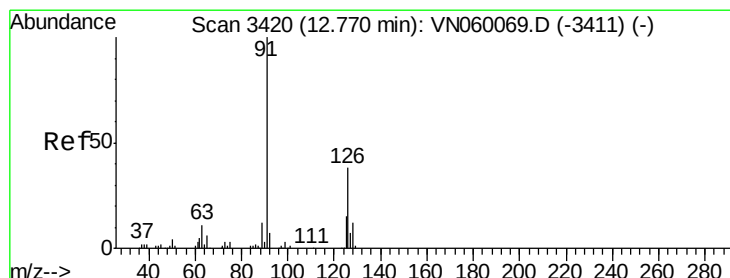
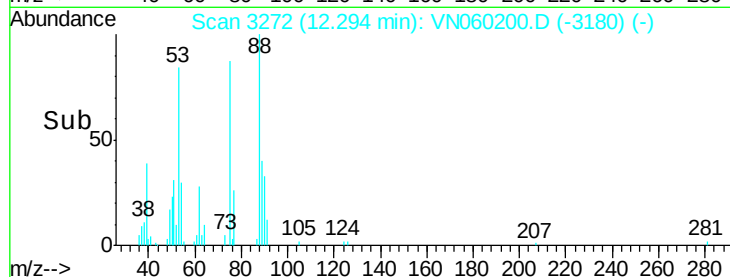
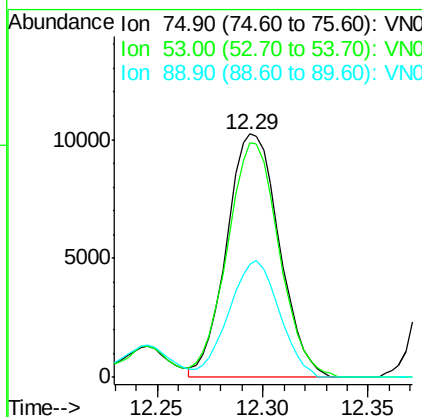
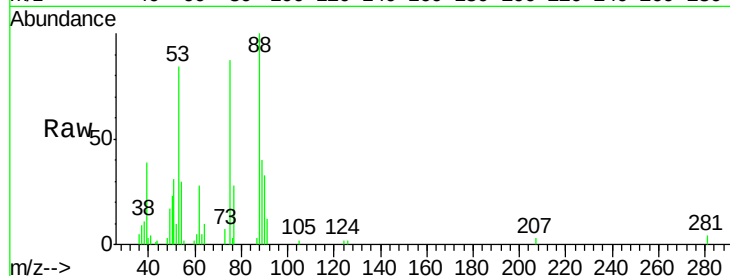
ClientSampleId :

VN0224WBSD01

Tot Ion:	75	Resp:	17706
Ion	Ratio	Lower	Upper
75	100		
53	95.9	73.9	110.9
89	46.0	37.0	55.4

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#82

4-Chlorotoluene

Concen: 19.128 ug/l

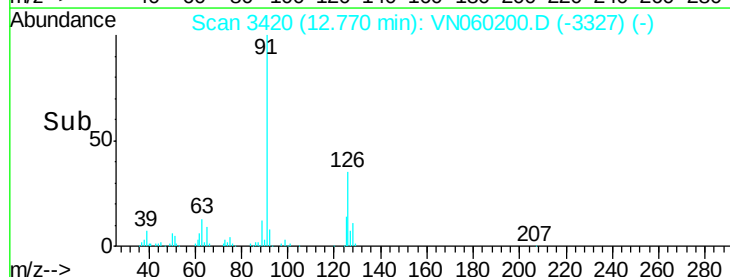
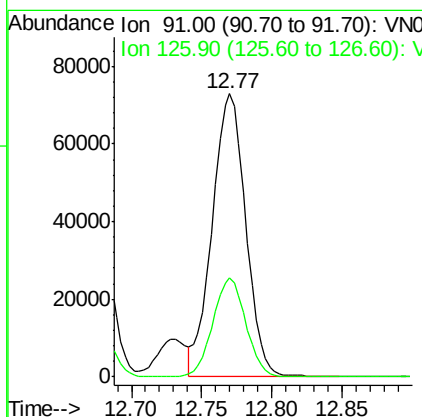
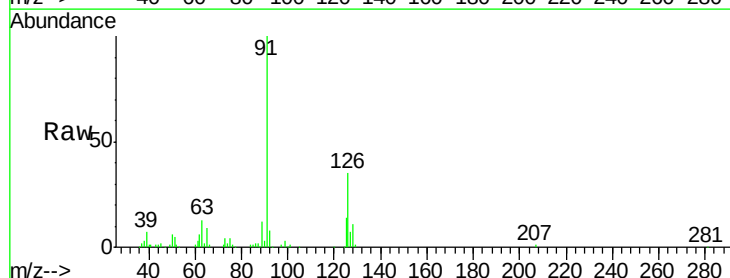
RT: 12.77 min Scan# 3420

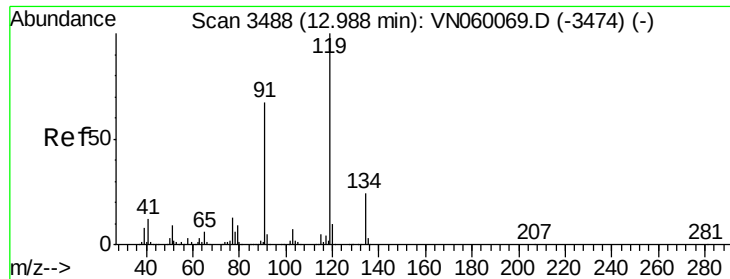
Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	91	Resp:	120292
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.1	51.3





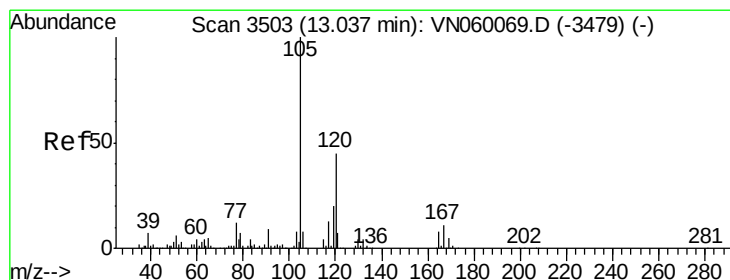
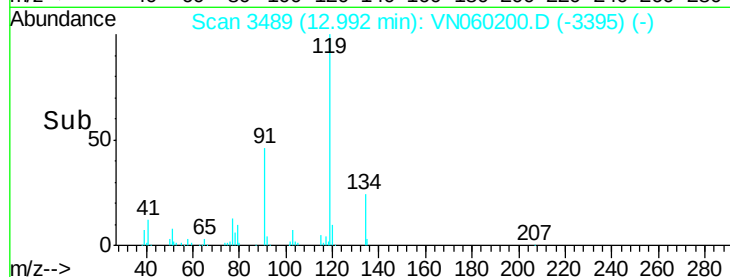
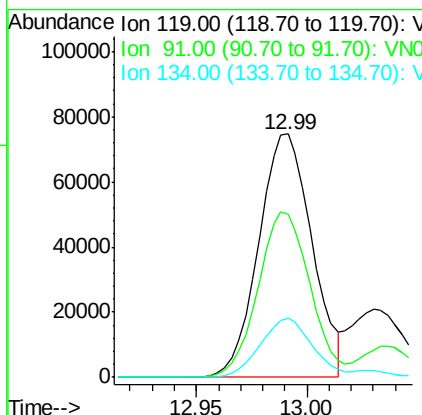
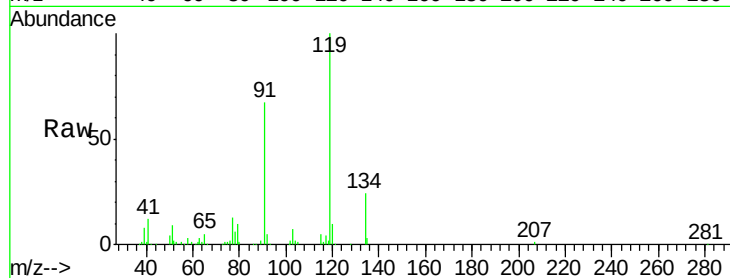
#83
 tert-Butylbenzene
 Concen: 18.594 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	125186		
91	66.3	32.7	98.1	
134	23.9	12.9	38.7	

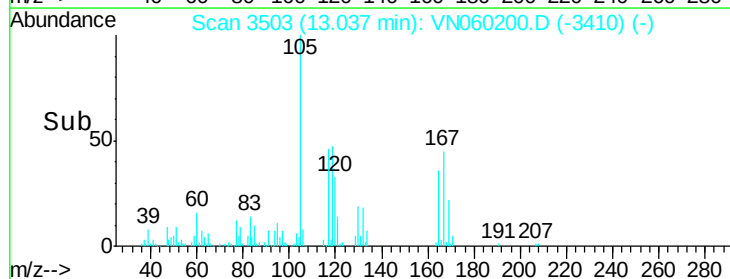
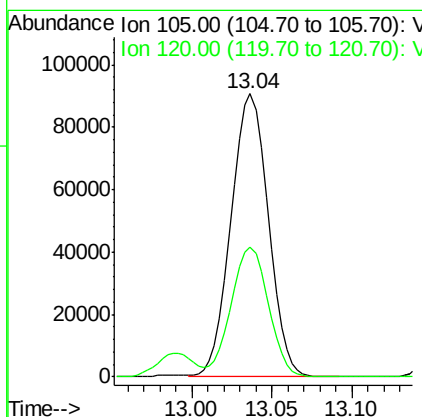
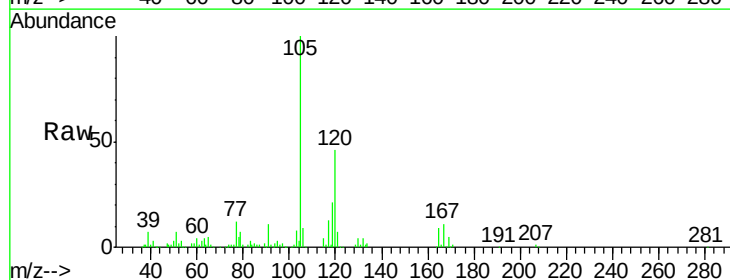
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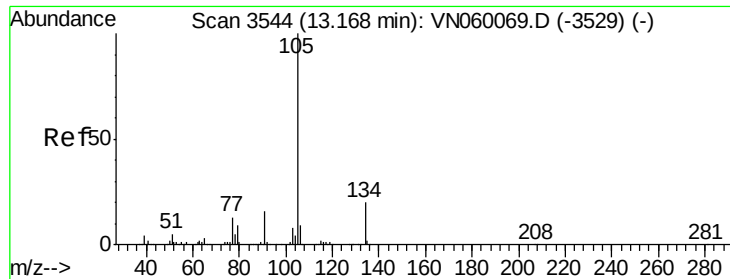
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.246 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144584		
120	45.8	22.4	67.3	





#85

sec-Butylbenzene

Concen: 18.922 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

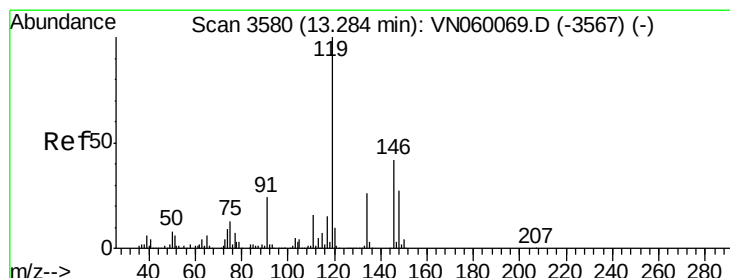
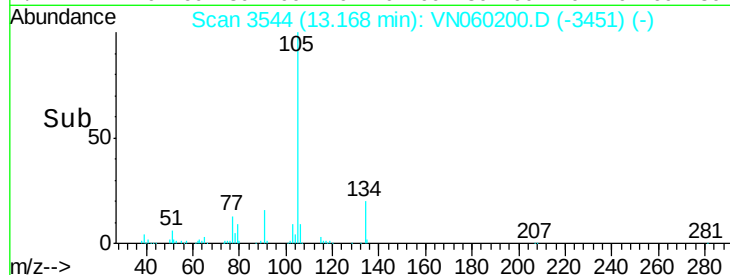
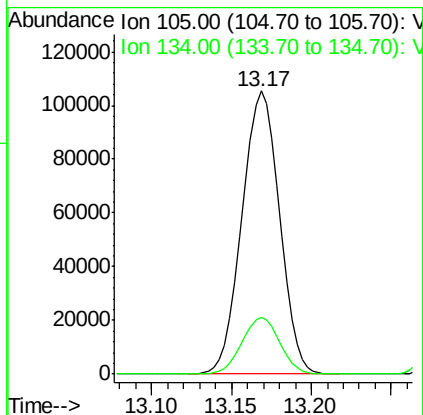
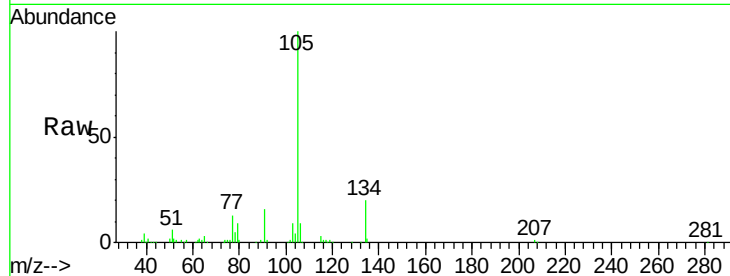
ClientSampleId :

VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 19.095 ug/l

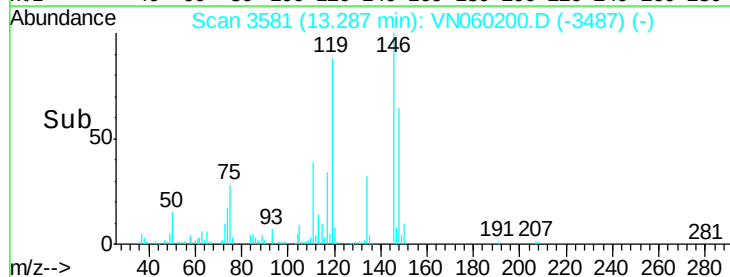
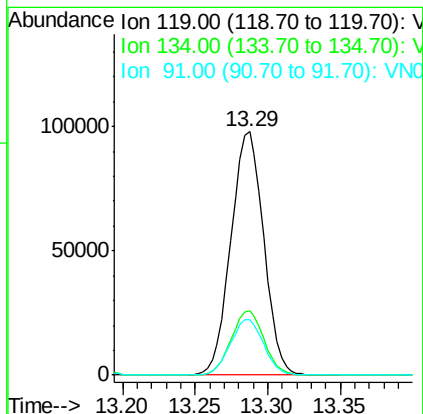
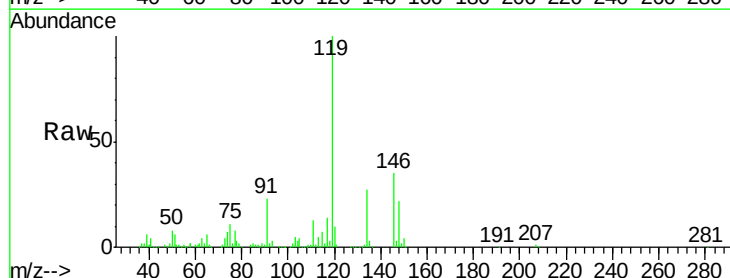
RT: 13.29 min Scan# 3581

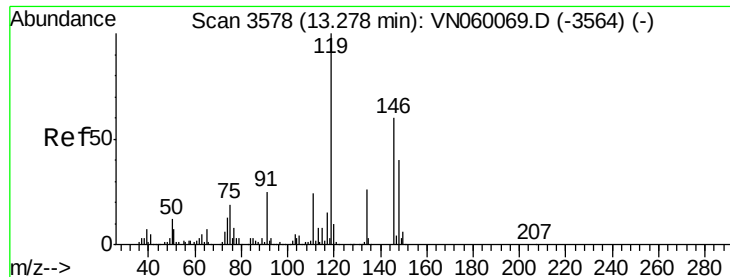
Delta R.T. 0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	23.2	11.9	35.9





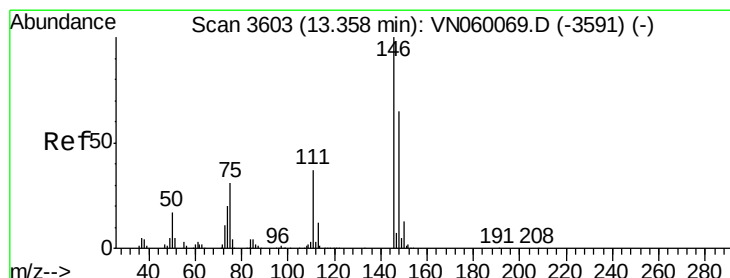
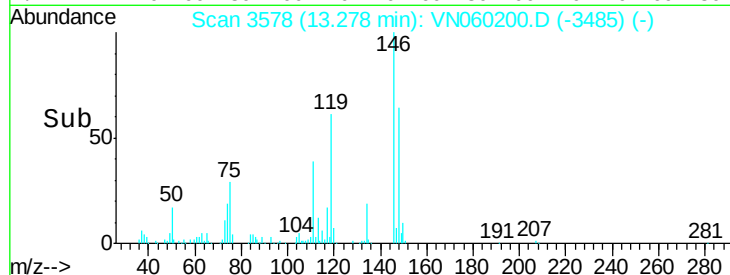
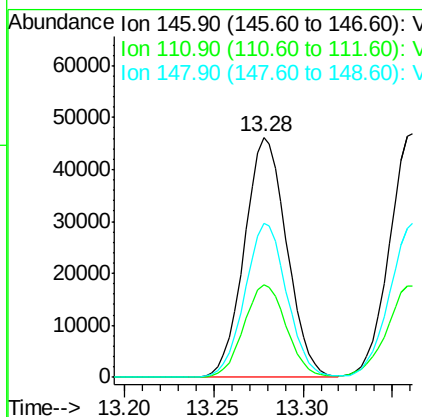
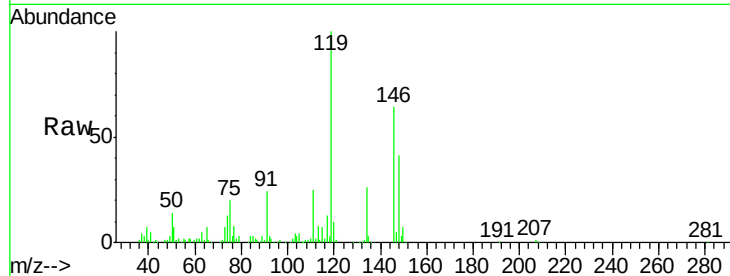
#87
 1,3-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.5	32.0	96.2

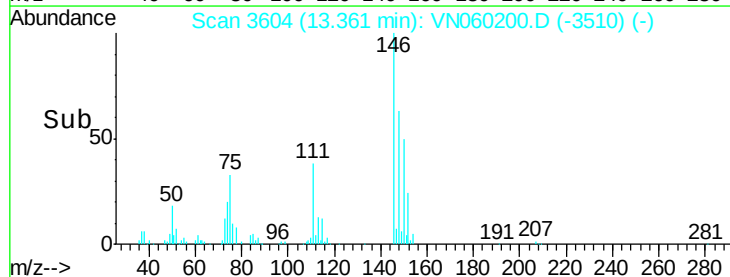
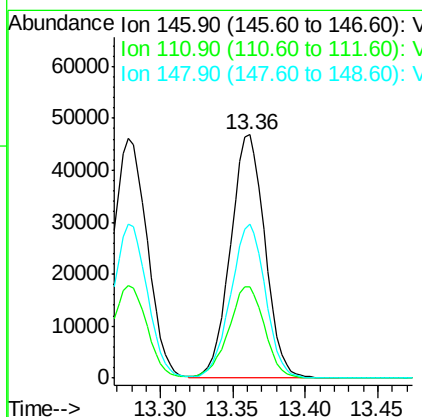
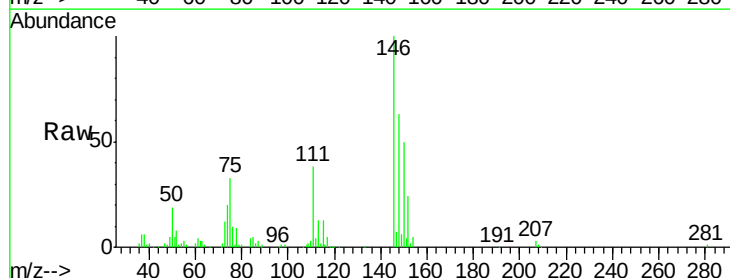
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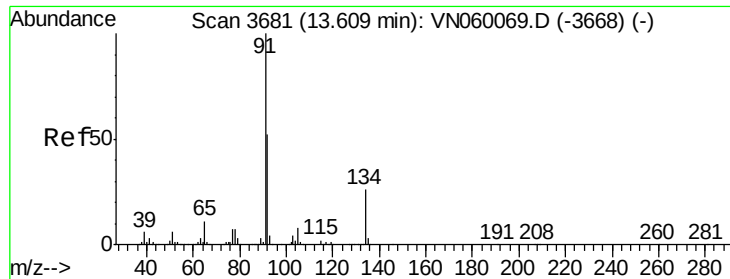
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#88
 1,4-Dichlorobenzene
 Concen: 19.264 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.5
148	63.8	32.0	96.0





#89

n-Butylbenzene

Concen: 18.824 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

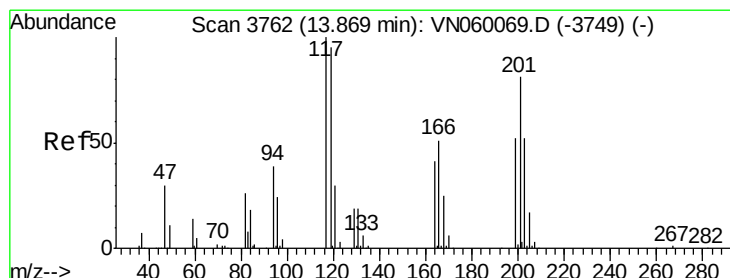
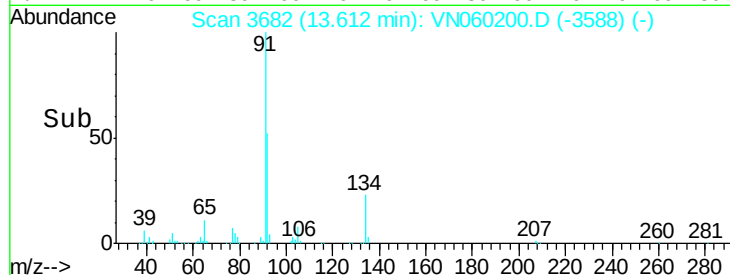
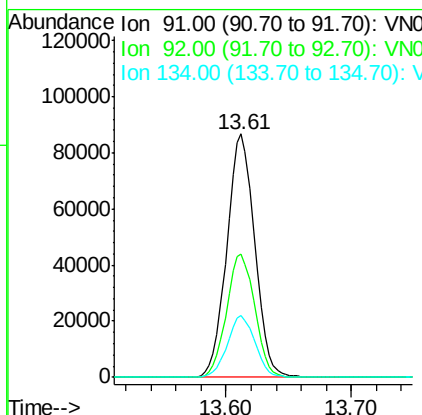
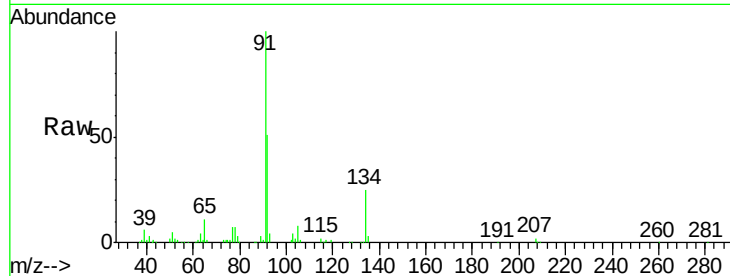
ClientSampleId :

VN0224WBSD01

Tot Ion:	91	Resp:	133750
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	25.2	13.1	39.3

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#90

Hexachloroethane

Concen: 18.480 ug/l

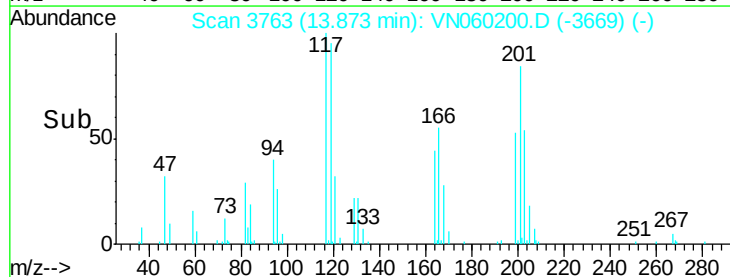
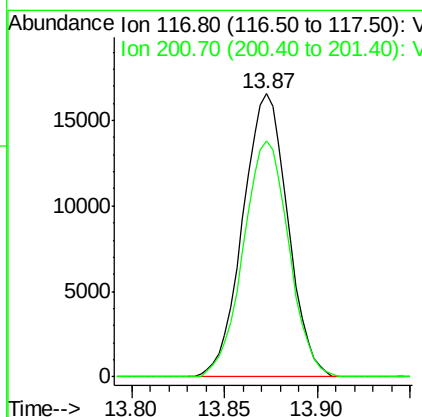
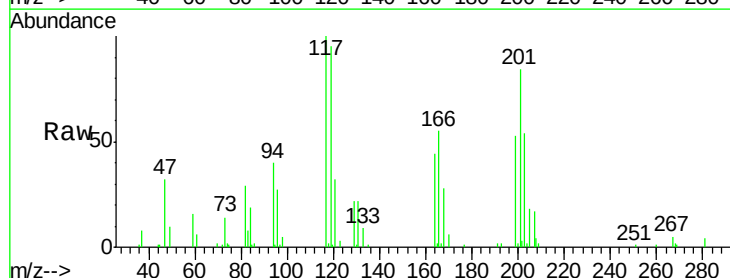
RT: 13.87 min Scan# 3763

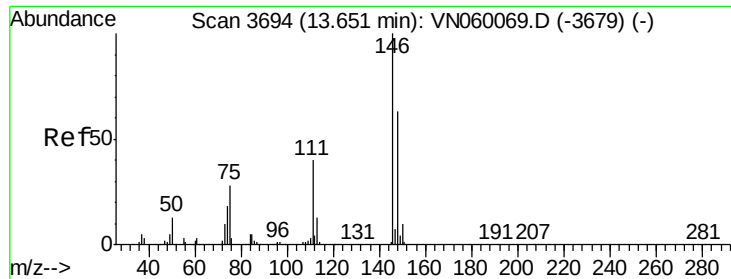
Delta R.T. 0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	117	Resp:	27890
Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.7	125.1





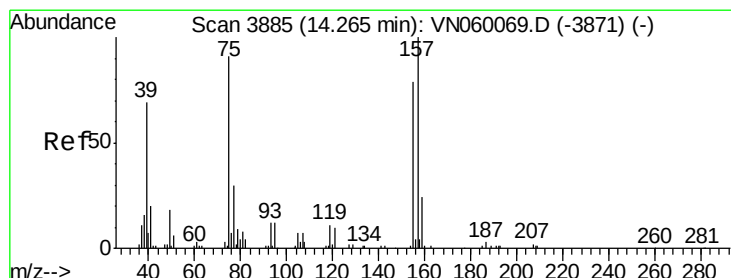
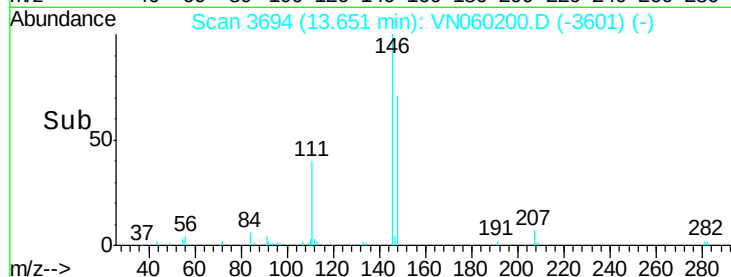
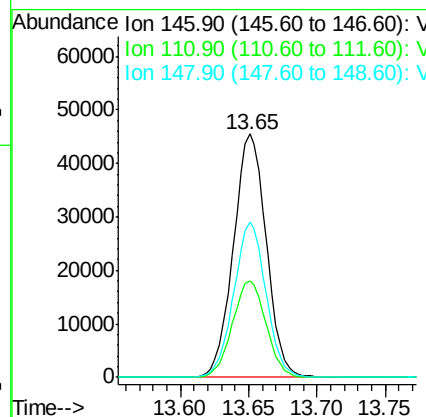
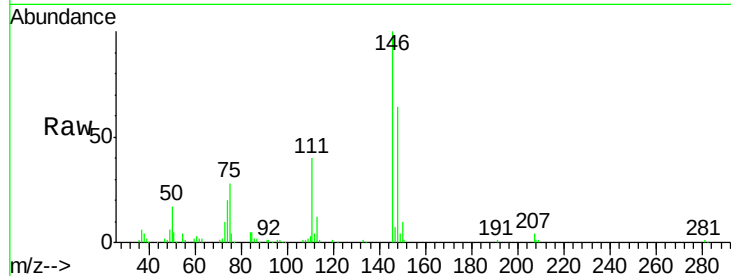
#91
 1,2-Dichlorobenzene
 Concen: 19.353 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	62.5	31.9	95.5

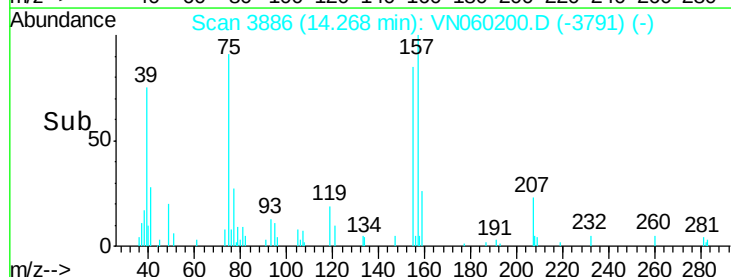
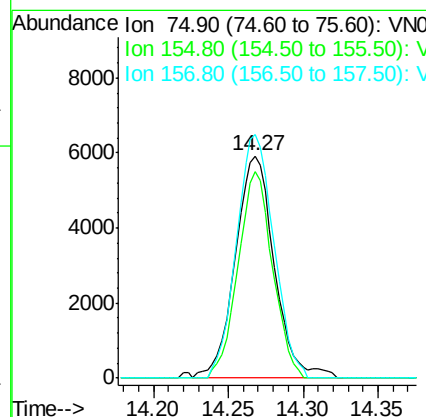
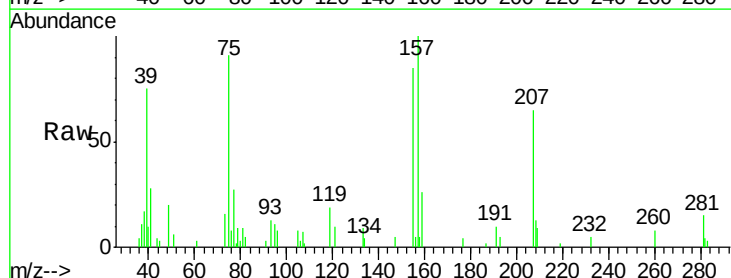
Manual Integrations
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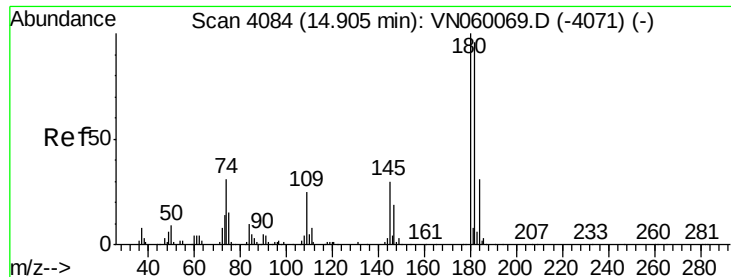
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 2/25/2020 9:43:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.718 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	43.0	129.0
157	105.1	54.9	164.5





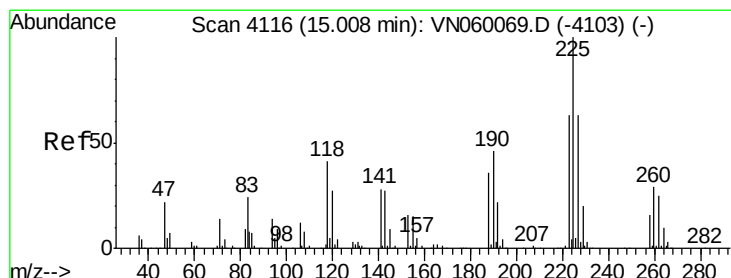
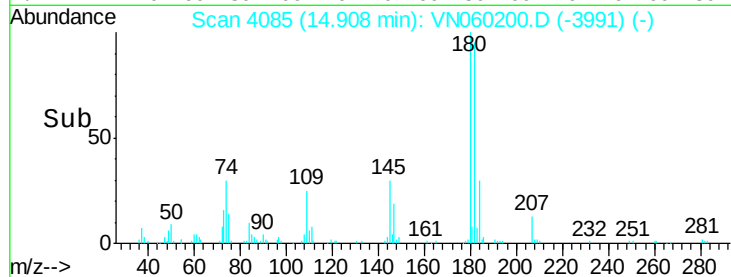
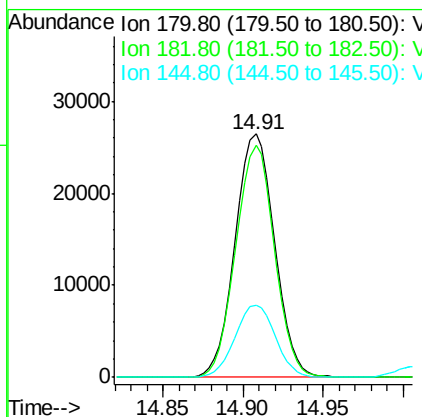
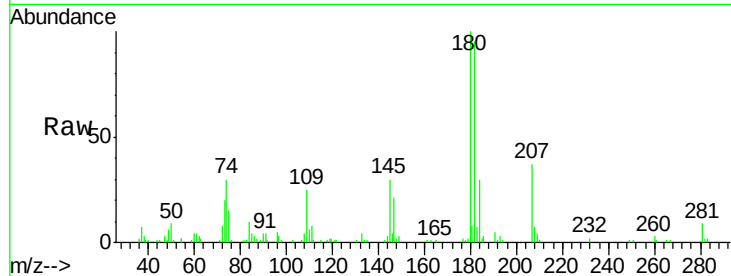
#93
 1,2,4-Trichlorobenzene
 Concen: 19.302 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.9	143.8
145	30.2	15.2	45.5

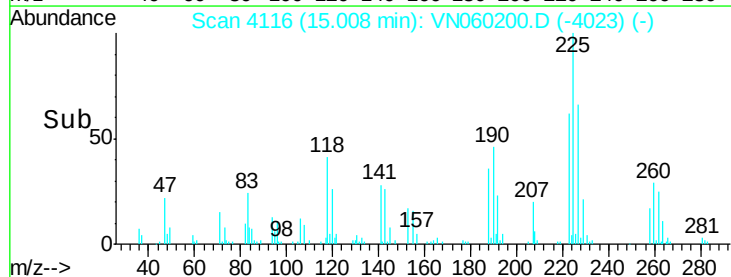
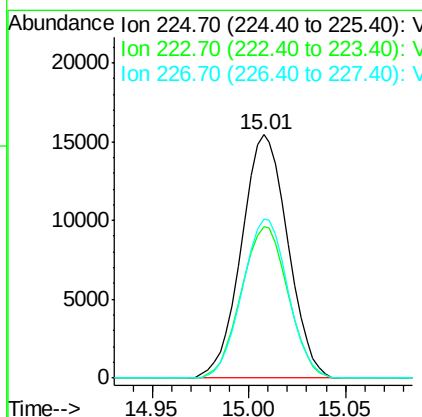
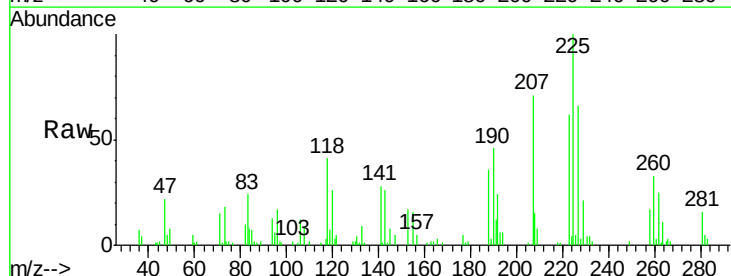
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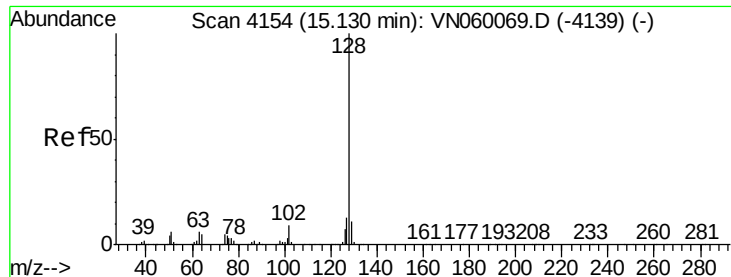
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#94
 Hexachlorobutadiene
 Concen: 19.032 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060200.D
 Acq: 24 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.4	31.8	95.4





#95

Naphthalene

Concen: 18.553 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Instrument :

MSVOA_N

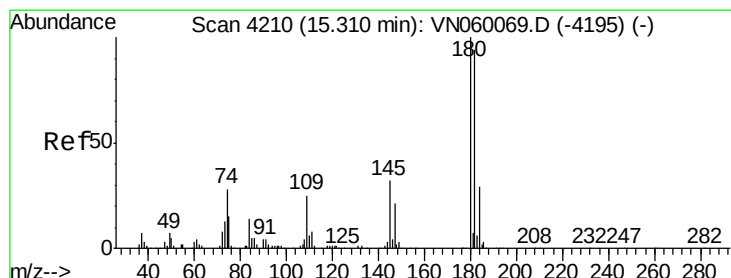
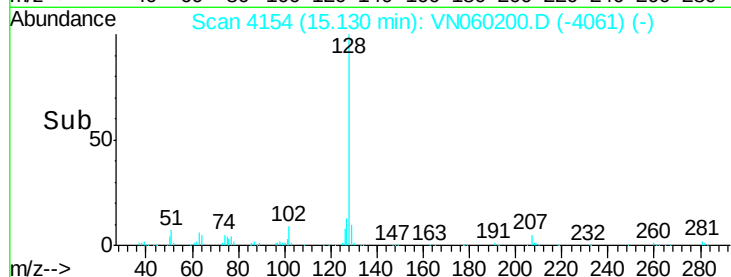
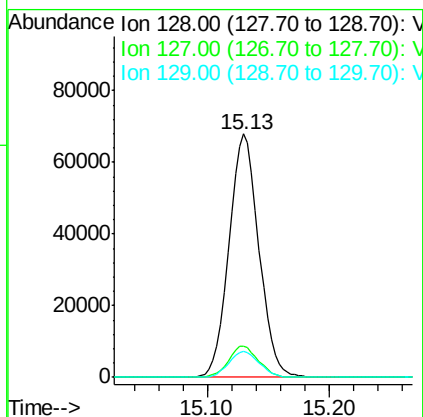
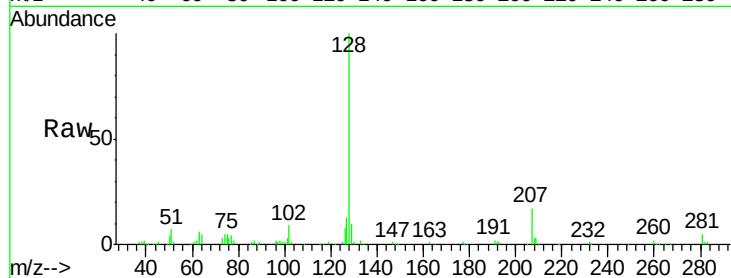
ClientSampleId :

VN0224WBSD01

Tot Ion:	128	Resp:	115875
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:43:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.200 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060200.D

Acq: 24 Feb 2020 11:30

Tgt Ion:	180	Resp:	44209
Ion Ratio		Lower	Upper
180	100		
182	94.4	47.5	142.5
145	31.2	16.1	48.3

