

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
 Data File : VN060649.D
 Acq On : 20 Mar 2020 13:55
 Operator : JC/MD
 Sample : VN0320WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:27:09 PM

Quant Time: Mar 20 23:56:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127908	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	92882	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.08	98	370195	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	134725	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34838	19.22	ug/l	99
3) Chloromethane	2.04	50	59837	17.68	ug/l	98
4) Vinyl Chloride	2.16	62	47335	17.88	ug/l	98
5) Bromomethane	2.55	94	23088	20.20	ug/l	100
6) Chloroethane	2.69	64	28412	18.63	ug/l	99
7) Trichlorofluoromethane	3.00	101	62208	19.07	ug/l	100
8) Diethyl Ether	3.38	74	25253	19.27	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36640	19.39	ug/l	99
10) Methyl Iodide	3.93	142	33425	19.88	ug/l	100
11) Tert butyl alcohol	4.73	59	37672	99.62	ug/l	100
12) 1,1-Dichloroethene	3.72	96	36912	18.20	ug/l	99
13) Acrolein	3.58	56	30633	73.09	ug/l	98
14) Allyl chloride	4.29	41	66040	18.51	ug/l	100
15) Acrylonitrile	4.94	53	109974	98.89	ug/l	99
16) Acetone	3.78	43	92494	101.55	ug/l	97
17) Carbon Disulfide	4.03	76	112347	18.22	ug/l	100
18) Methyl Acetate	4.28	43	50555	19.72	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	132770	19.04	ug/l	97
20) Methylene Chloride	4.52	84	42792	19.10	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40444	18.71	ug/l	97
22) Diisopropyl ether	5.91	45	148019	19.64	ug/l	97
23) Vinyl Acetate	5.86	43	609107	99.07	ug/l	100
24) 1,1-Dichloroethane	5.82	63	79719	19.41	ug/l	100
25) 2-Butanone	6.80	43	142741	96.85	ug/l	99
26) 2,2-Dichloropropane	6.80	77	65210	20.18	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47162	19.20	ug/l	99
28) Bromochloromethane	7.17	49	40580	20.65	ug/l	99
29) Tetrahydrofuran	7.18	42	100722	96.58	ug/l	99
30) Chloroform	7.34	83	75222	19.10	ug/l	99
31) Cyclohexane	7.63	56	76481	18.47	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	64250	18.92	ug/l	97
36) 1,1-Dichloropropene	7.77	75	58926	19.71	ug/l	100
37) Ethyl Acetate	6.89	43	62362	19.30	ug/l	99
38) Carbon Tetrachloride	7.75	117	50563	18.87	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68930	19.40	ug/l	97
40) Benzene	8.02	78	173969	19.27	ug/l	98
41) Methacrylonitrile	7.14	41	28415	20.61	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62305	20.20	ug/l	100
43) Isopropyl Acetate	8.14	43	104665	19.64	ug/l	99
44) Trichloroethene	8.82	130	45344	19.93	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47519	19.95	ug/l	96
46) Dibromomethane	9.19	93	29396	20.42	ug/l	99
47) Bromodichloromethane	9.38	83	58546	19.57	ug/l	99
48) Methyl methacrylate	9.18	41	45274	19.09	ug/l	97
49) 1,4-Dioxane	9.18	88	12955	459.45	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	304921	100.57	ug/l	100
52) Toluene	10.14	92	105689	19.39	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68795	20.02	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	75014	19.90	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42063	20.06	ug/l	99
56) Ethyl methacrylate	10.42	69	63193	19.33	ug/l	96
57) 1,3-Dichloropropane	10.70	76	73238	20.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	164608	101.29	ug/l	100
59) 2-Hexanone	10.74	43	216388	99.08	ug/l	100
60) Dibromochloromethane	10.89	129	43435	20.05	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42387	20.10	ug/l	100
64) Tetrachloroethene	10.62	164	44968	20.42	ug/l	99
65) Chlorobenzene	11.43	112	107864	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39545	19.69	ug/l	98
67) Ethyl Benzene	11.50	91	203128	19.69	ug/l	99
68) m/p-Xylenes	11.61	106	149887	39.09	ug/l	99
69) o-Xylene	11.94	106	72322	19.76	ug/l	99
70) Styrene	11.96	104	116213	19.41	ug/l	100
71) Bromoform	12.12	173	30168	19.14	ug/l #	99
73) Isopropylbenzene	12.24	105	192551	19.48	ug/l	99
74) N-amyl acetate	12.06	43	87256	19.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59250	19.82	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54822m	19.29	ug/l	
77) Bromobenzene	12.52	156	45368	19.05	ug/l	99
78) n-propylbenzene	12.59	91	226950	19.43	ug/l	99
79) 2-Chlorotoluene	12.67	91	132642	19.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	162180	19.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21067	19.04	ug/l	97
82) 4-Chlorotoluene	12.77	91	137397	19.33	ug/l	100
83) tert-Butylbenzene	12.99	119	133512	19.20	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	161176	19.42	ug/l	100
85) sec-Butylbenzene	13.17	105	178887	19.13	ug/l	100
86) p-Isopropyltoluene	13.28	119	161558	19.21	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82455	19.63	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81881	19.40	ug/l	99
89) n-Butylbenzene	13.61	91	145713	19.19	ug/l	99
90) Hexachloroethane	13.87	117	20462	16.74	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79126	19.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11615	18.38	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49910	20.23	ug/l	98
94) Hexachlorobutadiene	15.01	225	23557	19.48	ug/l	100
95) Naphthalene	15.13	128	149576	20.16	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47602	19.59	ug/l	99

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

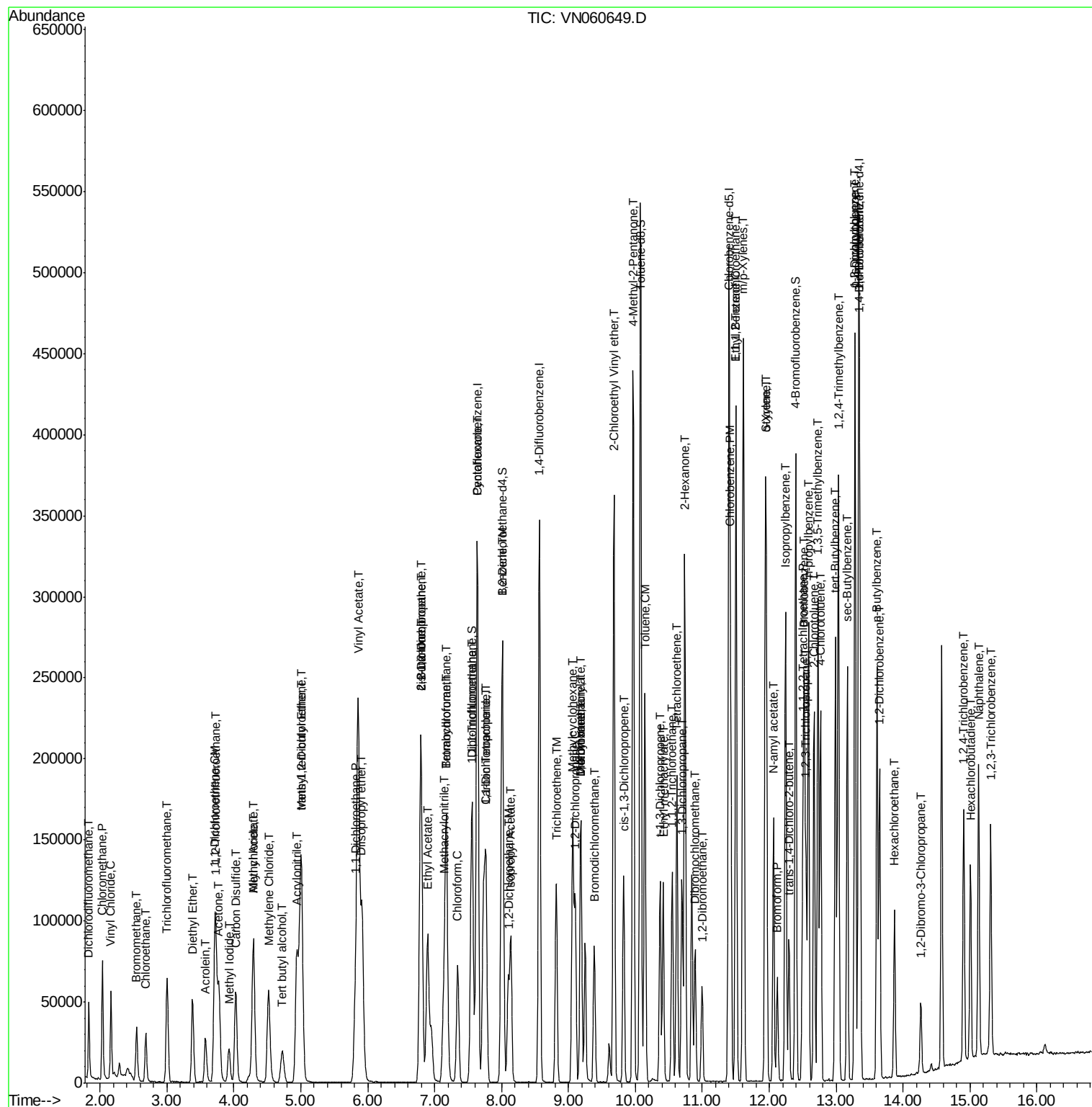
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
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 Operator : JC/MD
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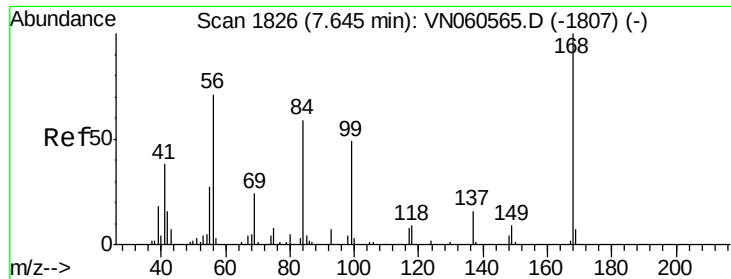
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0320WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 168 Resp: 187314

Ion Ratio Lower Upper

168 100

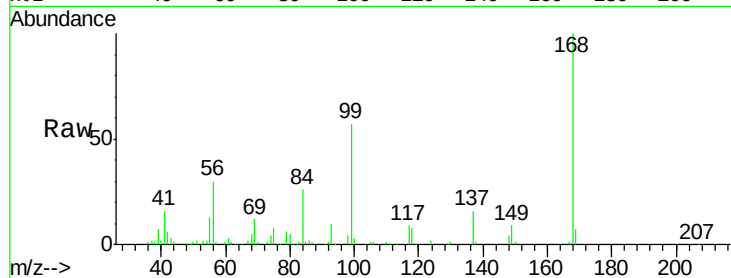
99 56.6 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

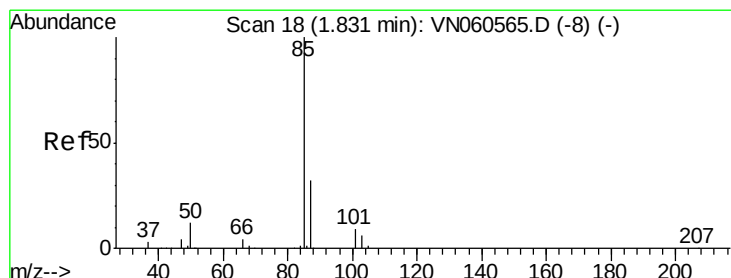
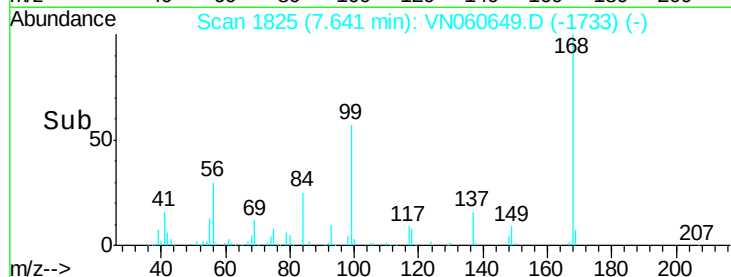
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.22 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060649.D

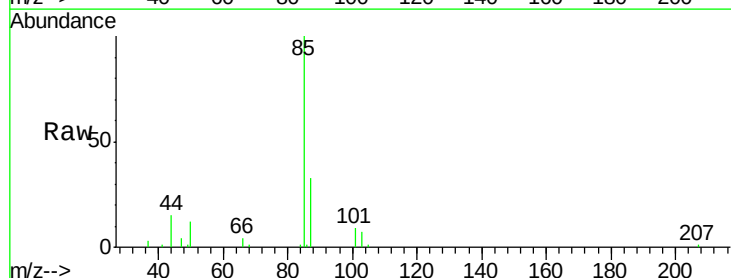
Acq: 20 Mar 2020 13:55

Tgt Ion: 85 Resp: 34838

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

10000

5000

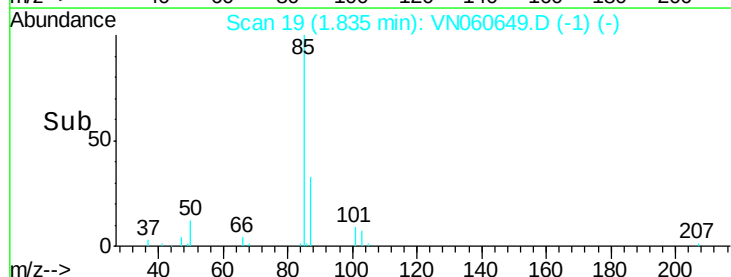
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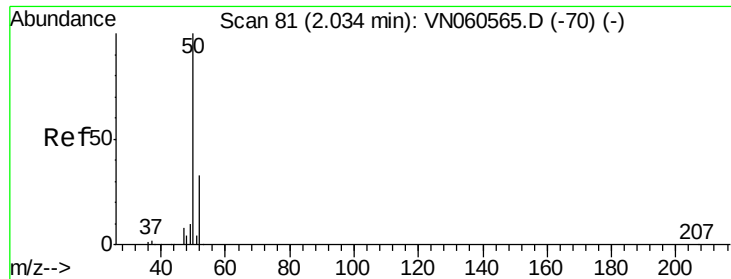
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.68 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 50 Resp: 59837

Ion Ratio Lower Upper

50 100

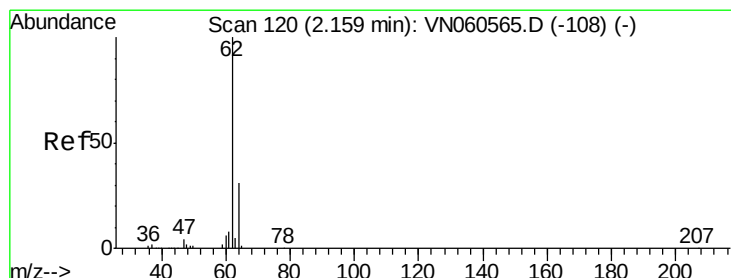
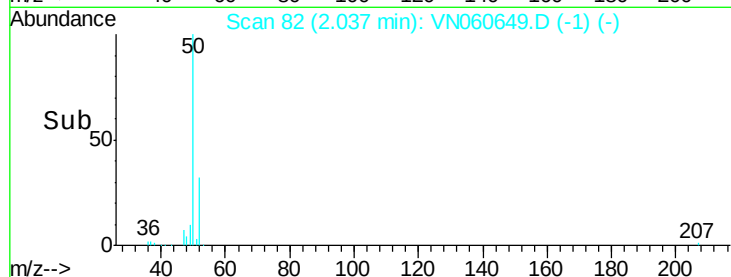
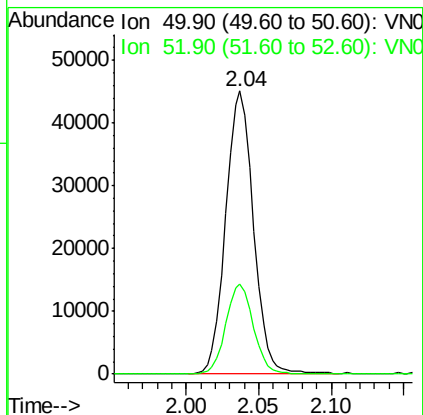
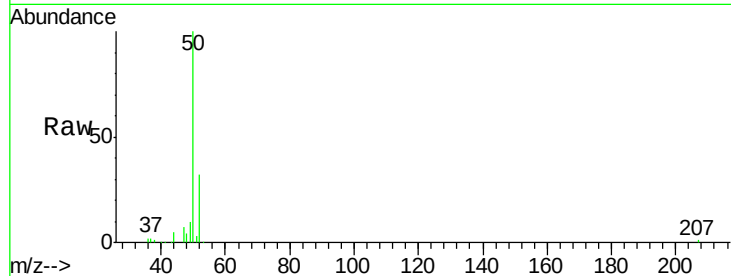
52 31.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.88 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060649.D

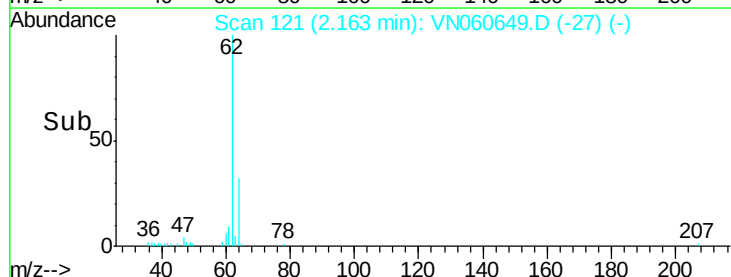
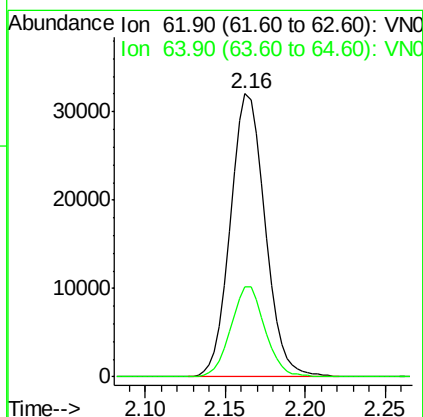
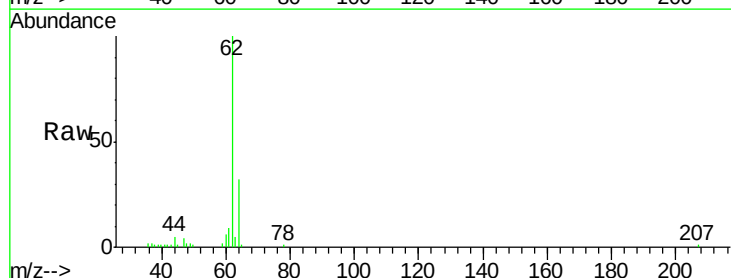
Acq: 20 Mar 2020 13:55

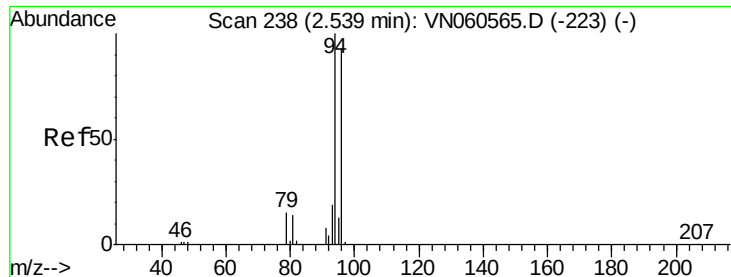
Tgt Ion: 62 Resp: 47335

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 20.20 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 94 Resp: 23088

Ion Ratio Lower Upper

94 100

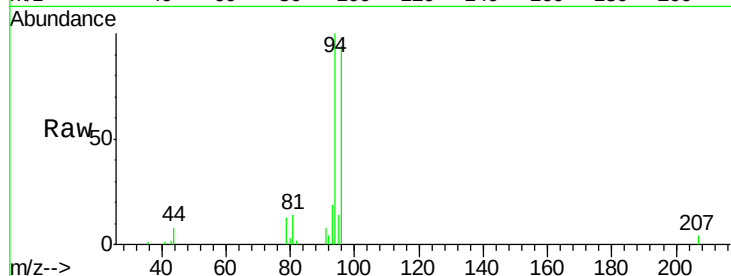
96 93.6 74.6 112.0

Manual Integrations

APPROVED

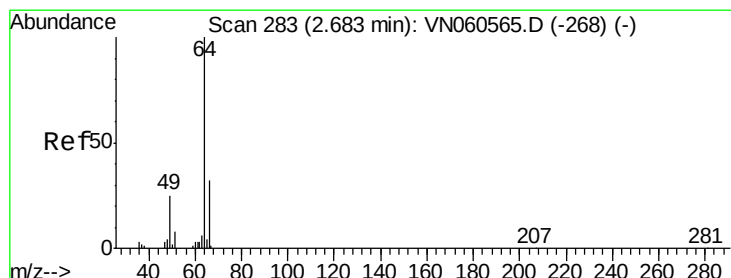
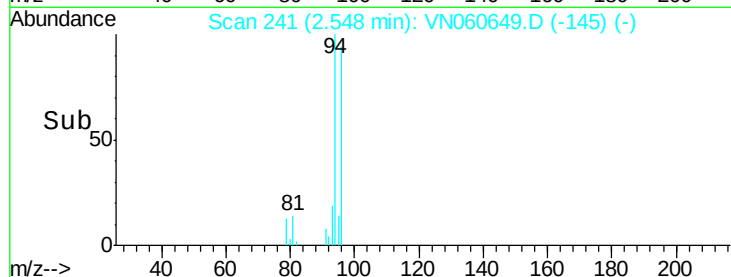
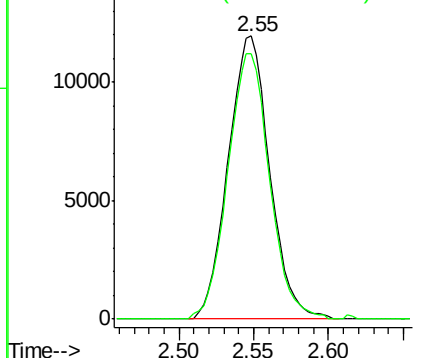
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.63 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060649.D

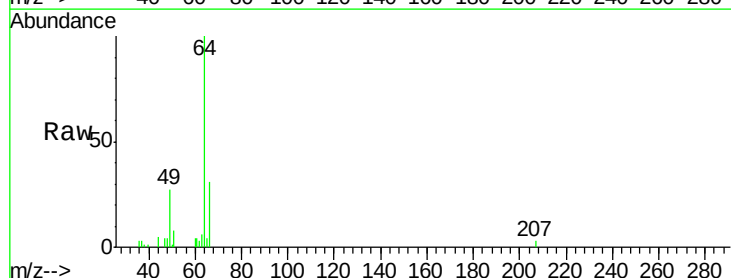
Acq: 20 Mar 2020 13:55

Tgt Ion: 64 Resp: 28412

Ion Ratio Lower Upper

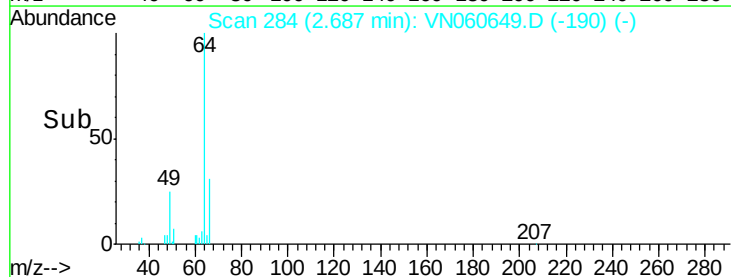
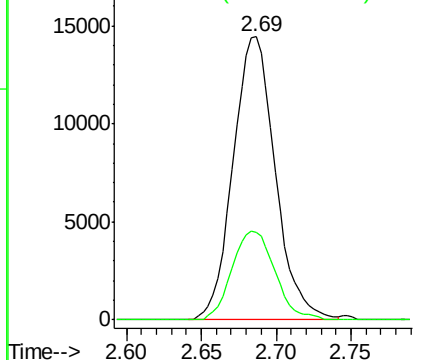
64 100

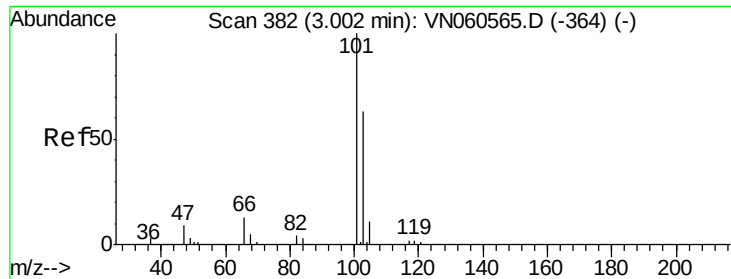
66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

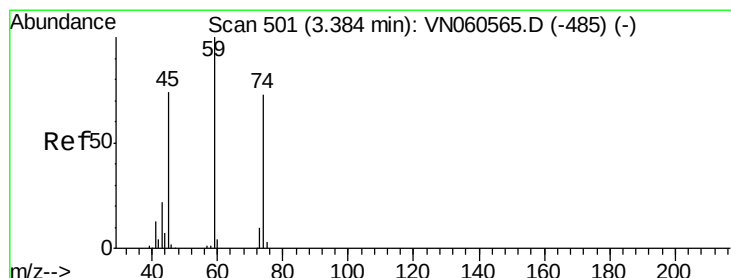
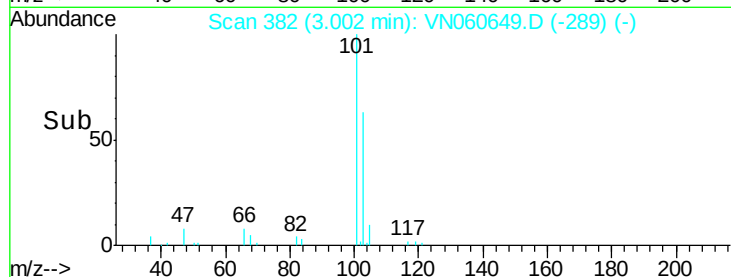
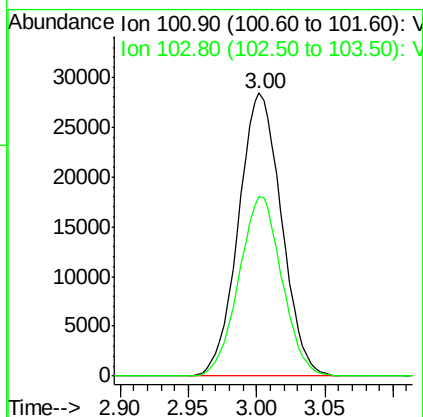
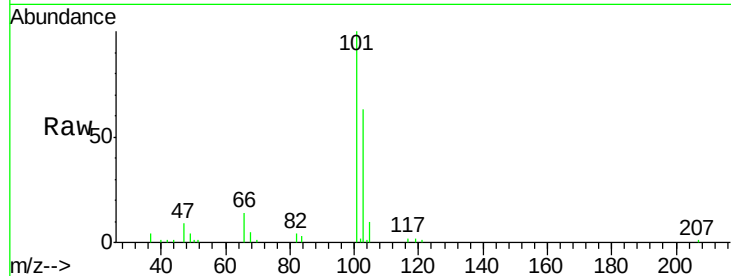
Trichlorofluoromethane
 Concen: 19.07 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

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Tgt Ion: 101 Resp: 62208
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.6 76.0

Manual Integrations
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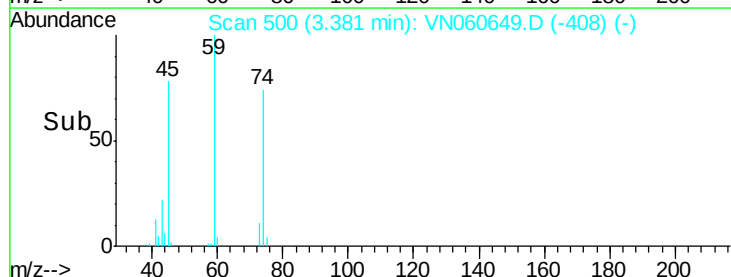
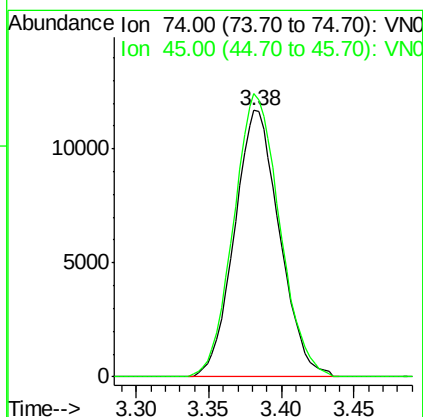
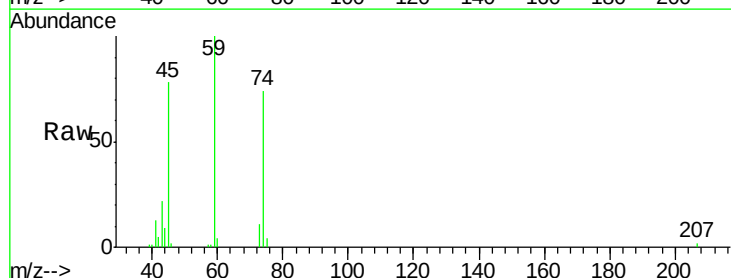
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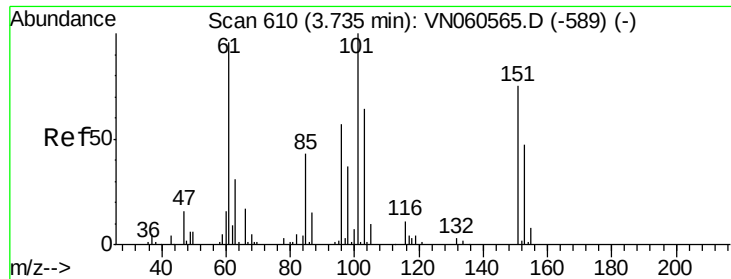


#8

Diethyl Ether
 Concen: 19.27 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 74 Resp: 25253
 Ion Ratio Lower Upper
 74 100
 45 108.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.39 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

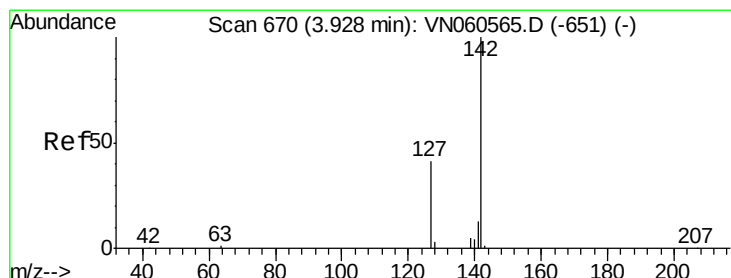
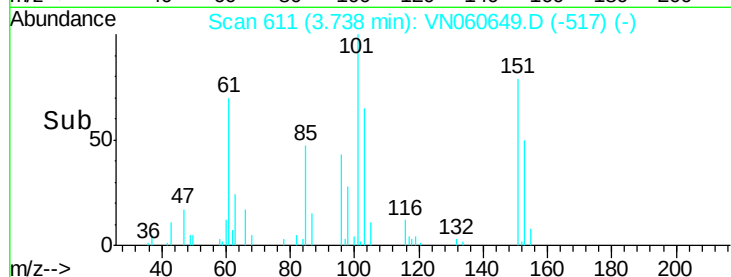
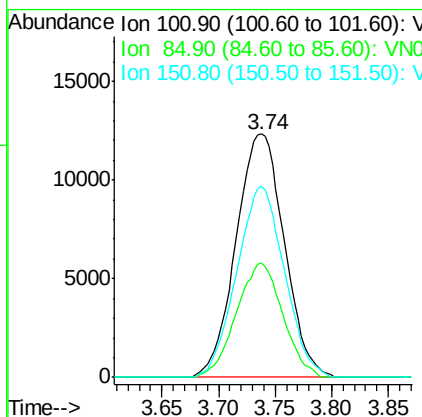
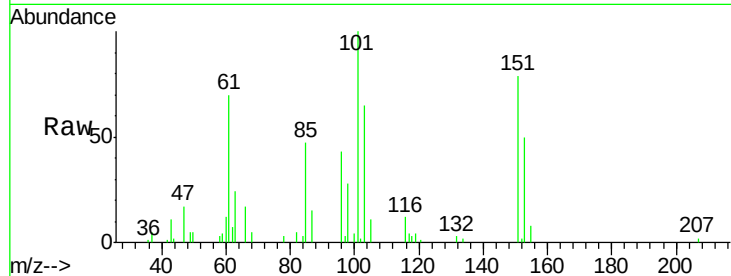
ClientSampleId :

VN0320WBSD01

Tgt Ion:	101	Resp:	36640
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.6	53.4
151	77.4	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.88 ug/l

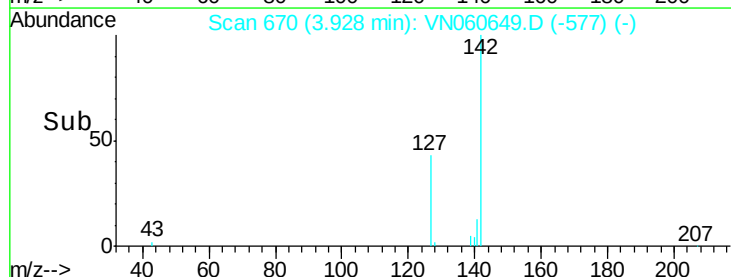
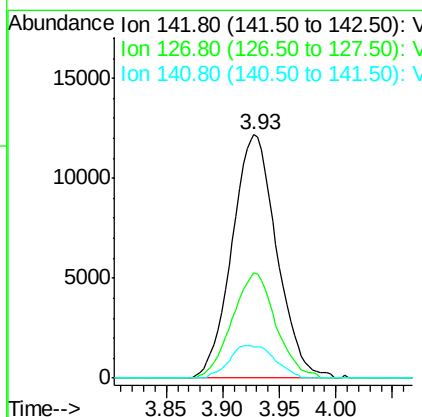
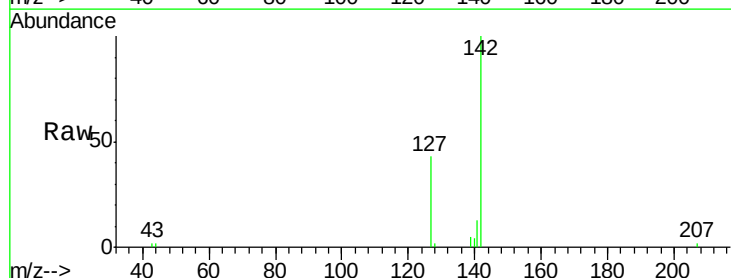
RT: 3.93 min Scan# 670

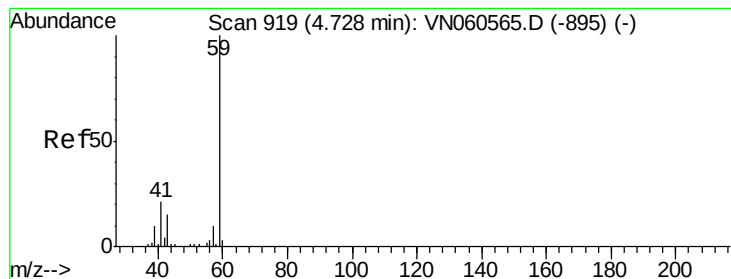
Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	142	Resp:	33425
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.5	50.3
141	13.6	11.0	16.6





#11

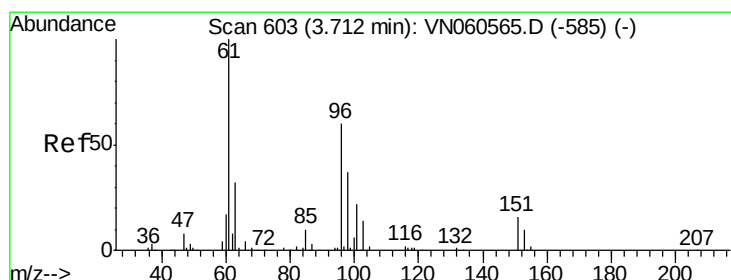
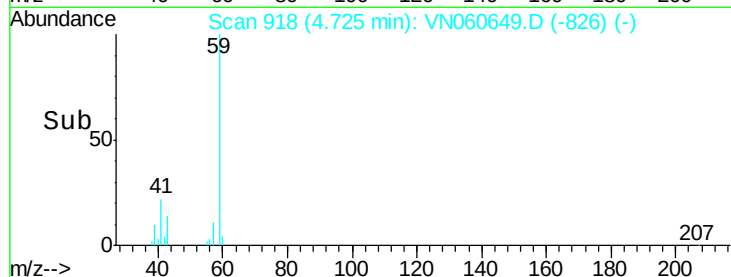
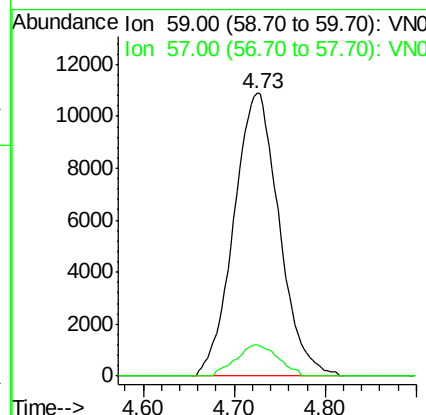
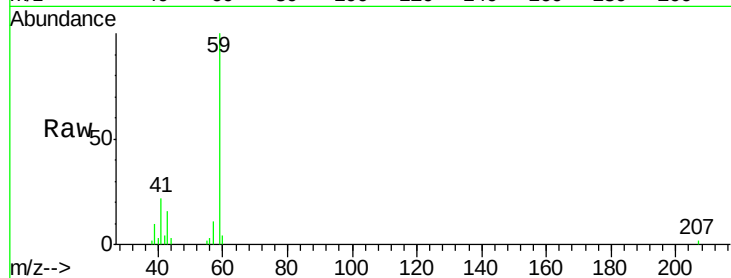
Tert butyl alcohol
Concen: 99.62 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion: 59 Resp: 37672
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

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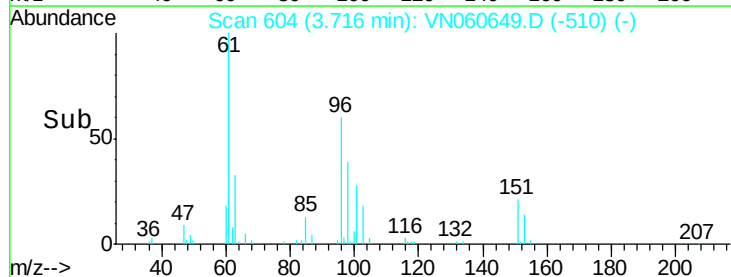
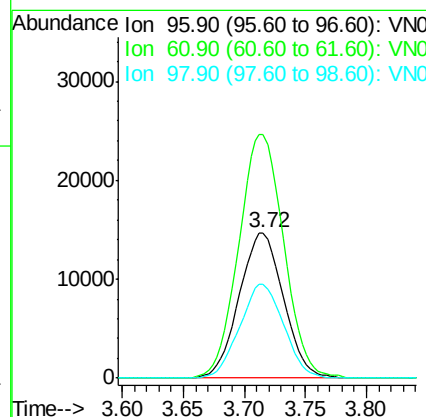
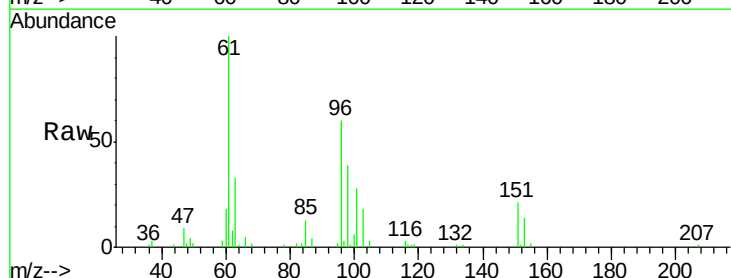
MMDadoda
3/23/2020 2:27:09 PM

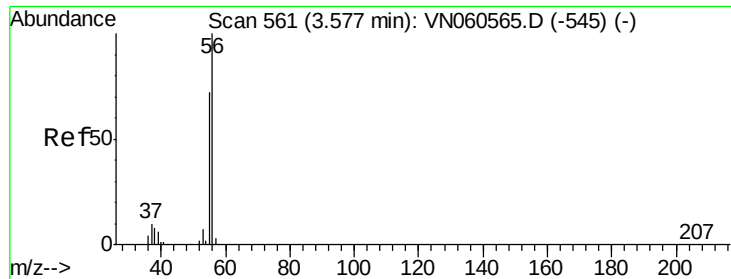


#12

1,1-Dichloroethene
Concen: 18.20 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 96 Resp: 36912
Ion Ratio Lower Upper
96 100
61 167.4 134.1 201.1
98 64.5 49.9 74.9





#13

Acrolein

Concen: 73.09 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 56 Resp: 30633

Ion Ratio Lower Upper

56 100

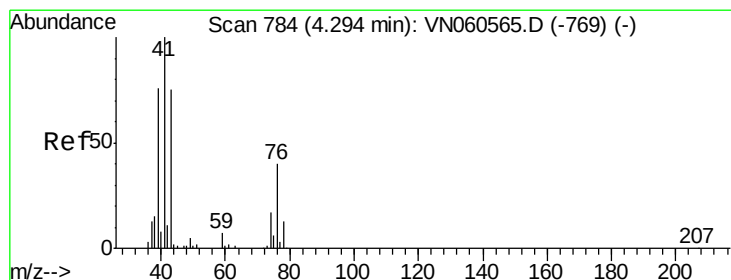
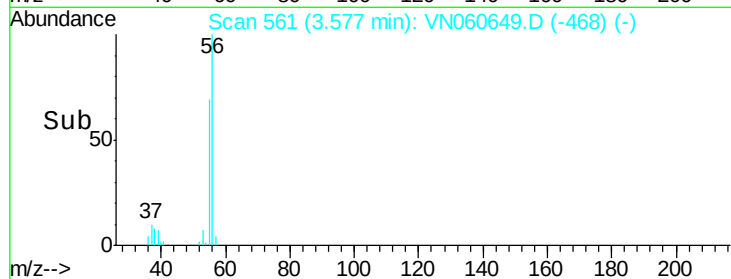
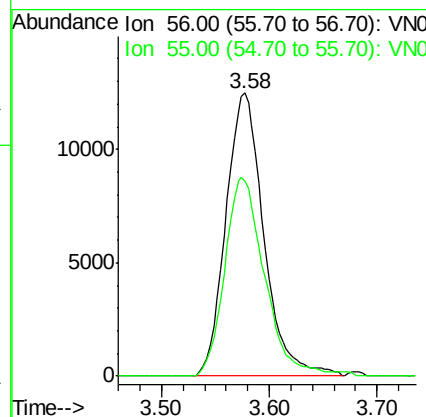
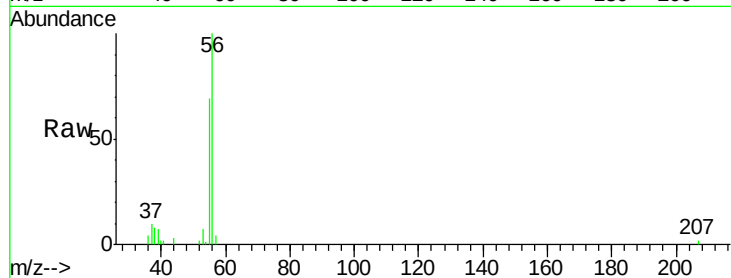
55 72.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.51 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

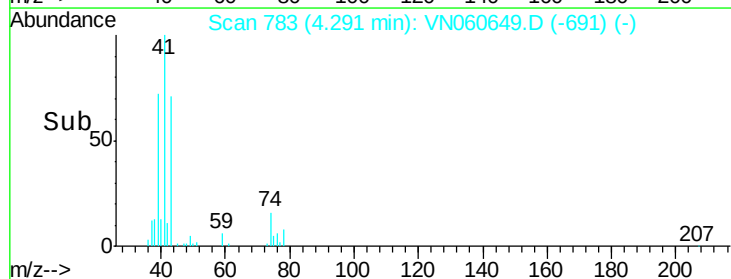
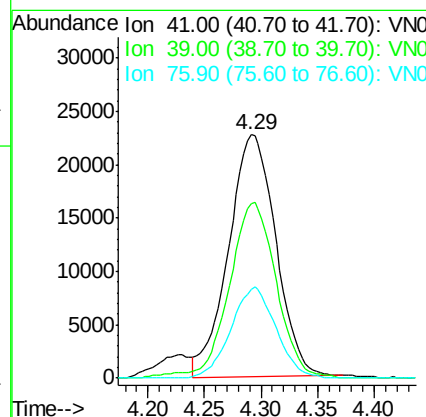
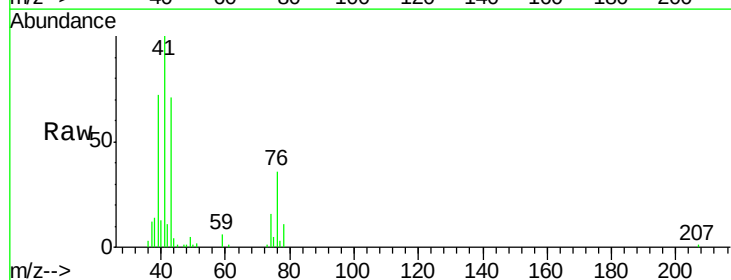
Tgt Ion: 41 Resp: 66040

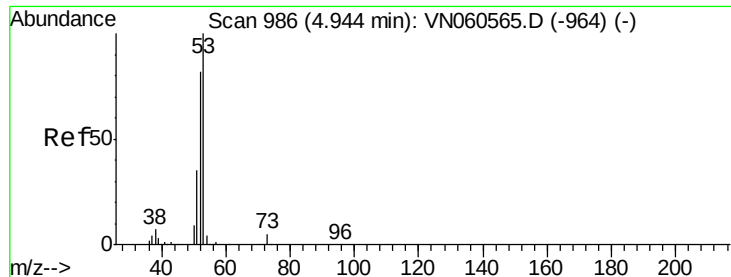
Ion Ratio Lower Upper

41 100

39 72.7 57.8 86.8

76 35.7 28.6 43.0





#15

Acrylonitrile

Concen: 98.89 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

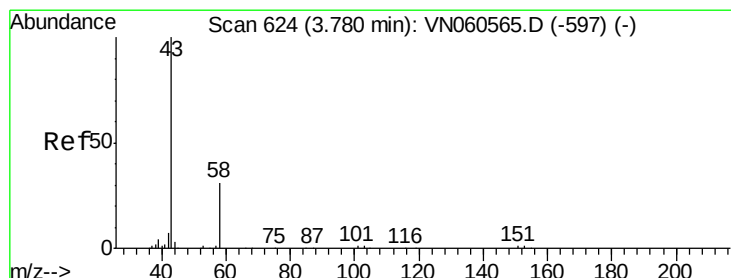
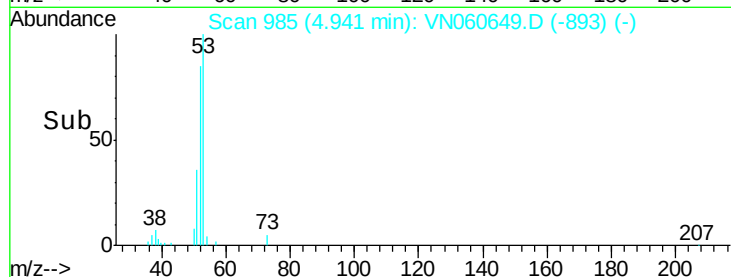
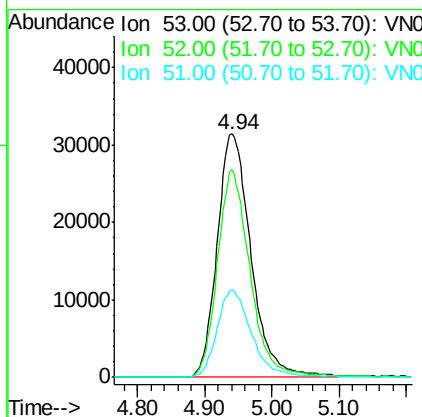
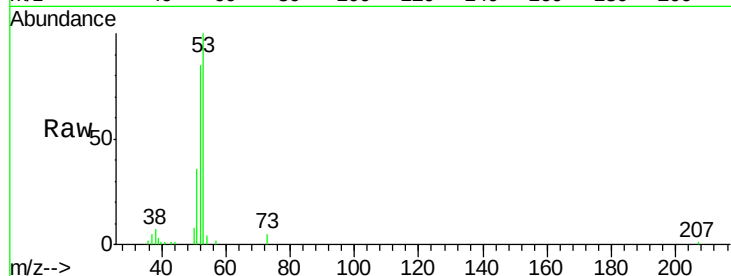
ClientSampleId :

VN0320WBSD01

Tgt Ion:	53	Resp:	109974
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.4
51	36.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 101.55 ug/l

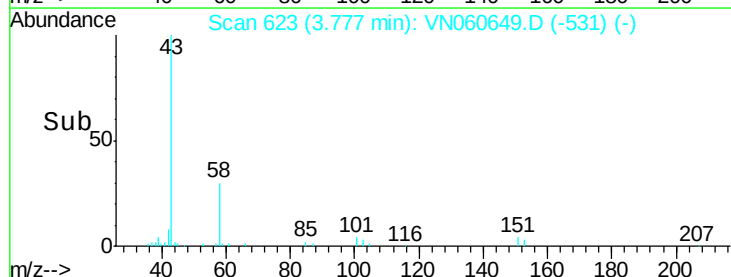
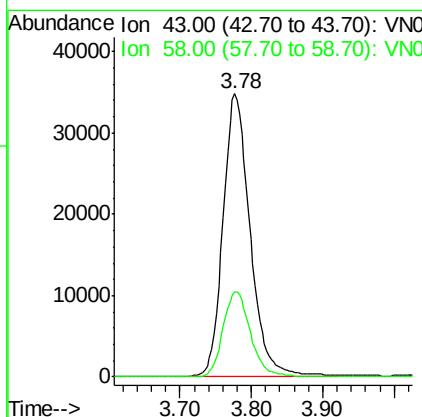
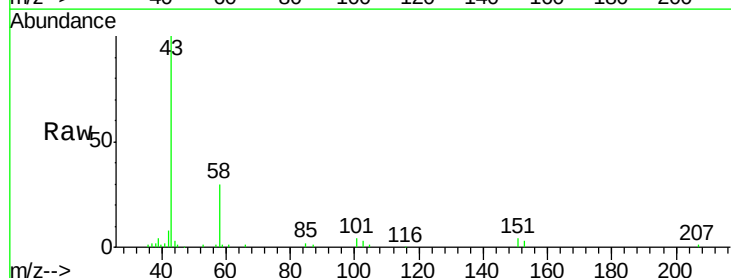
RT: 3.78 min Scan# 623

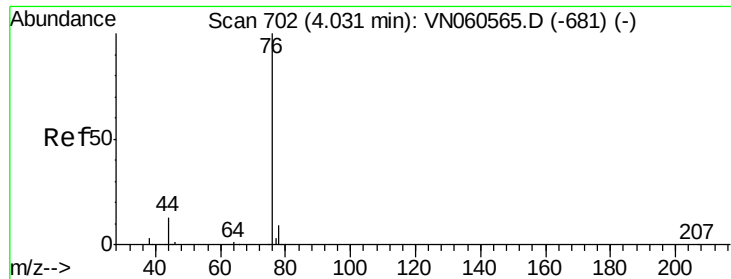
Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	43	Resp:	92494
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.1	37.7





#17

Carbon Disulfide

Concen: 18.22 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 76 Resp: 112347

Ion Ratio Lower Upper

76 100

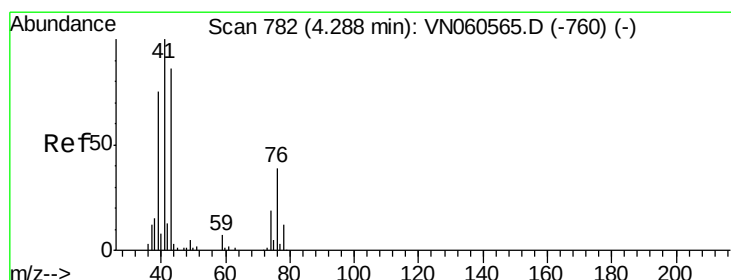
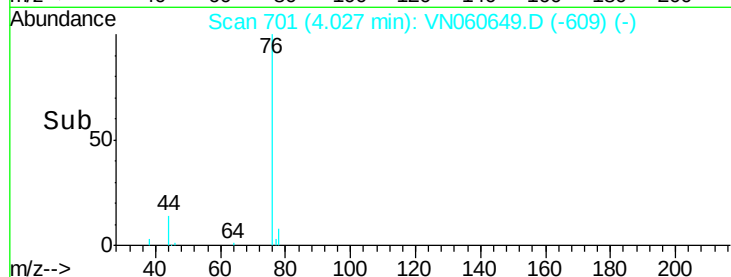
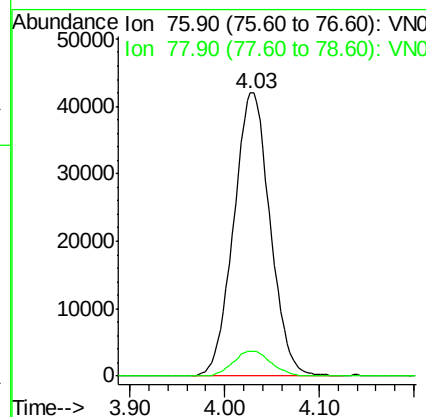
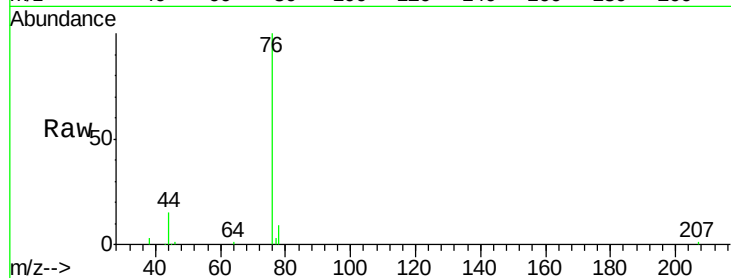
78 9.0 7.2 10.8

Manual Integrations

APPROVED

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#18

Methyl Acetate

Concen: 19.72 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060649.D

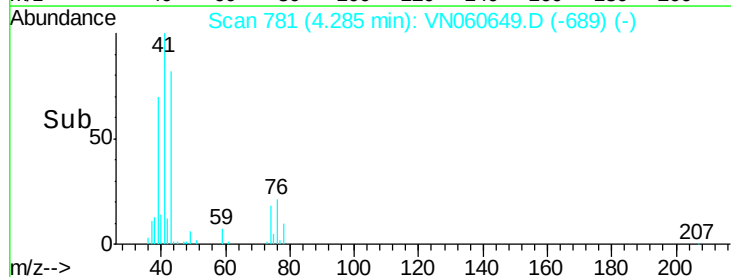
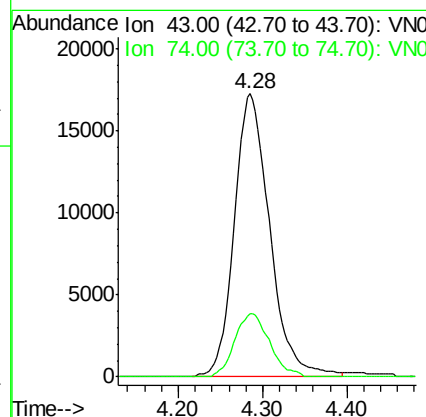
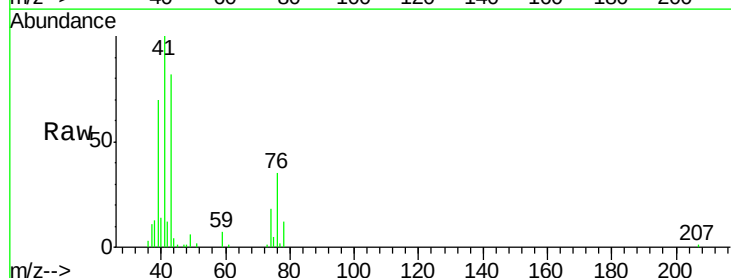
Acq: 20 Mar 2020 13:55

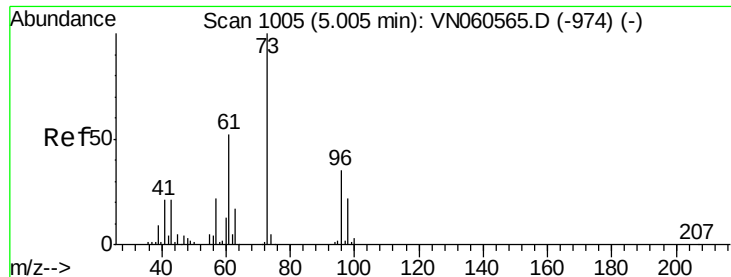
Tgt Ion: 43 Resp: 50555

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3





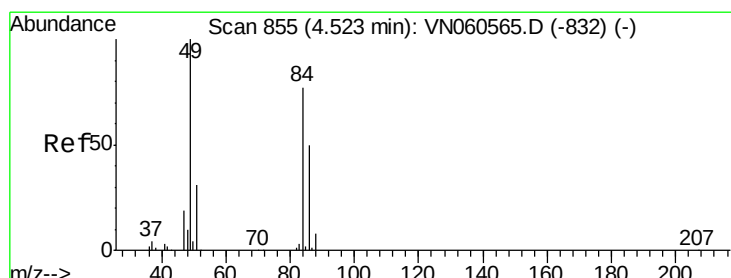
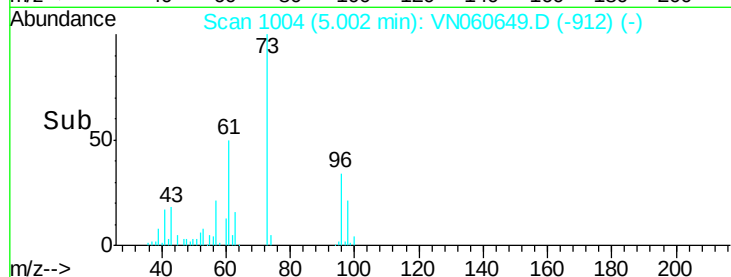
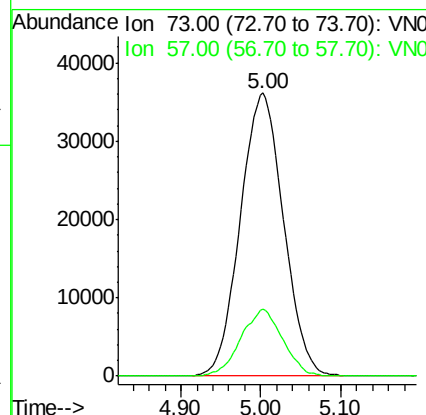
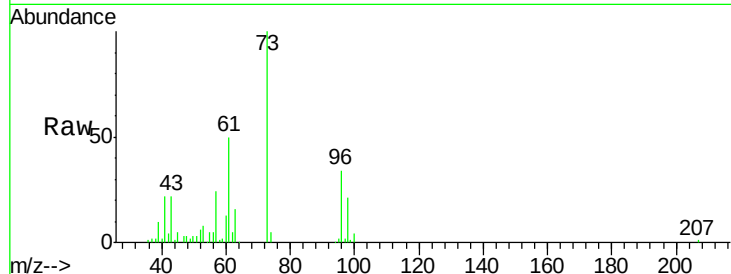
#19
Methyl tert-butyl Ether
Concen: 19.04 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion: 73 Resp: 132770
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3

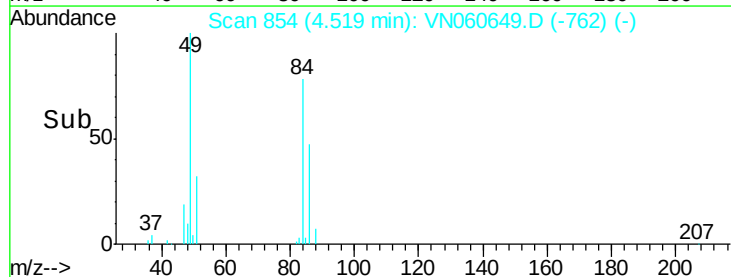
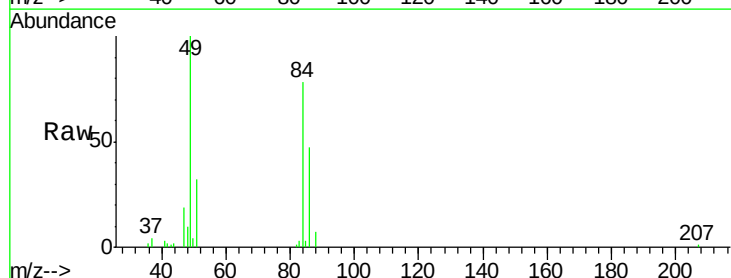
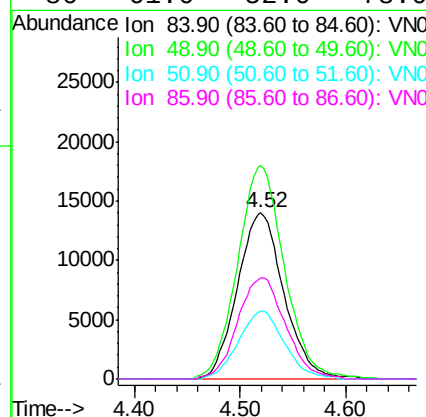
Manual Integrations
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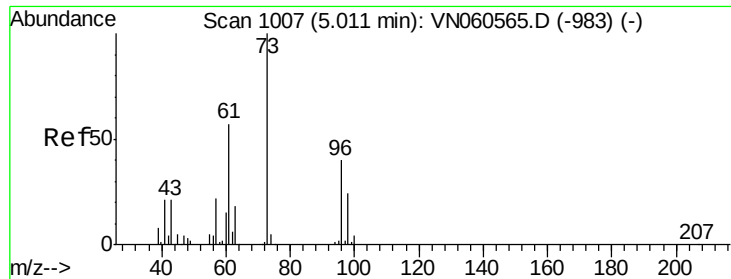
MMDadoda
3/23/2020 2:27:09 PM



#20
Methylene Chloride
Concen: 19.10 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 84 Resp: 42792
Ion Ratio Lower Upper
84 100
49 128.8 103.3 154.9
51 41.1 31.6 47.4
86 61.0 52.0 78.0





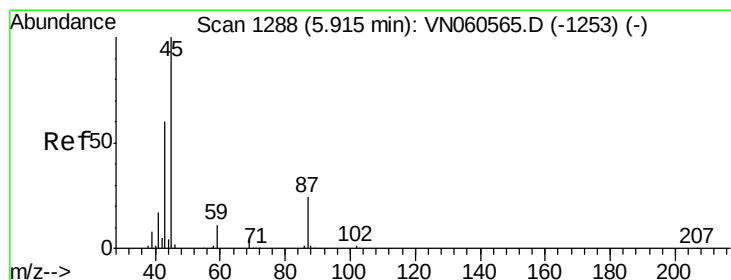
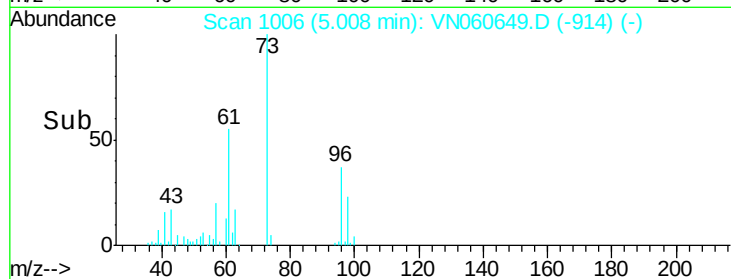
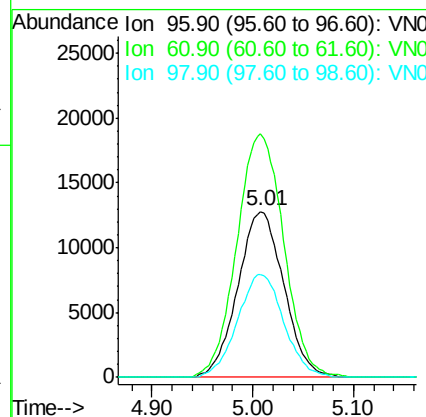
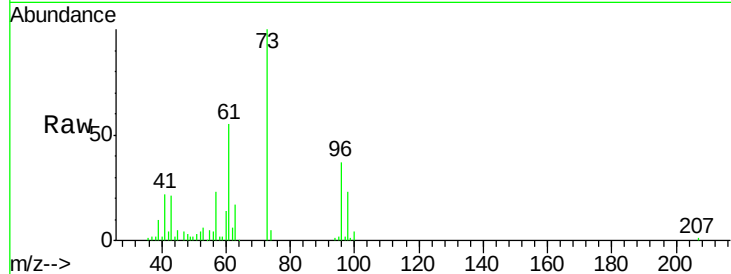
#21
trans-1,2-Dichloroethene
Concen: 18.71 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	114.4	171.6
98	62.2	48.4	72.6

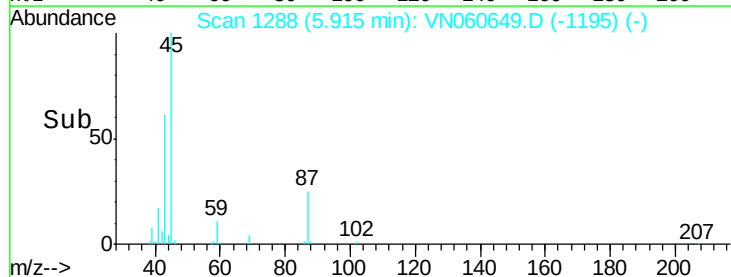
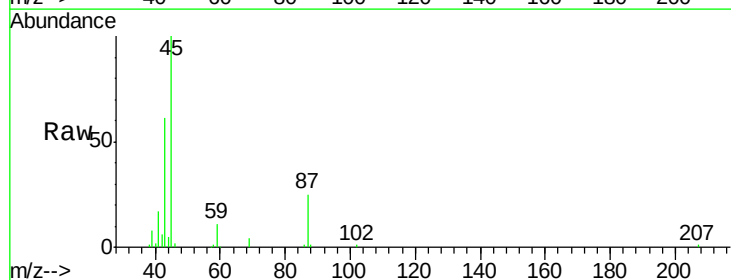
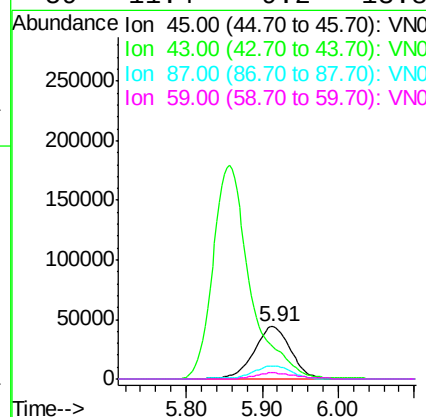
Manual Integrations
APPROVED

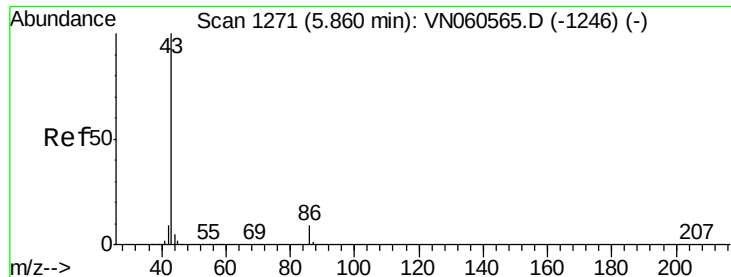
MMDadoda
3/23/2020 2:27:09 PM



#22
Diisopropyl ether
Concen: 19.64 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	49.8	74.8
87	25.2	20.1	30.1
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 99.07 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 43 Resp: 609107

Ion Ratio Lower Upper

43 100

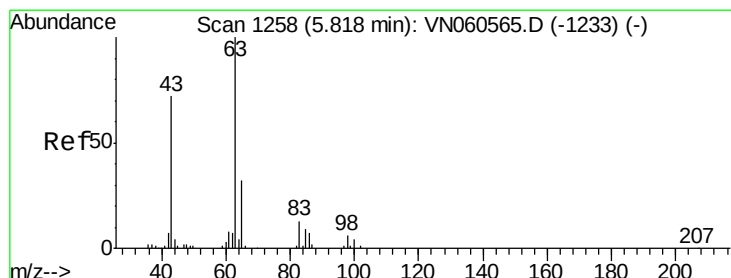
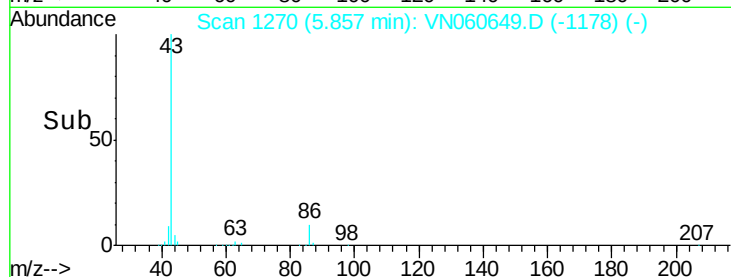
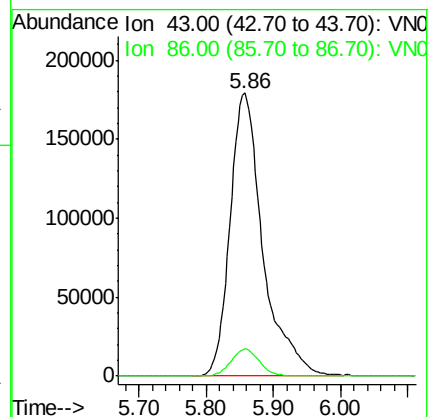
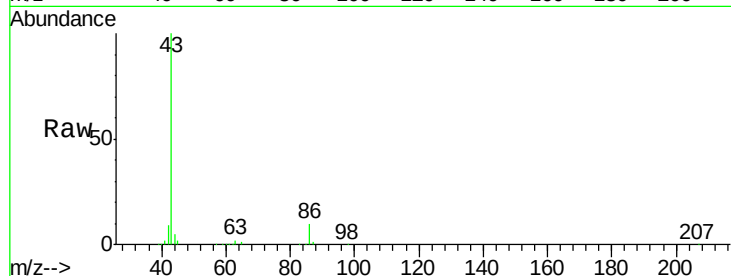
86 9.5 7.6 11.4

Manual Integrations

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MMDadoda

3/23/2020 2:27:09 PM



#24

1,1-Dichloroethane

Concen: 19.41 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

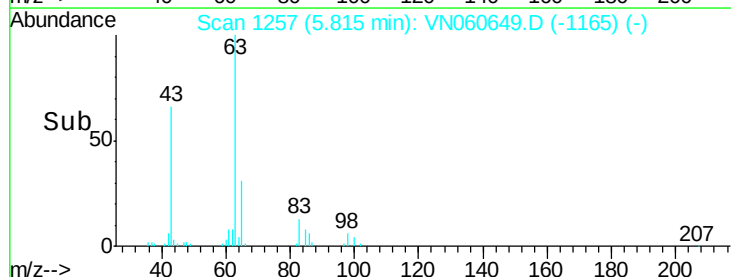
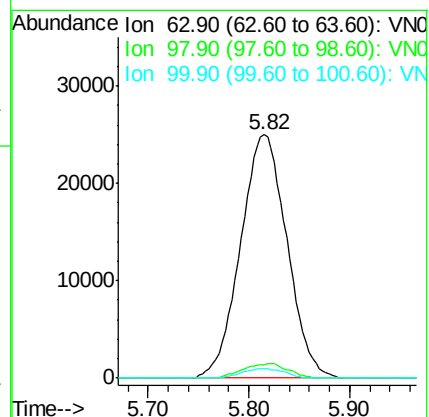
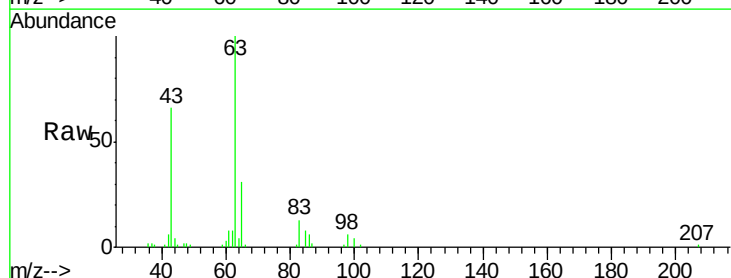
Tgt Ion: 63 Resp: 79719

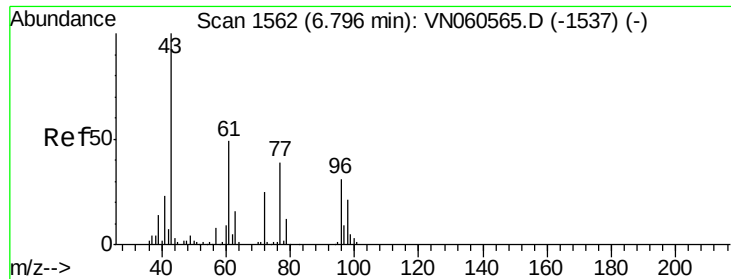
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.9 1.8 5.5





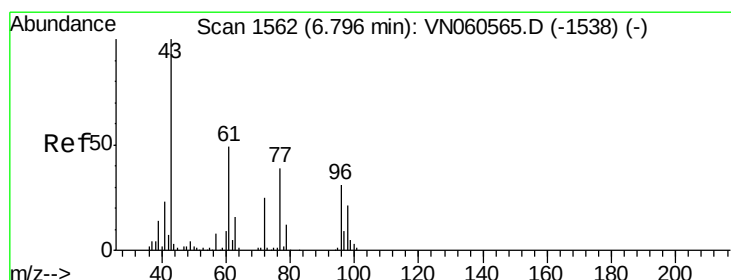
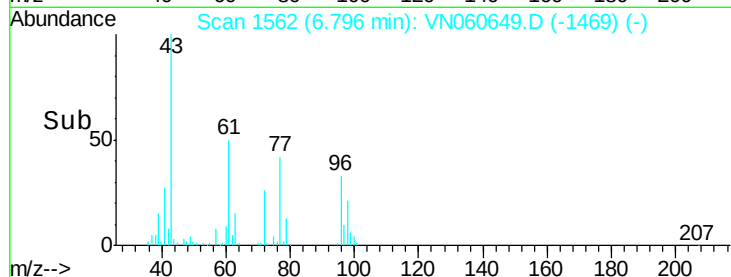
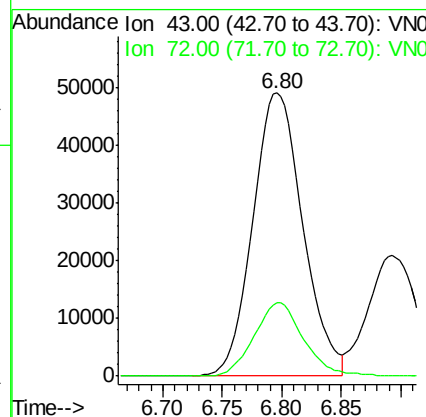
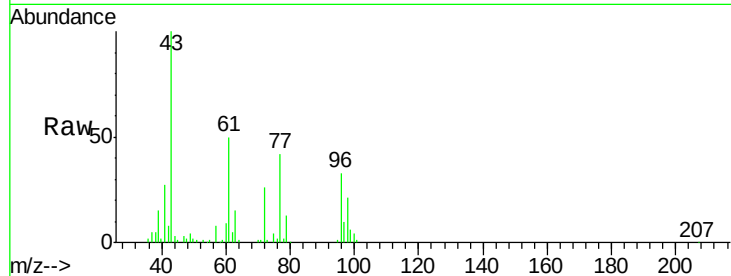
#25
2-Butanone
Concen: 96.85 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion: 43 Resp: 142741
Ion Ratio Lower Upper
43 100
72 25.8 20.4 30.6

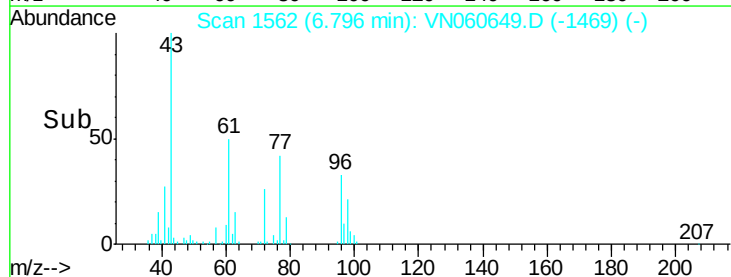
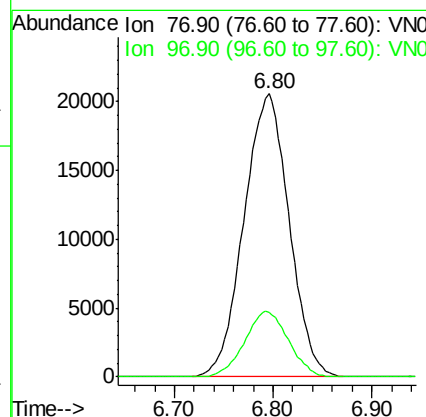
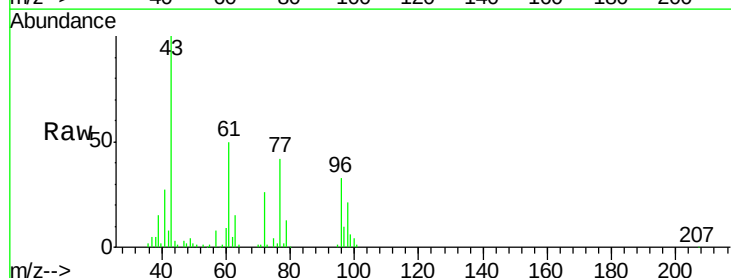
Manual Integrations
APPROVED

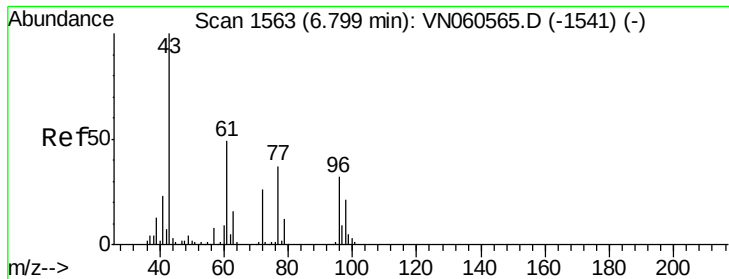
MMDadoda
3/23/2020 2:27:09 PM



#26
2,2-Dichloropropane
Concen: 20.18 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 77 Resp: 65210
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.20 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

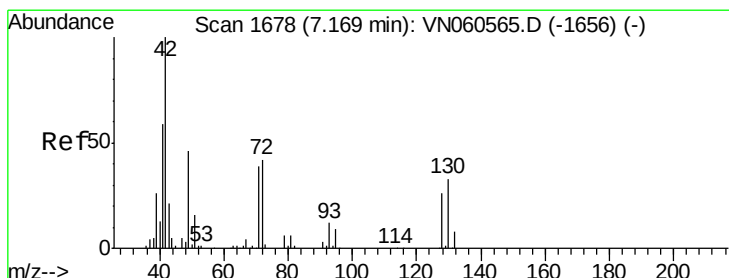
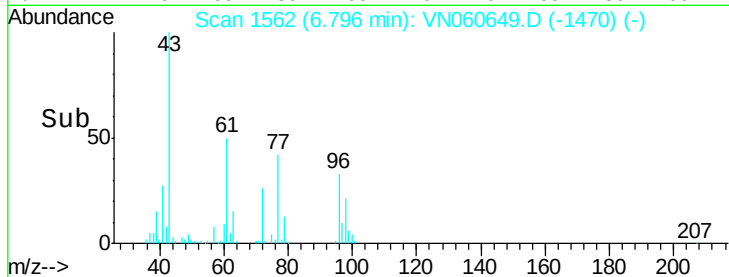
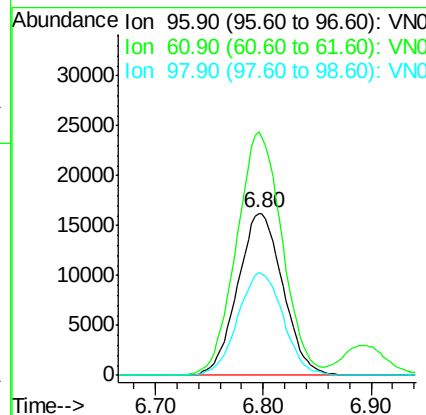
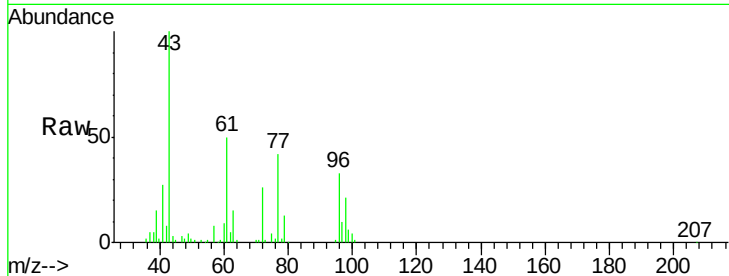
ClientSampleId :

VN0320WBSD01

Tgt Ion:	96	Resp:	47162
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	305.6
98	63.5	0.0	127.6

Manual Integrations
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3/23/2020 2:27:09 PM



#28

Bromochloromethane

Concen: 20.65 ug/l

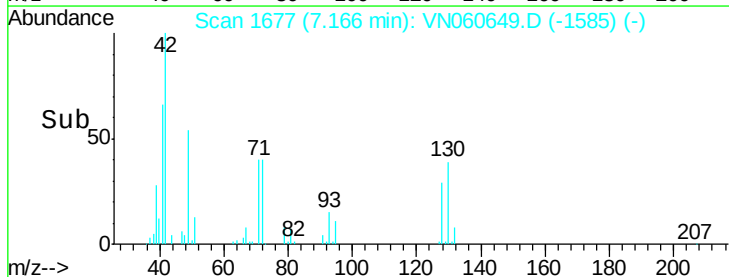
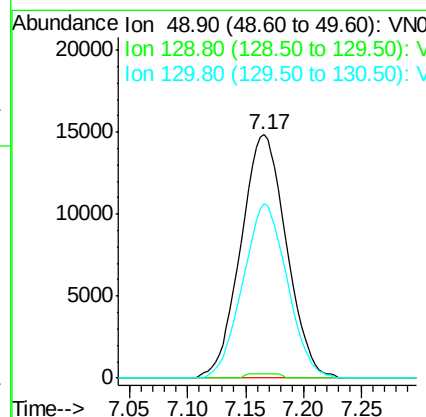
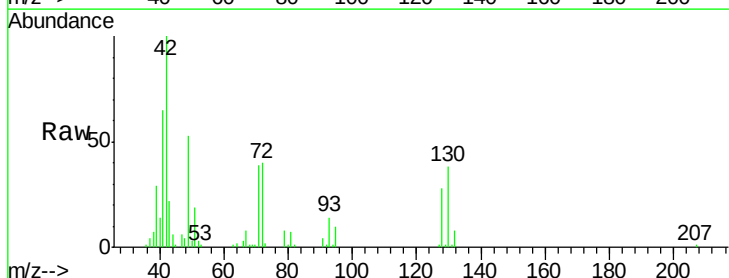
RT: 7.17 min Scan# 1677

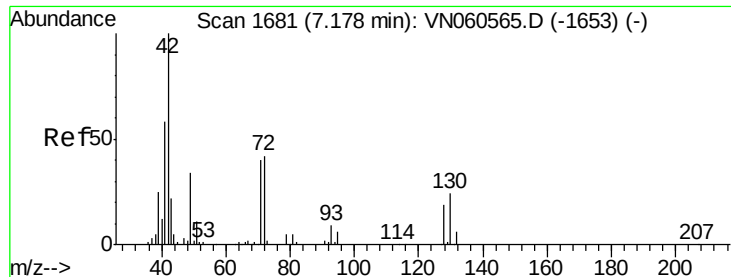
Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	49	Resp:	40580
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	69.7	55.0	82.4





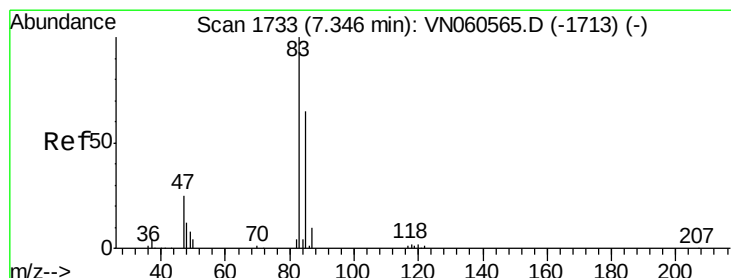
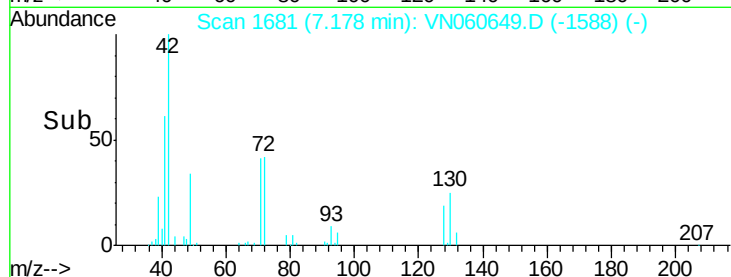
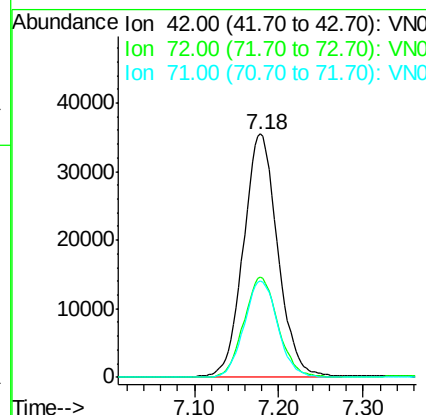
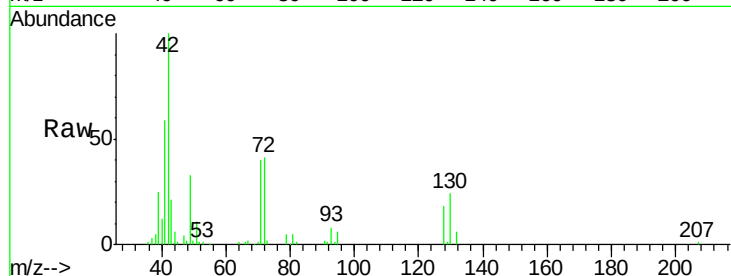
#29
Tetrahydrofuran
Concen: 96.58 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.2	49.8
71	38.4	31.1	46.7

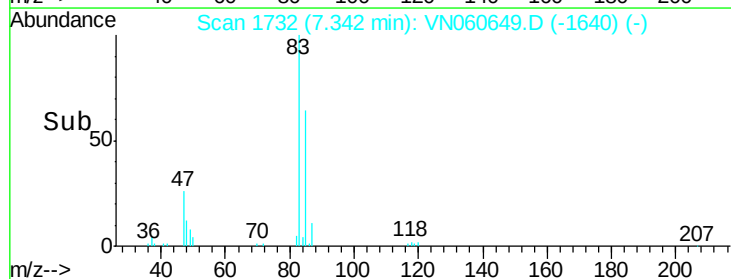
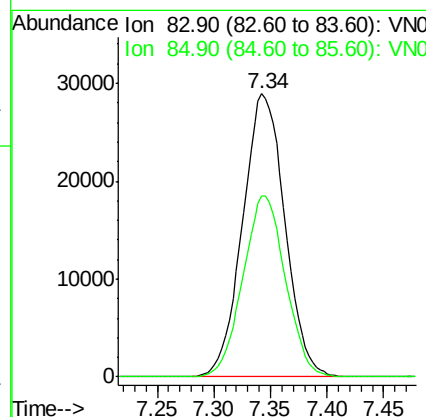
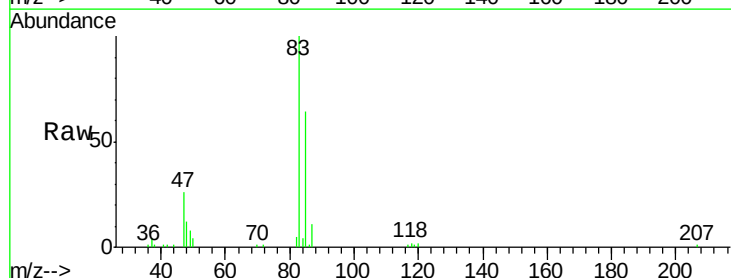
Manual Integrations
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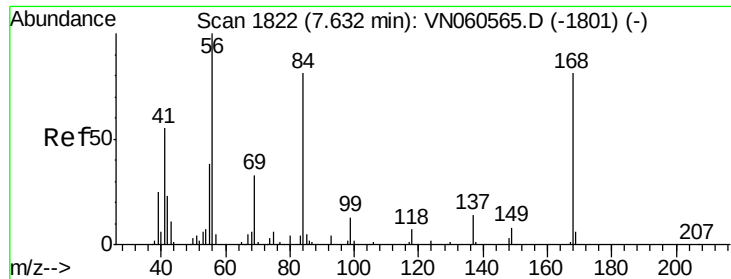
MMDadoda
3/23/2020 2:27:09 PM



#30
Chloroform
Concen: 19.10 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





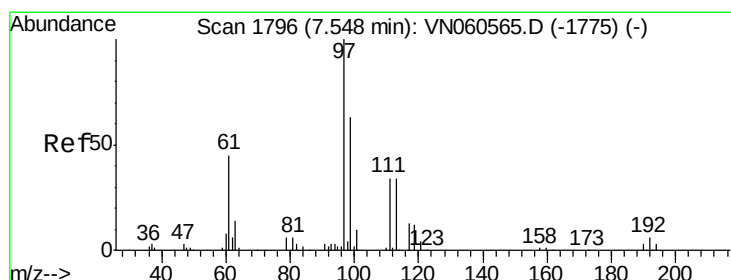
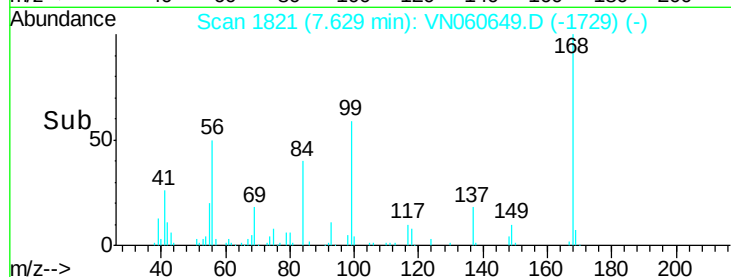
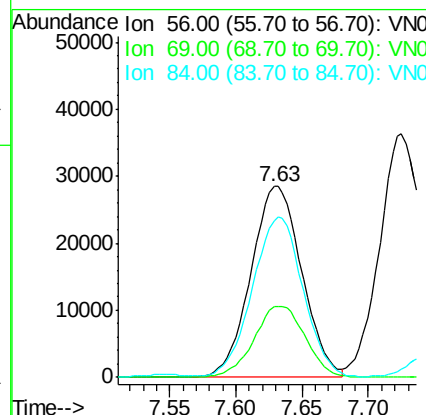
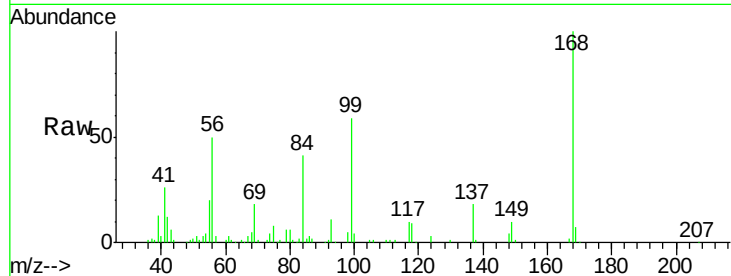
#31
Cyclohexane
Concen: 18.47 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.6	40.0
84	81.5	64.3	96.5

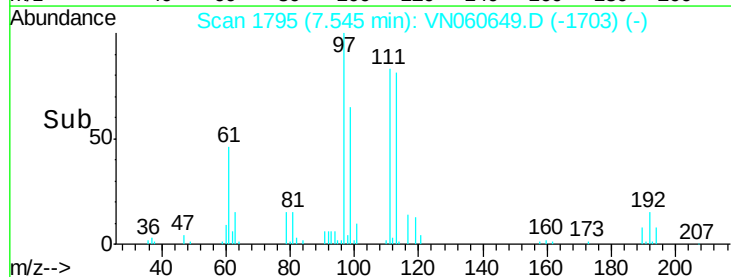
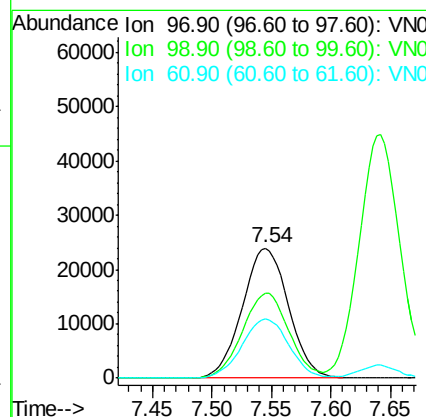
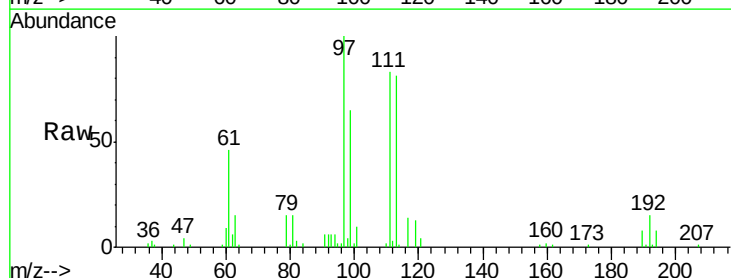
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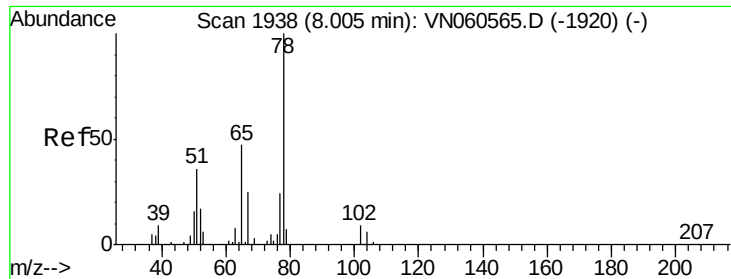
MMDadoda
3/23/2020 2:27:09 PM



#32
1,1,1-Trichloroethane
Concen: 18.92 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.6	75.8
61	46.3	36.2	54.4





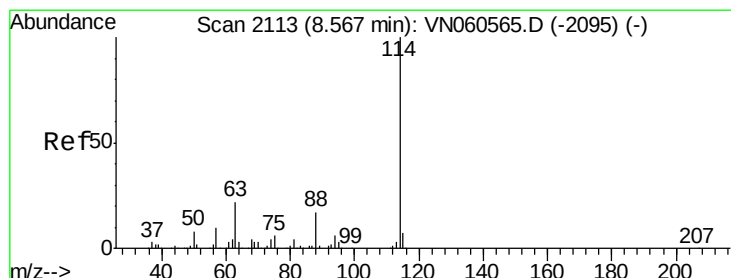
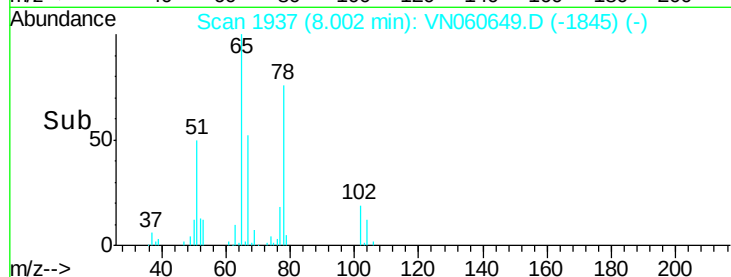
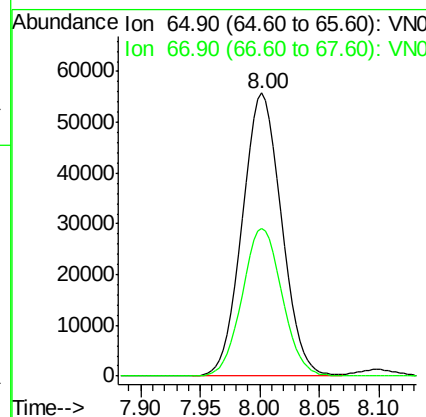
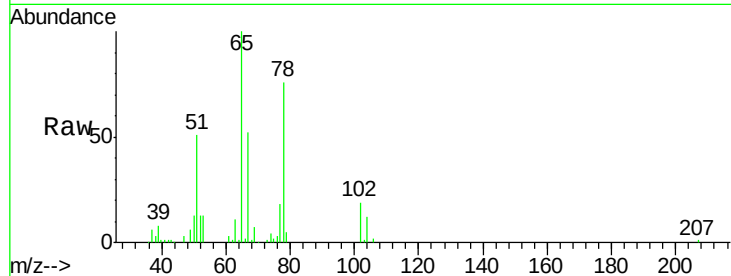
#33
 1,2-Dichloroethane-d4
 Concen: 49.74 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion: 65 Resp: 127908
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6

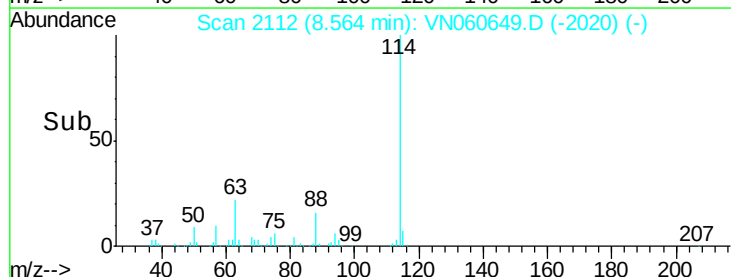
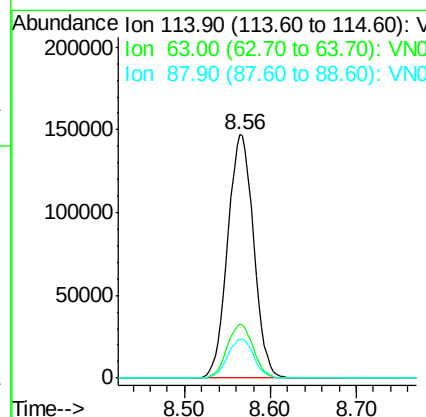
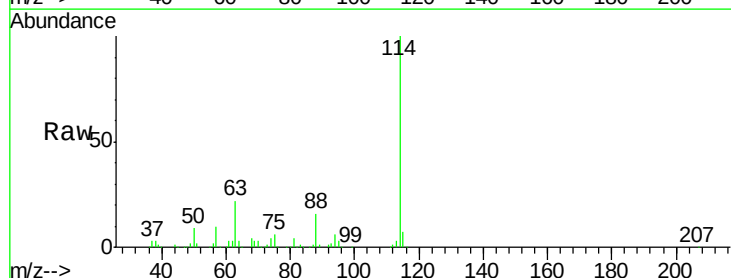
Manual Integrations
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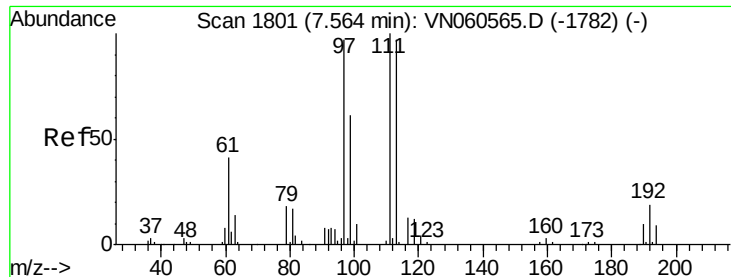
MMDadoda
 3/23/2020 2:27:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 114 Resp: 308783
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.1 0.0 33.0





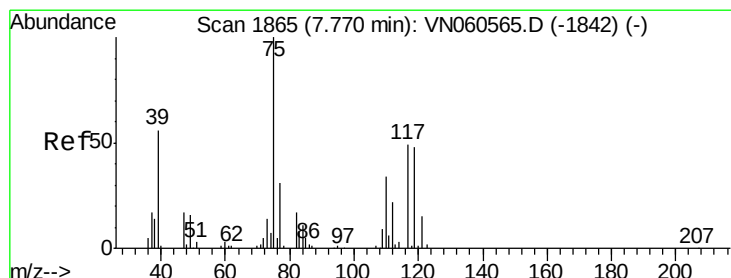
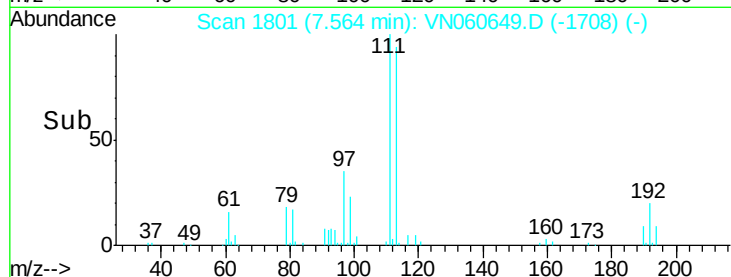
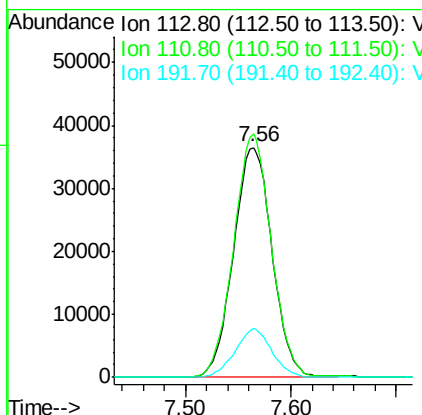
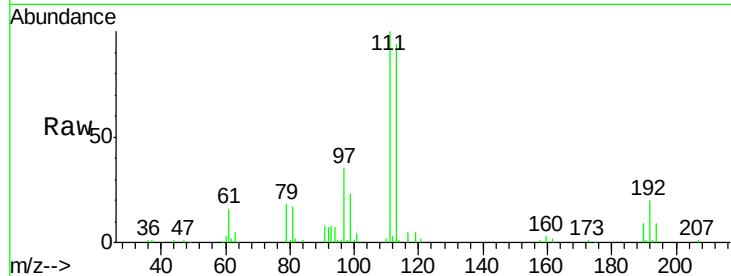
#35
 Dibromofluoromethane
 Concen: 49.75 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	92882		
111	103.1	82.9	124.3	
192	20.0	15.8	23.8	

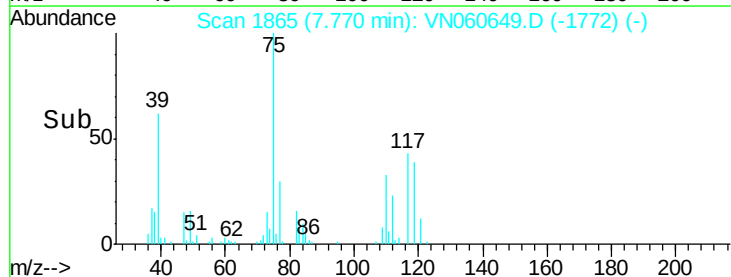
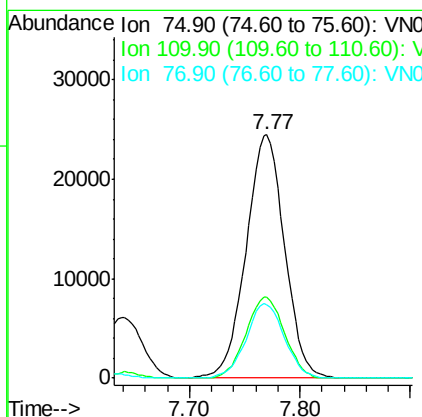
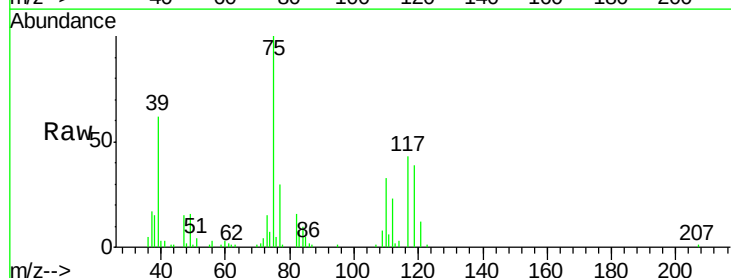
Manual Integrations
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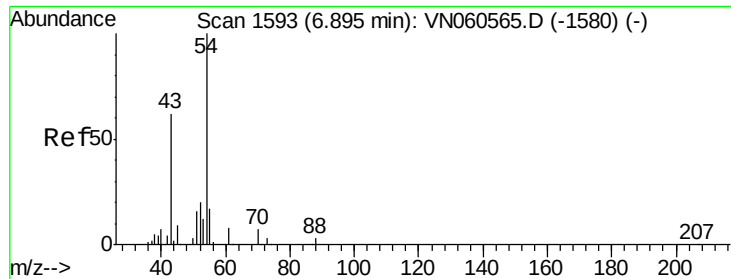
MMDadoda
 3/23/2020 2:27:09 PM



#36
 1,1-Dichloropropene
 Concen: 19.71 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58926		
110	33.4	16.9	50.6	
77	30.4	24.6	36.8	





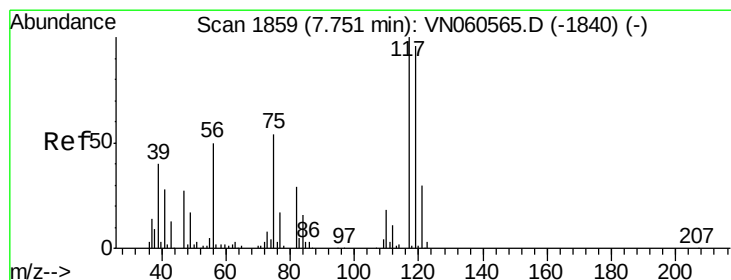
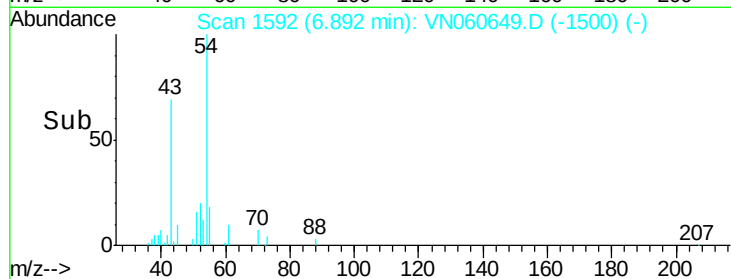
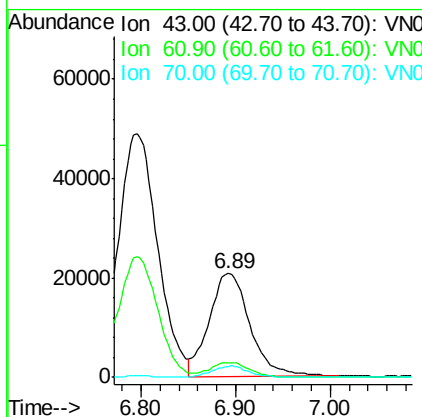
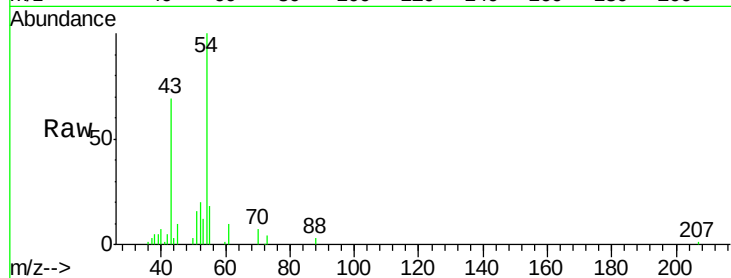
#37
Ethyl Acetate
 Concen: 19.30 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.8	7.9	11.9

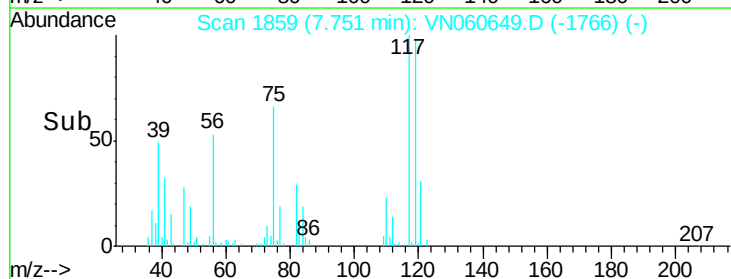
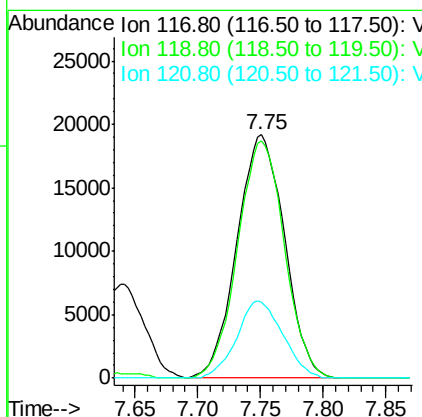
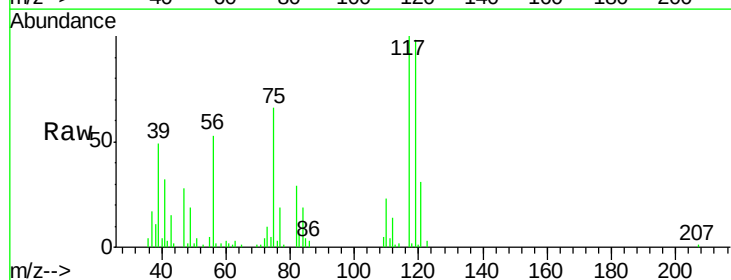
Manual Integrations
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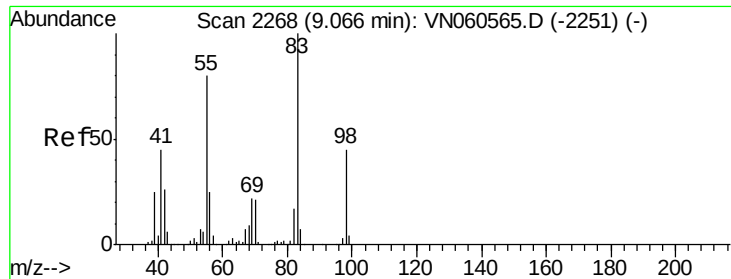
MMDadoda
 3/23/2020 2:27:09 PM



#38
Carbon Tetrachloride
 Concen: 18.87 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.2
121	31.1	23.7	35.5





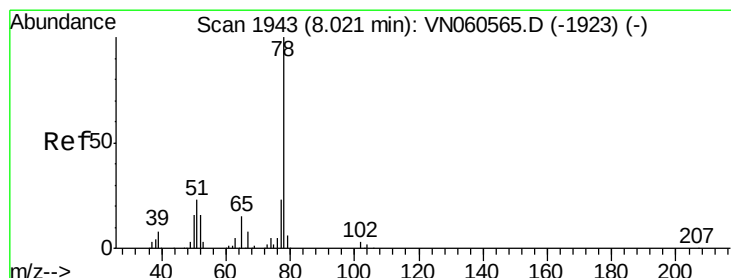
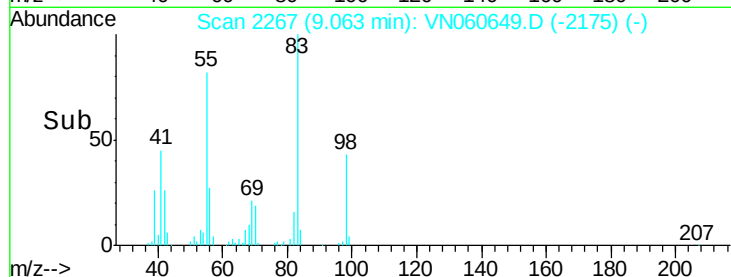
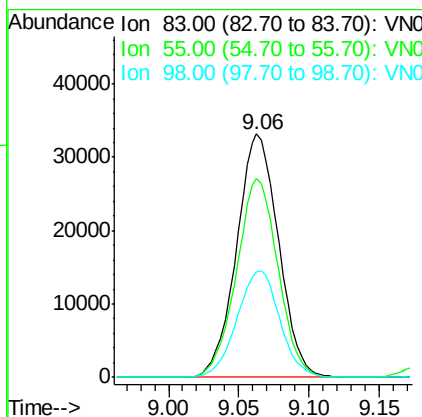
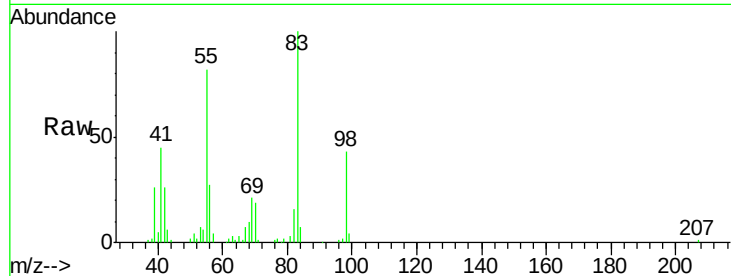
#39
Methylcyclohexane
Concen: 19.40 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	68930		
55	81.7	63.6	95.4	
98	43.3	36.0	54.0	

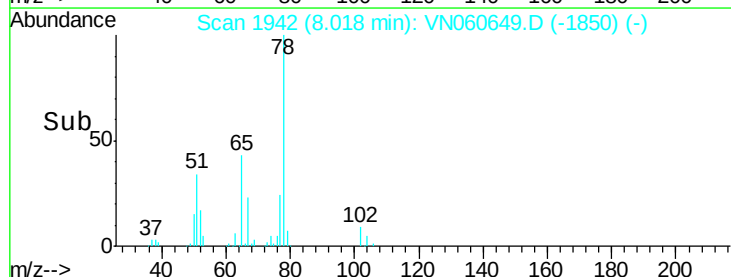
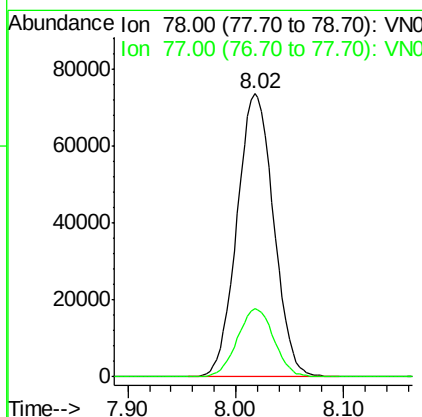
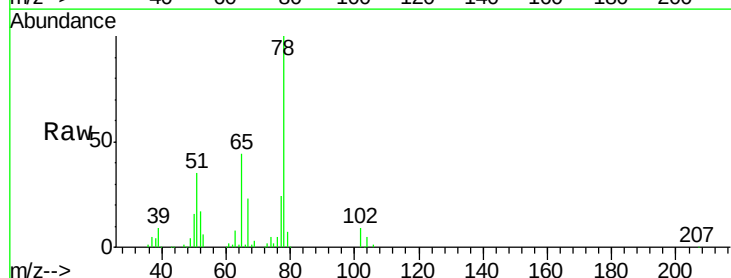
Manual Integrations
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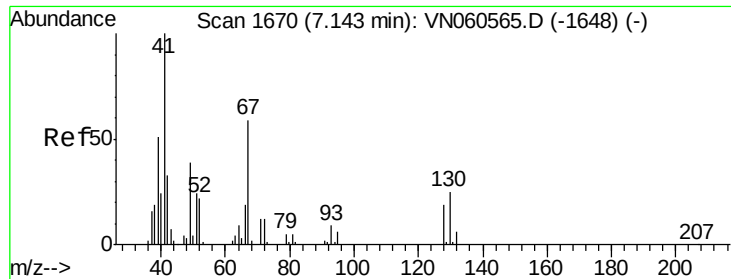
MMDadoda
3/23/2020 2:27:09 PM



#40
Benzene
Concen: 19.27 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	173969		
77	24.1	18.6	28.0	





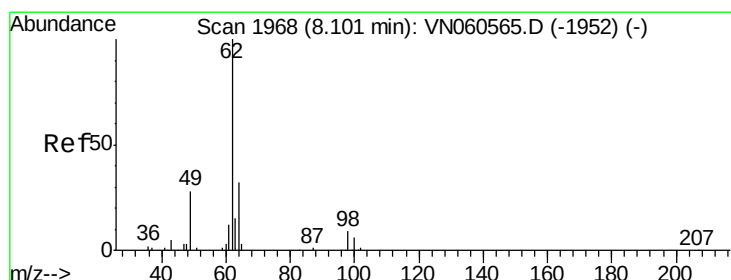
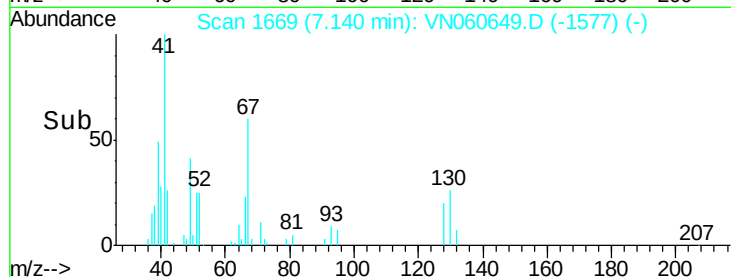
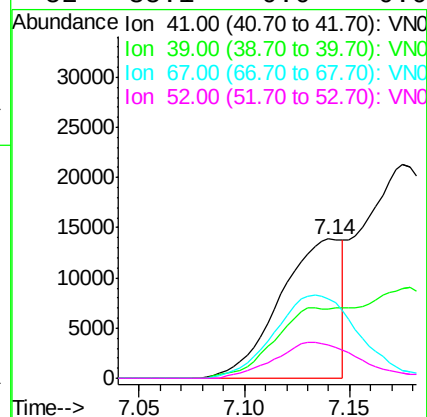
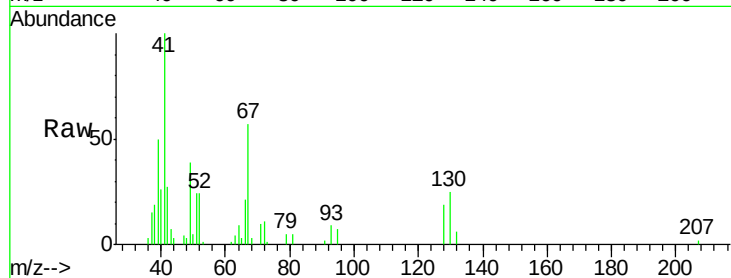
#41
Methacrylonitrile
Concen: 20.61 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	44.1	0.0	0.0#
67	81.8	0.0	0.0#
52	35.1	0.0	0.0#

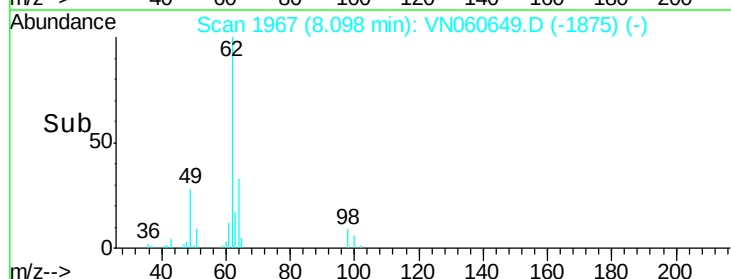
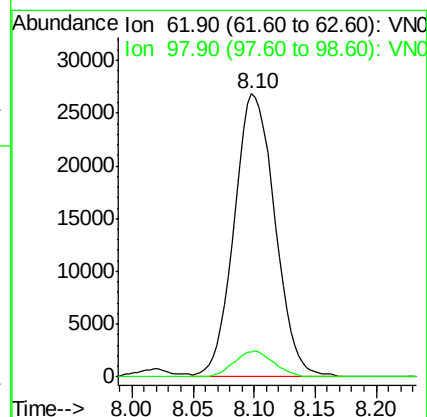
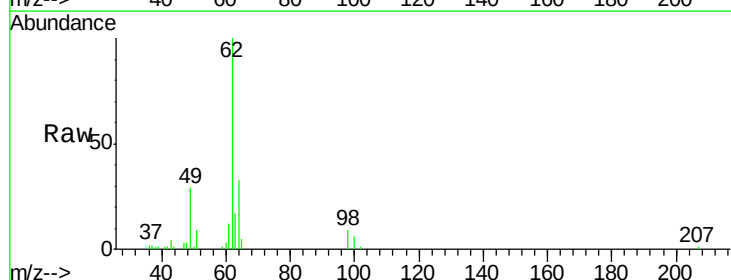
Manual Integrations
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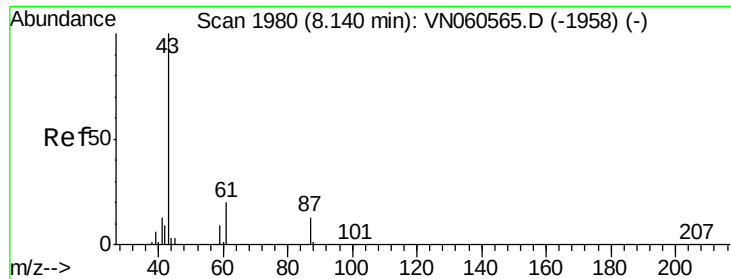
MMDadoda
3/23/2020 2:27:09 PM



#42
1,2-Dichloroethane
Concen: 20.20 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





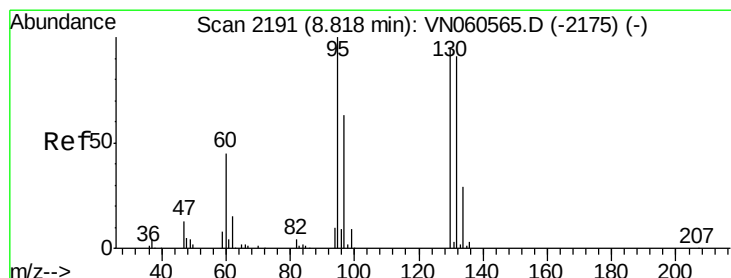
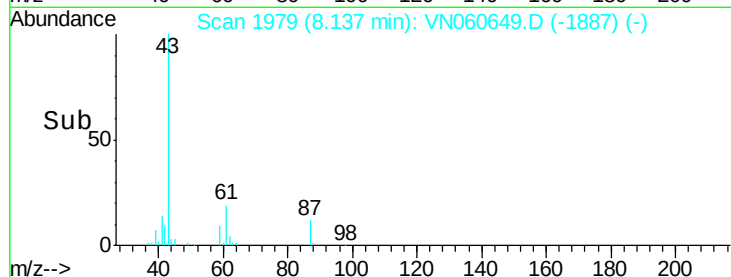
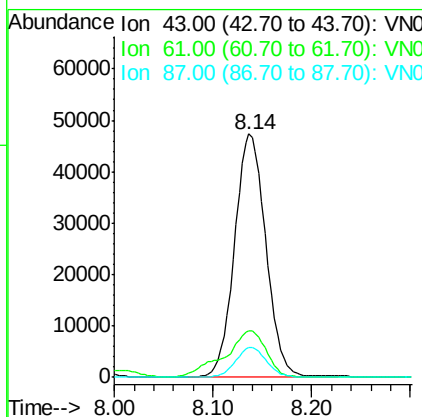
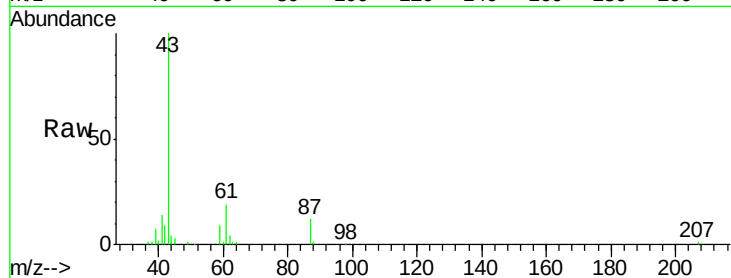
#43
Isopropyl Acetate
Concen: 19.64 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.7	31.1
87	12.0	9.8	14.8

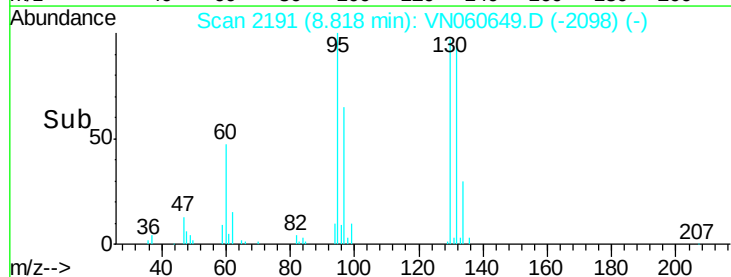
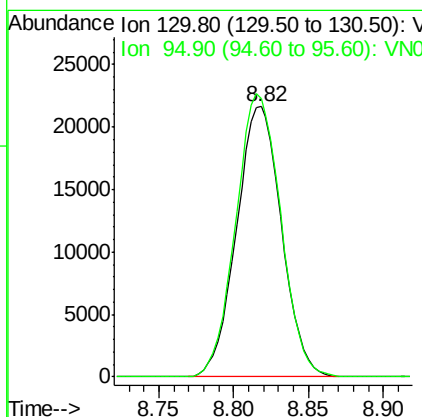
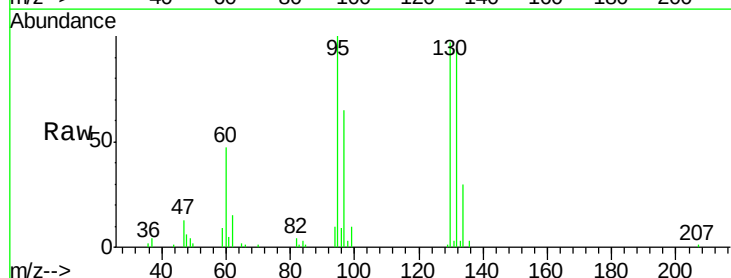
Manual Integrations
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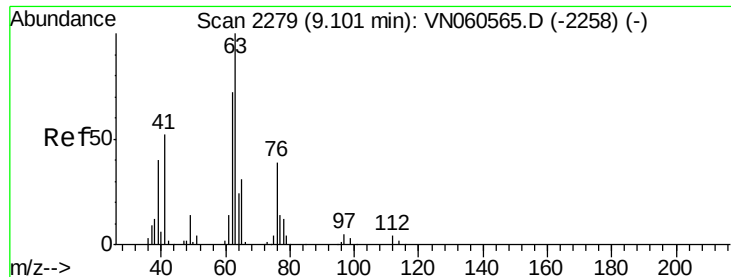
MMDadoda
3/23/2020 2:27:09 PM



#44
Trichloroethene
Concen: 19.93 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	211.2





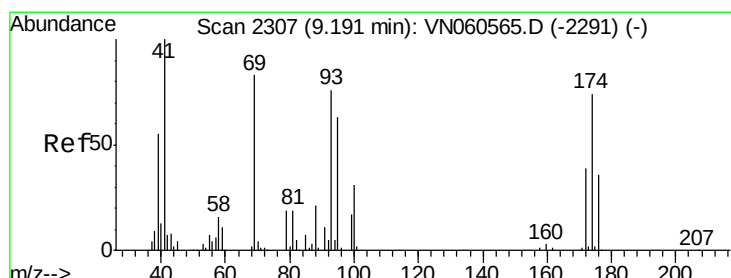
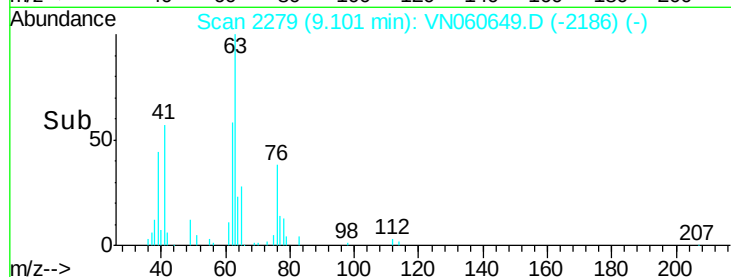
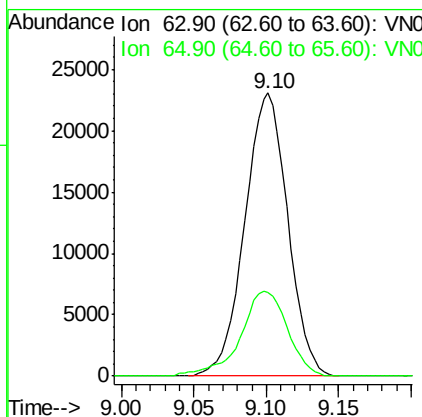
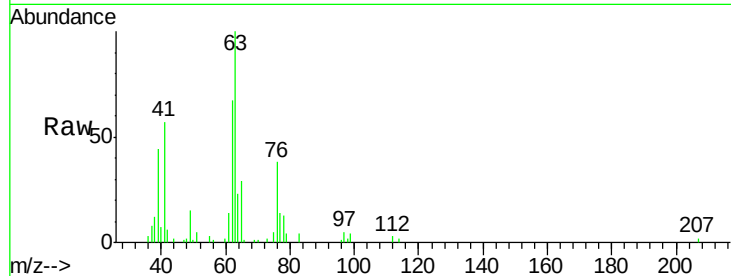
#45
 1,2-Dichloropropane
 Concen: 19.95 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0320WBSD01

Tgt Ion: 63 Resp: 47519
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.4 38.0

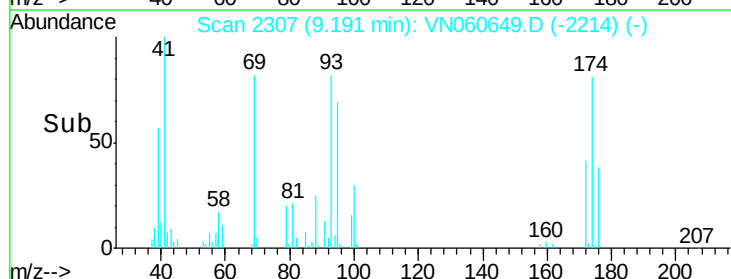
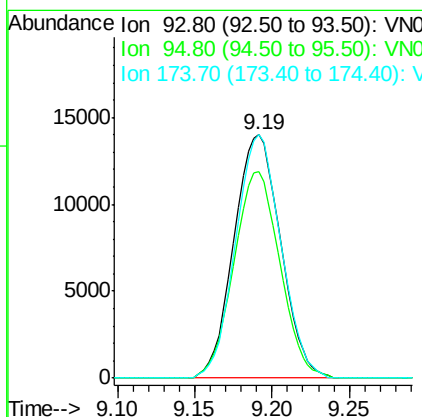
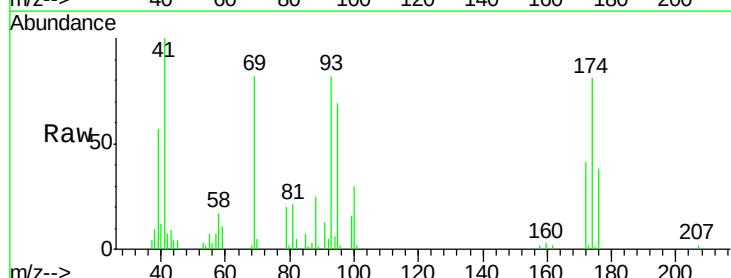
Manual Integrations
 APPROVED

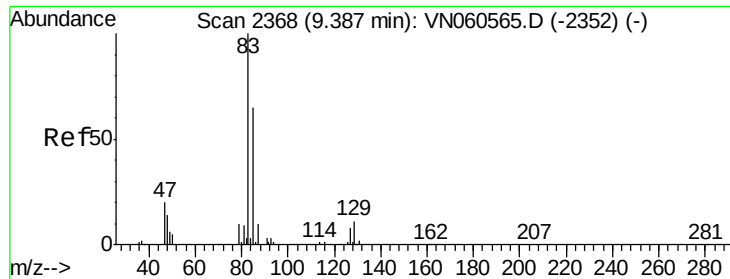
MMDadoda
 3/23/2020 2:27:09 PM



#46
 Dibromomethane
 Concen: 20.42 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 93 Resp: 29396
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.4
 174 97.0 77.9 116.9





#47

Bromodichloromethane

Concen: 19.57 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

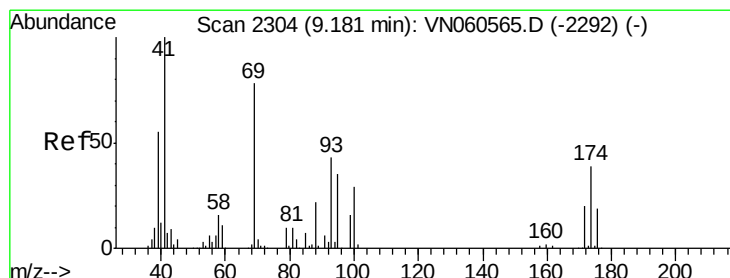
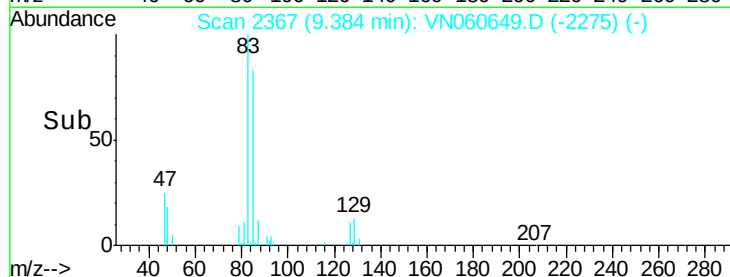
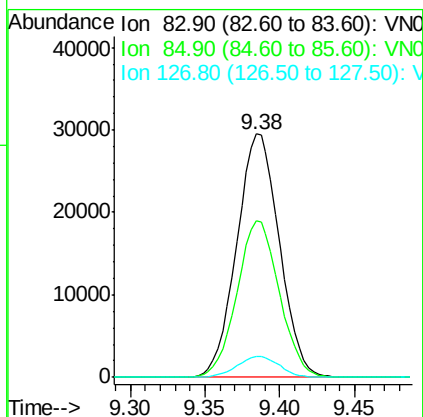
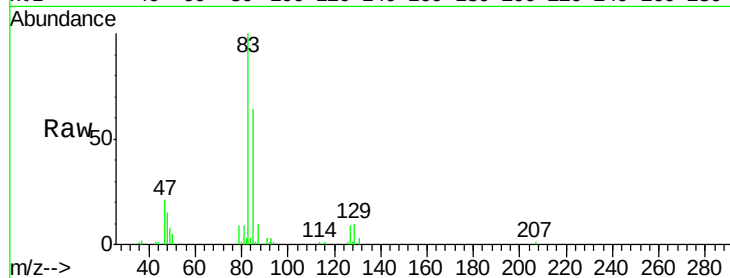
ClientSampleId :

VN0320WBSD01

Tgt Ion:	83	Resp:	58546
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6
127	8.6	6.5	9.7

Manual Integrations
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MMDadoda
3/23/2020 2:27:09 PM



#48

Methyl methacrylate

Concen: 19.09 ug/l

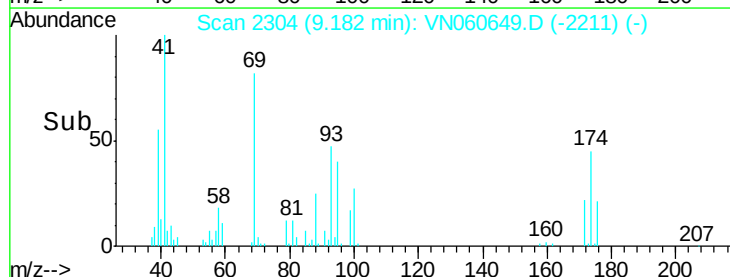
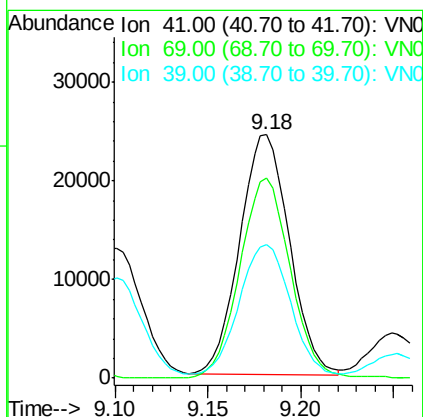
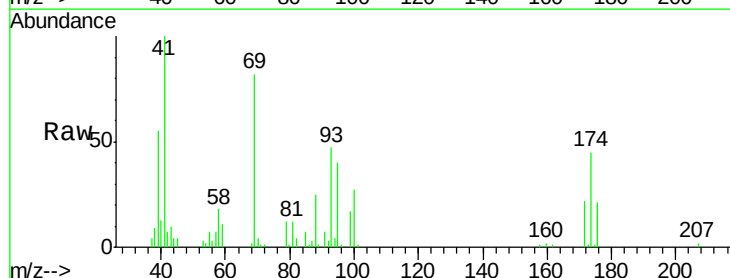
RT: 9.18 min Scan# 2304

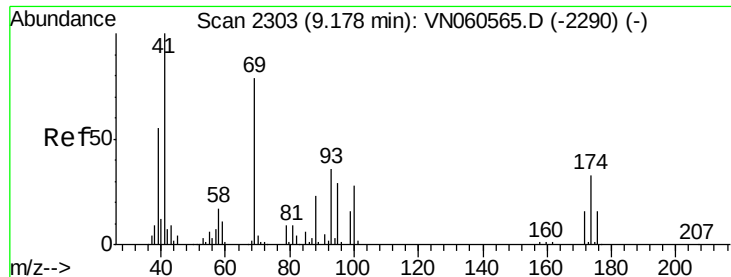
Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	41	Resp:	45274
Ion	Ratio	Lower	Upper
41	100		
69	84.9	65.4	98.0
39	56.1	44.0	66.0





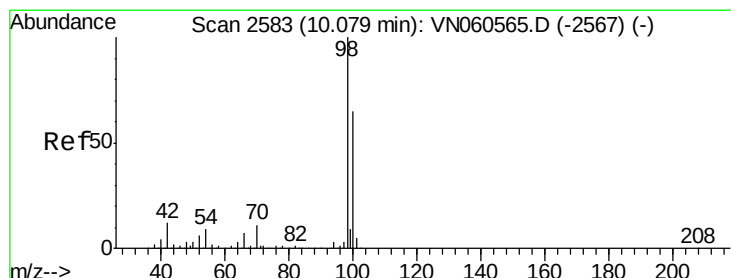
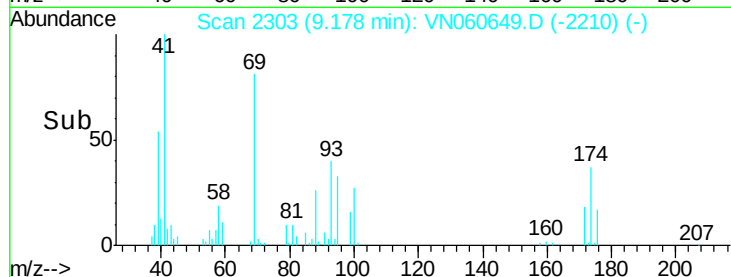
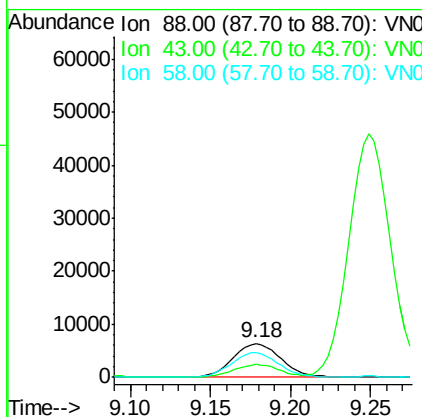
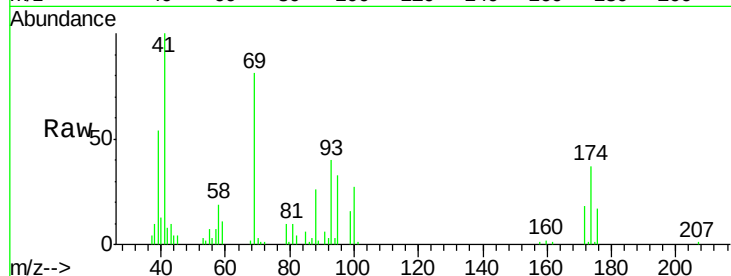
#49
1,4-Dioxane
Concen: 459.45 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.8	46.2
58	73.1	59.8	89.8

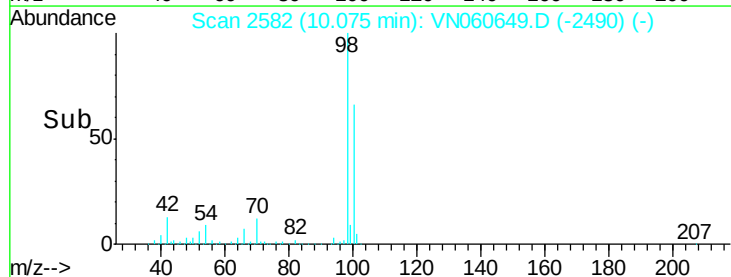
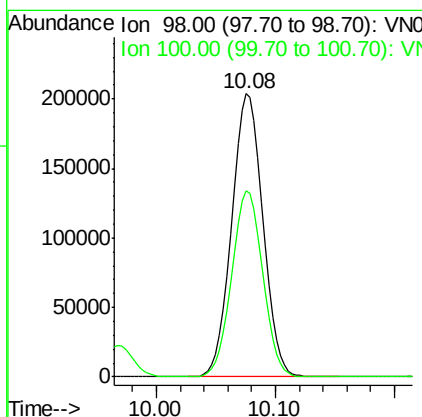
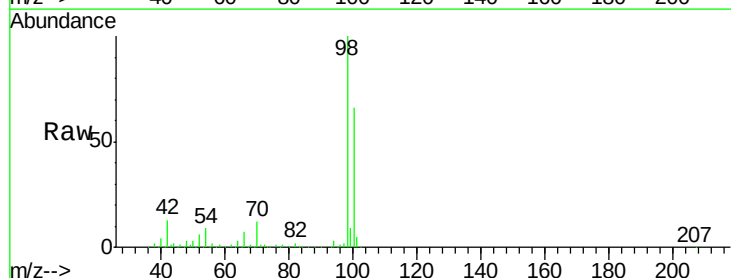
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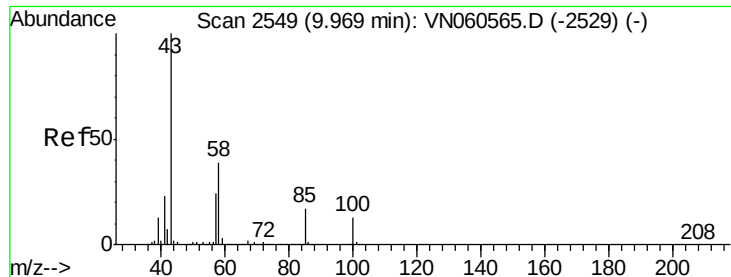
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#50
Toluene-d8
Concen: 48.54 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.8





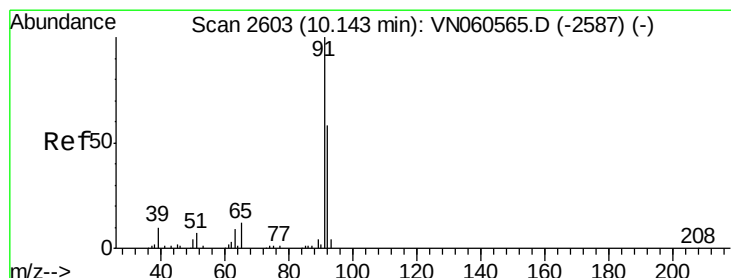
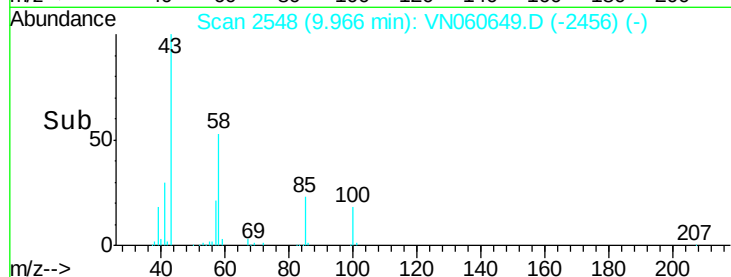
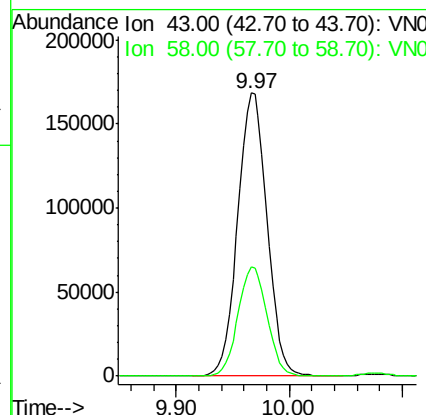
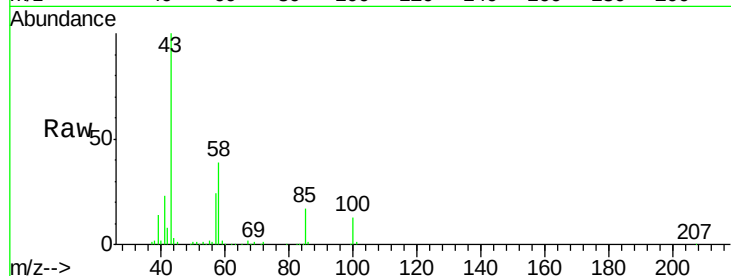
#51
4-Methyl-2-Pentanone
Concen: 100.57 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion: 43 Resp: 304921
Ion Ratio Lower Upper
43 100
58 38.2 30.8 46.2

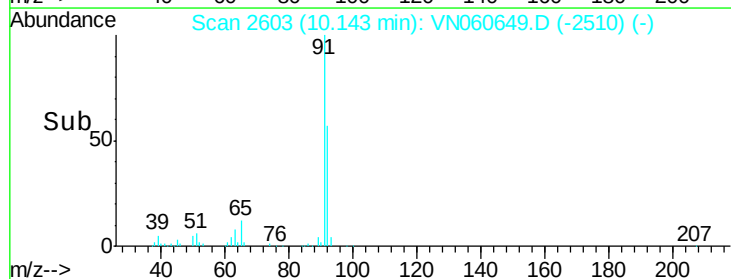
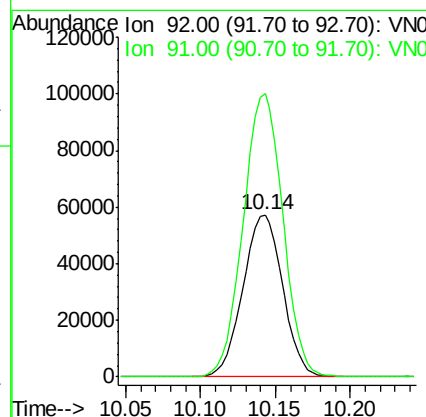
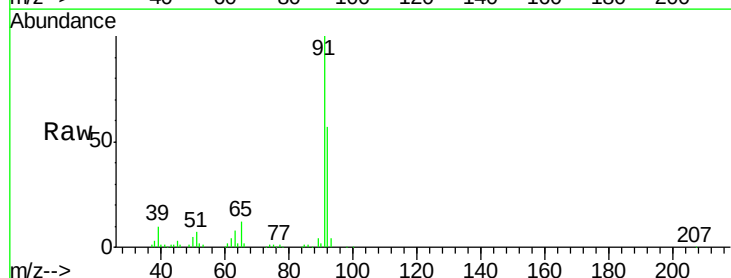
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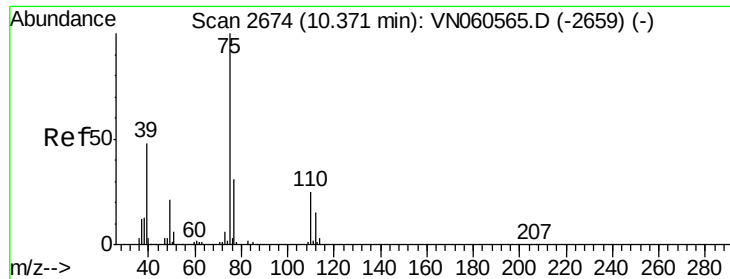
MMDadoda
3/23/2020 2:27:09 PM



#52
Toluene
Concen: 19.39 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 92 Resp: 105689
Ion Ratio Lower Upper
92 100
91 175.2 137.6 206.4





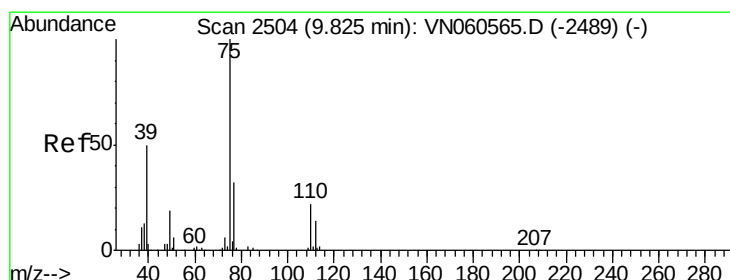
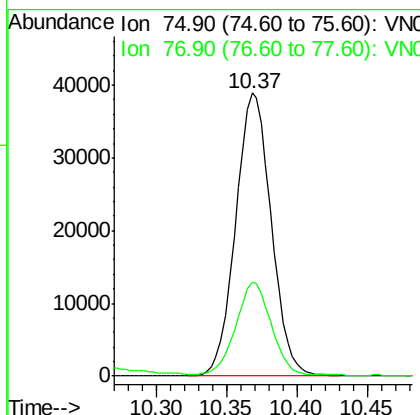
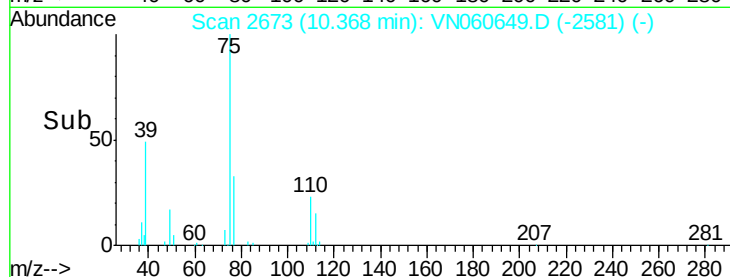
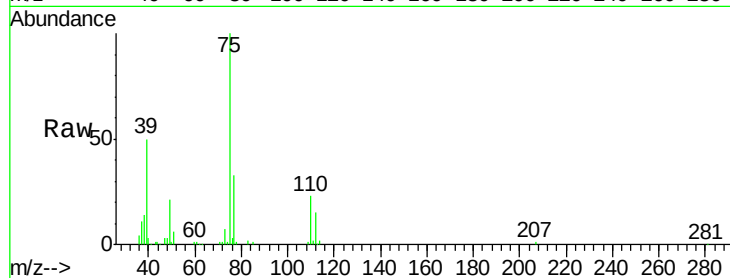
#53
t-1,3-Dichloropropene
Concen: 20.02 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion: 75 Resp: 68795
Ion Ratio Lower Upper
75 100
77 32.7 25.1 37.7

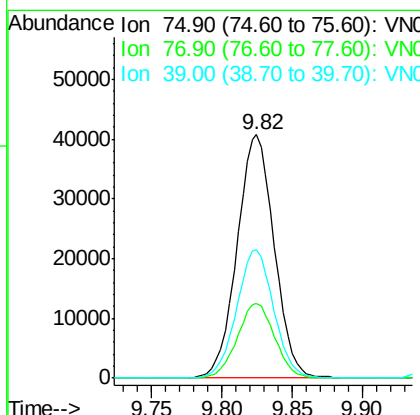
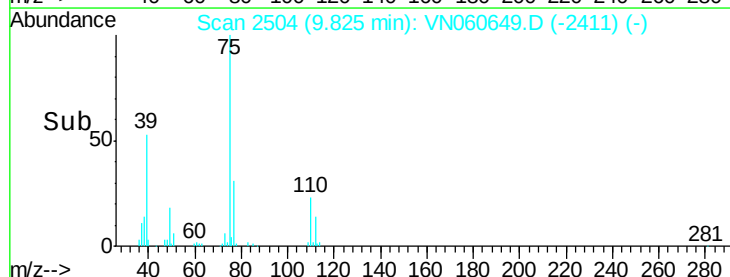
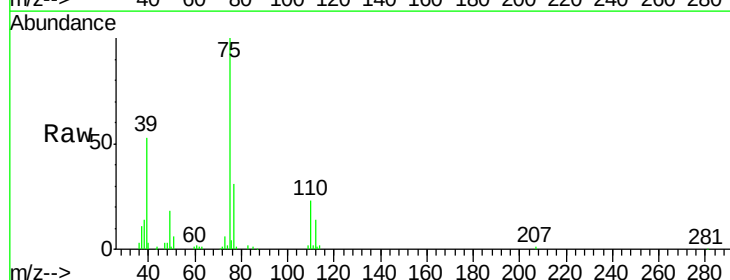
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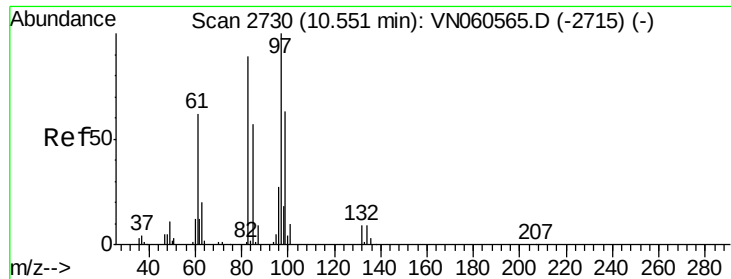
MMDadoda
3/23/2020 2:27:09 PM



#54
cis-1,3-Dichloropropene
Concen: 19.90 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 75 Resp: 75014
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0
39 52.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 20.06 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

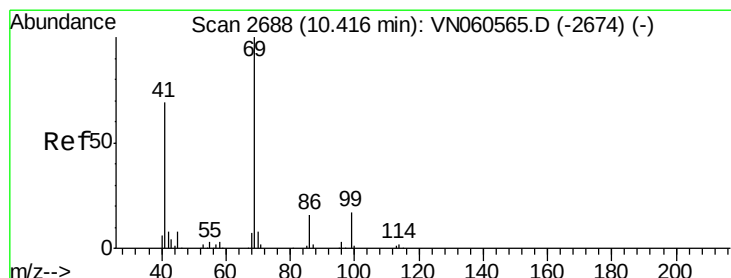
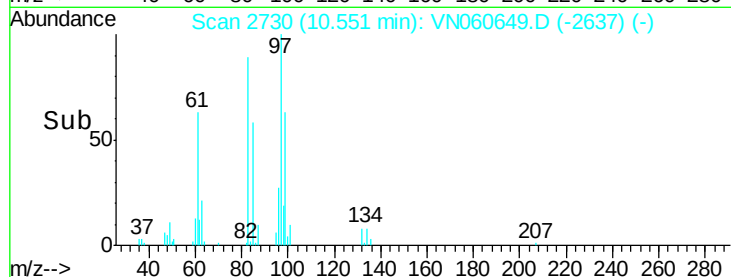
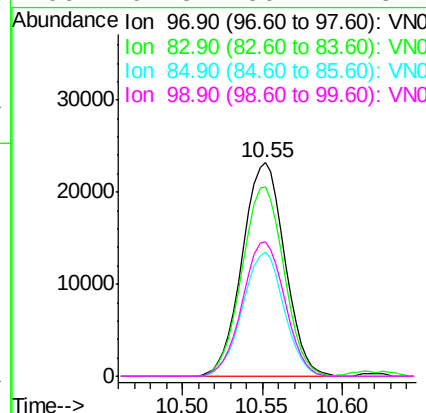
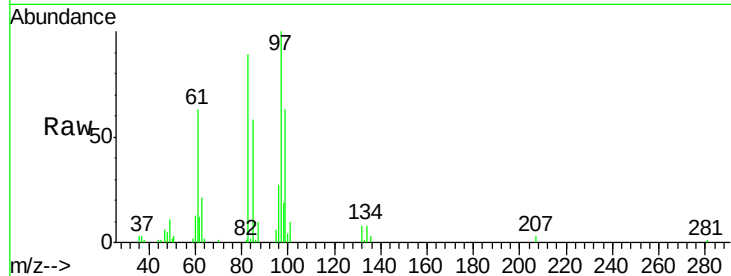
ClientSampleId :

VN0320WBSD01

Tgt Ion:	97	Resp:	42063
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	57.9	45.2	67.8
99	62.8	50.1	75.1

Manual Integrations
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3/23/2020 2:27:09 PM



#56

Ethyl methacrylate

Concen: 19.33 ug/l

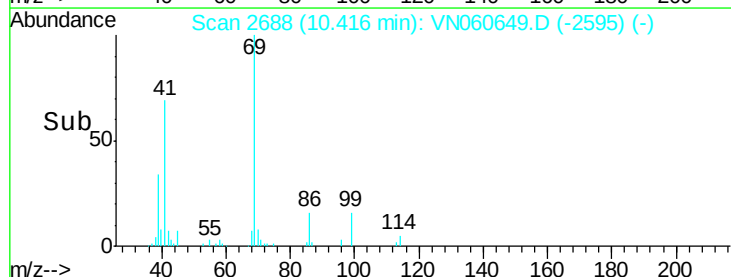
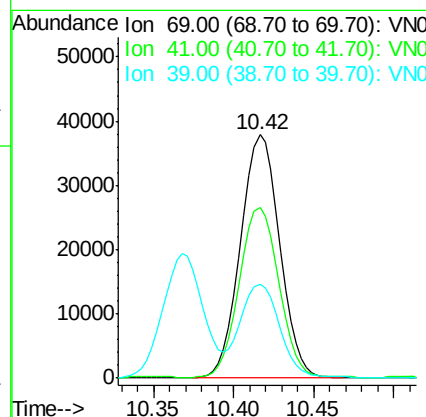
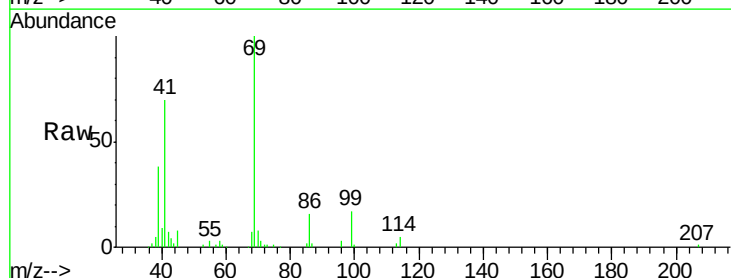
RT: 10.42 min Scan# 2688

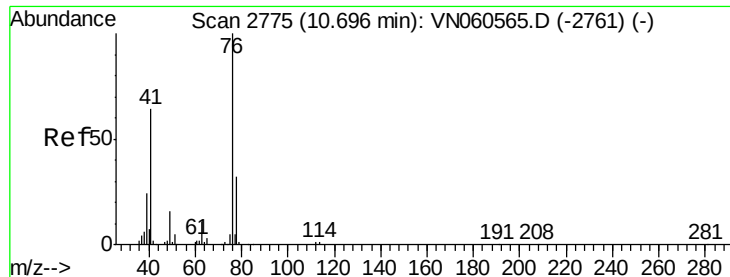
Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	69	Resp:	63193
Ion	Ratio	Lower	Upper
69	100		
41	71.5	55.4	83.2
39	39.7	29.4	44.0





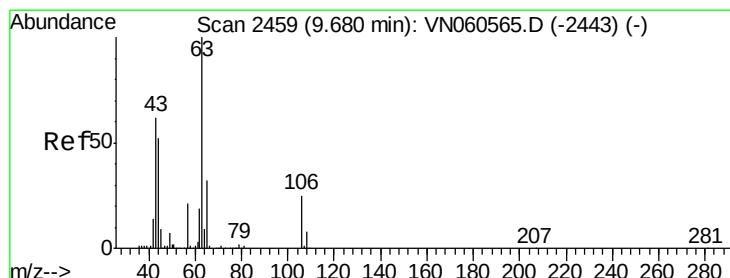
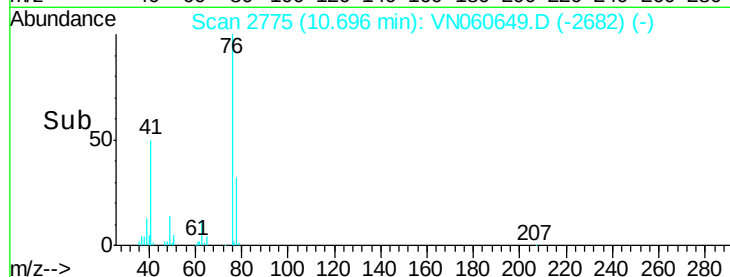
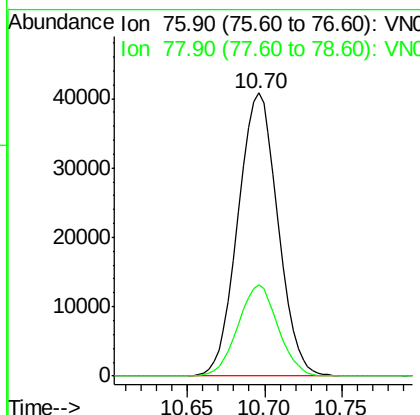
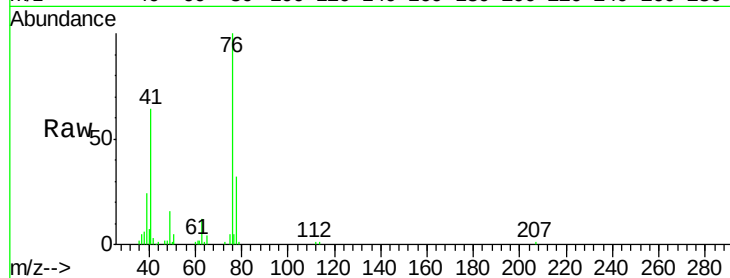
#57
 1,3-Dichloropropane
 Concen: 20.13 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion: 76 Resp: 73238
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

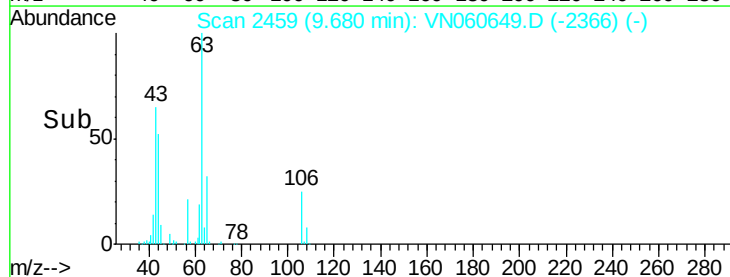
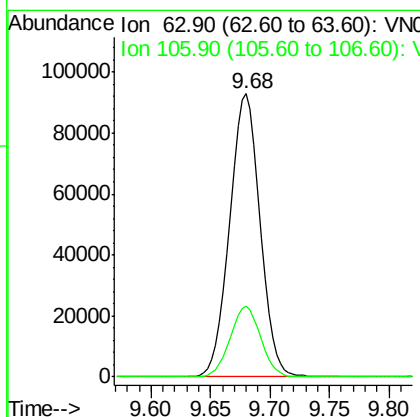
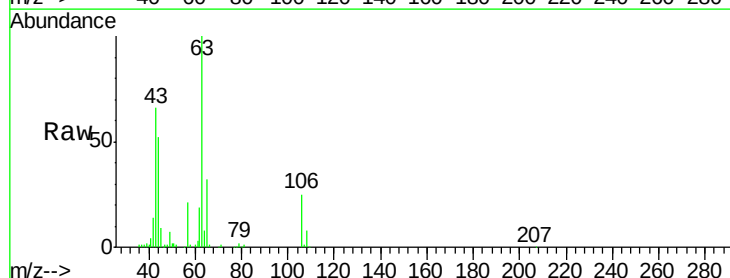
Manual Integrations
 APPROVED

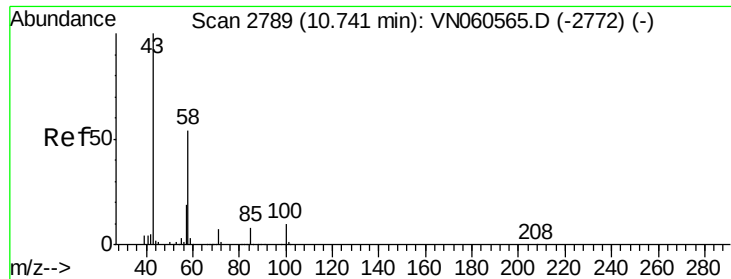
MMDadoda
 3/23/2020 2:27:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.29 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 63 Resp: 164608
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0





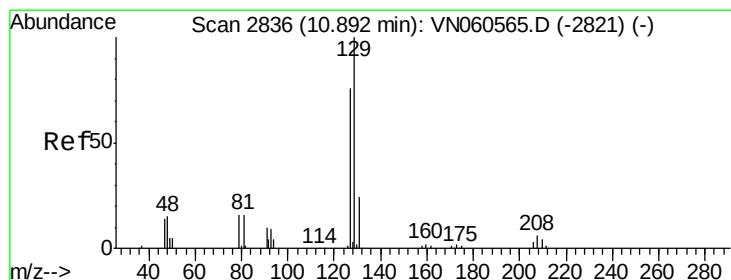
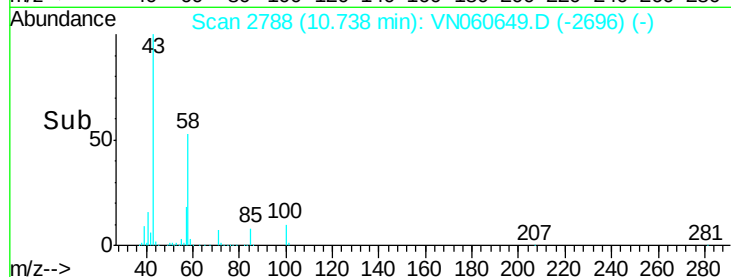
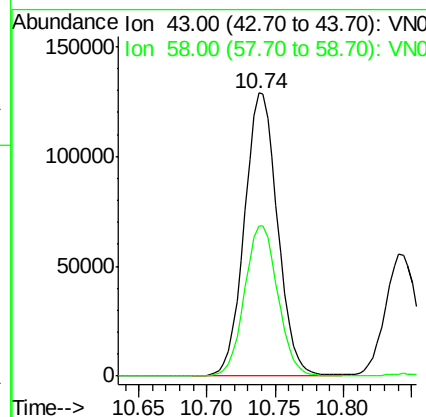
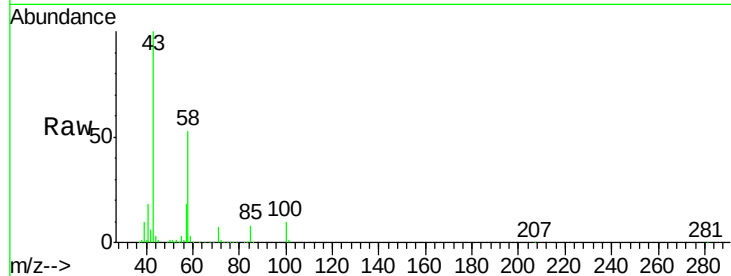
#59
2-Hexanone
Concen: 99.08 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
VN0320WBSD01

Tgt Ion: 43 Resp: 216388
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.1

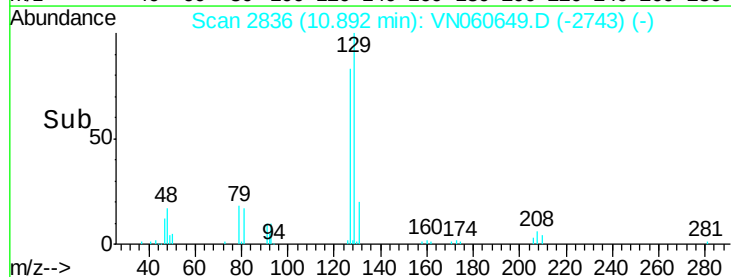
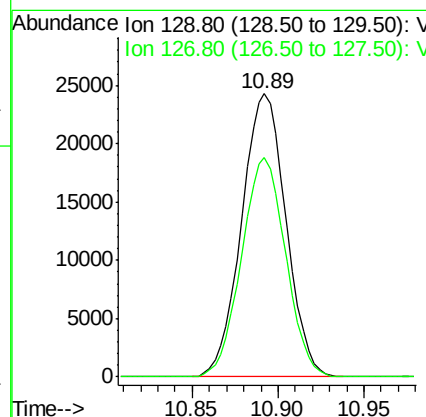
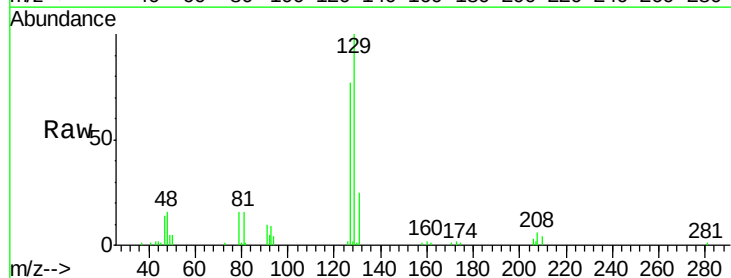
Manual Integrations
APPROVED

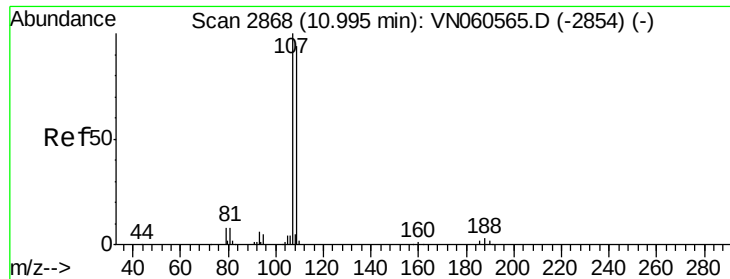
MMDadoda
3/23/2020 2:27:09 PM



#60
Dibromochloromethane
Concen: 20.05 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion: 129 Resp: 43435
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





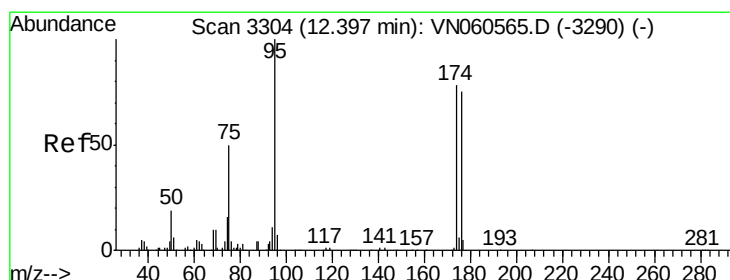
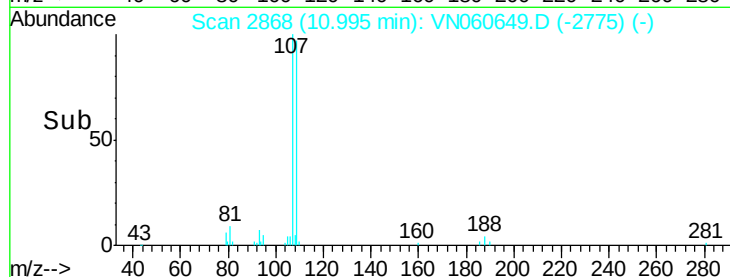
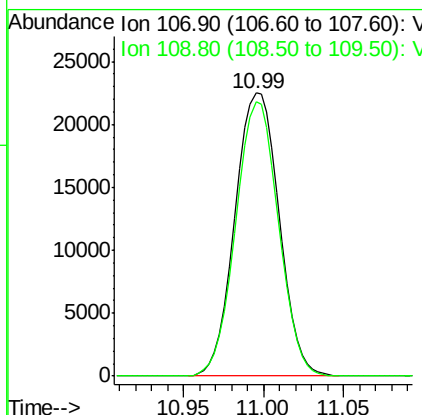
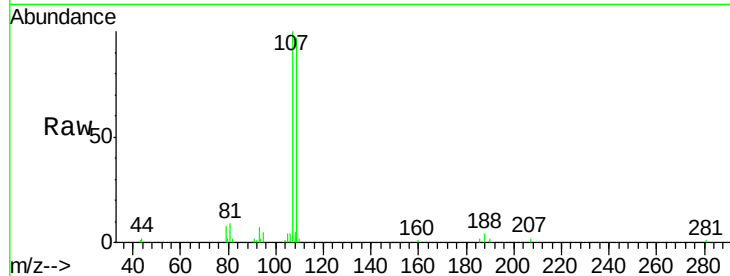
#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion: 107 Resp: 42387
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.2

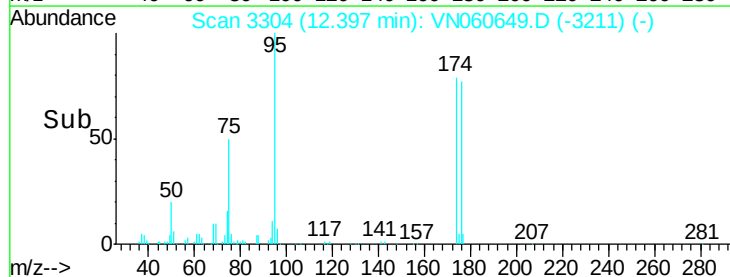
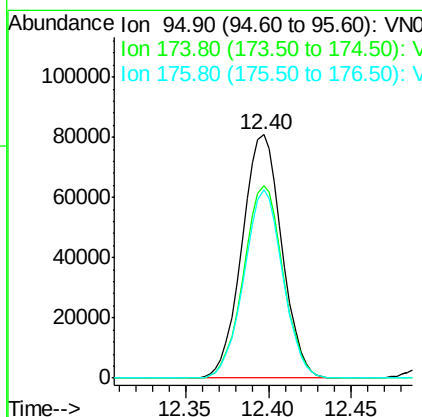
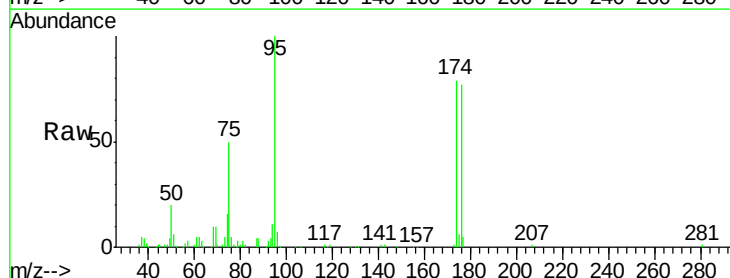
Manual Integrations
 APPROVED

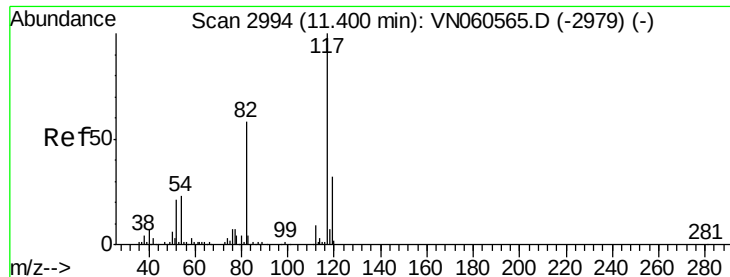
MMDadoda
 3/23/2020 2:27:09 PM



#62
 4-Bromofluorobenzene
 Concen: 48.20 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion: 95 Resp: 134725
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.6
 176 75.5 0.0 150.6





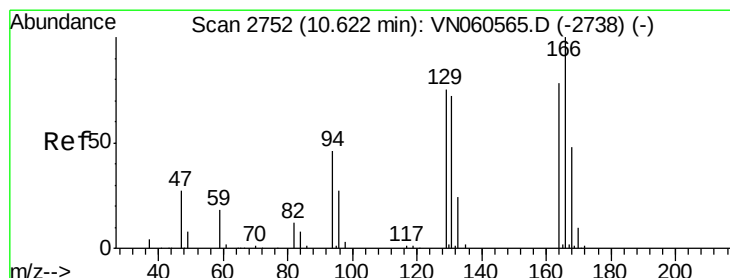
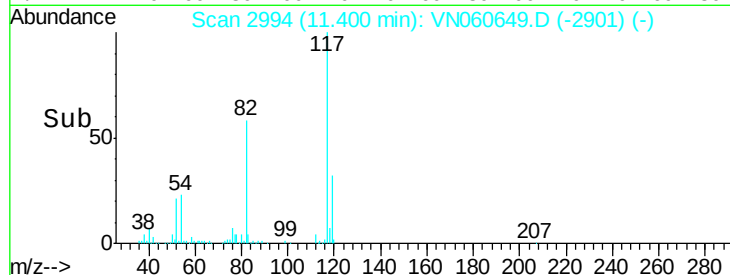
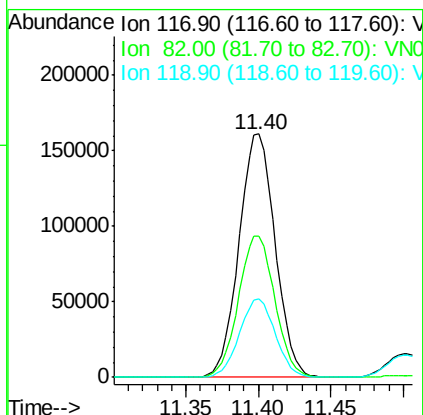
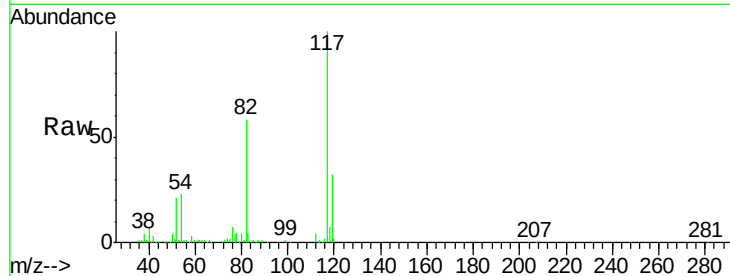
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	279877		
82	58.0	46.7	70.1	
119	32.2	25.5	38.3	

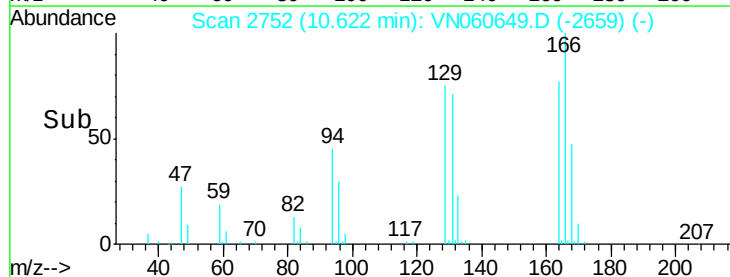
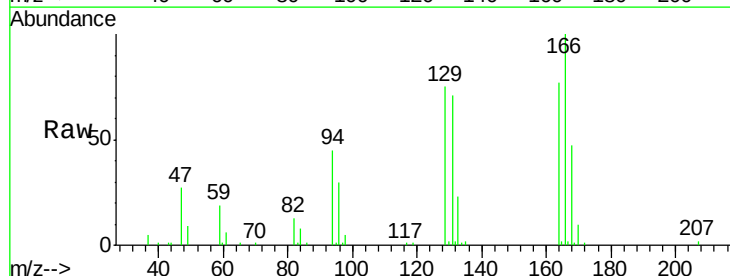
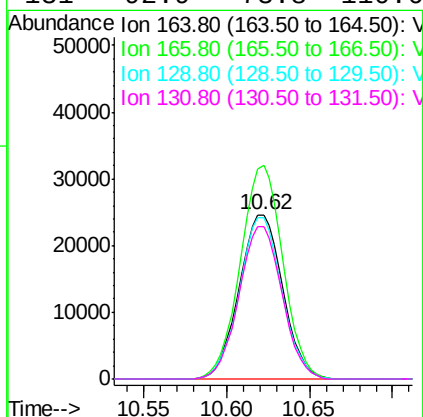
Manual Integrations
APPROVED

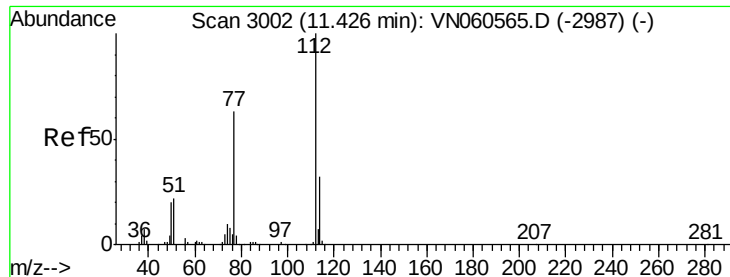
MMDadoda
3/23/2020 2:27:09 PM



#64
Tetrachloroethene
Concen: 20.42 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44968		
166	130.3	102.7	154.1	
129	98.3	77.2	115.8	
131	92.9	73.8	110.6	





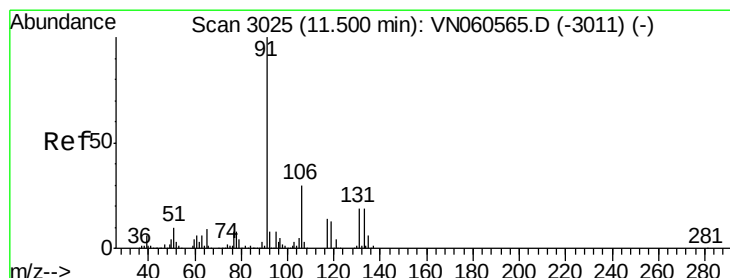
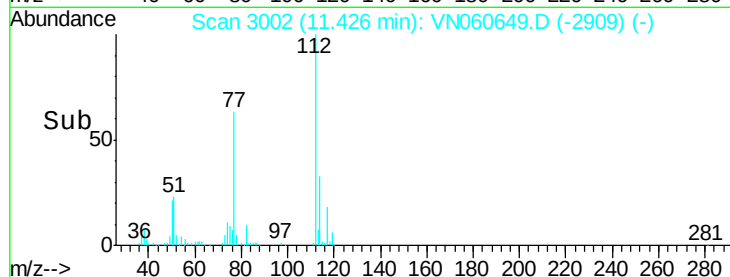
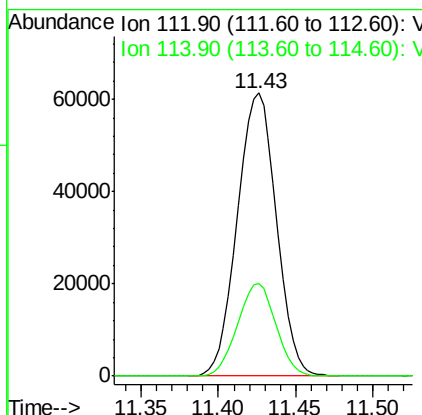
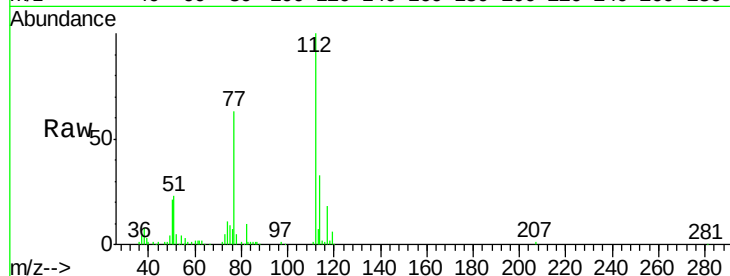
#65
Chlorobenzene
Concen: 19.44 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
VN0320WBSD01

Tgt Ion:112 Resp: 107864
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

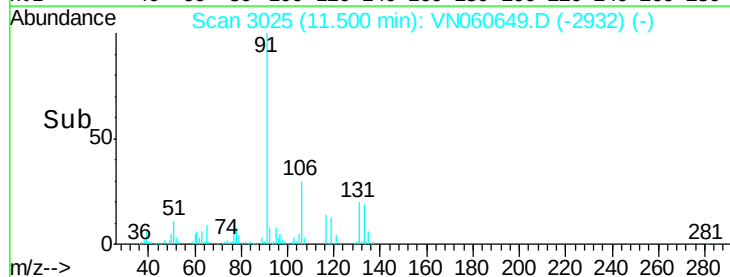
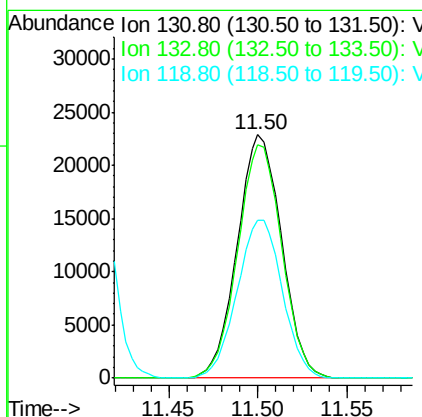
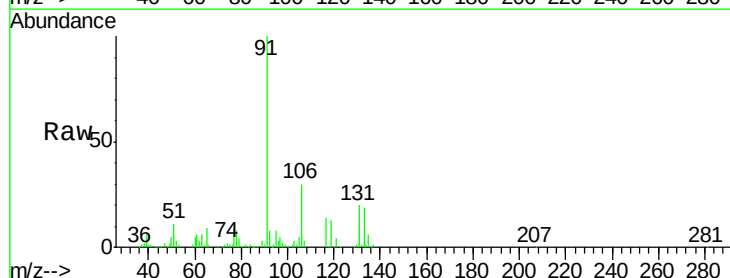
Manual Integrations
APPROVED

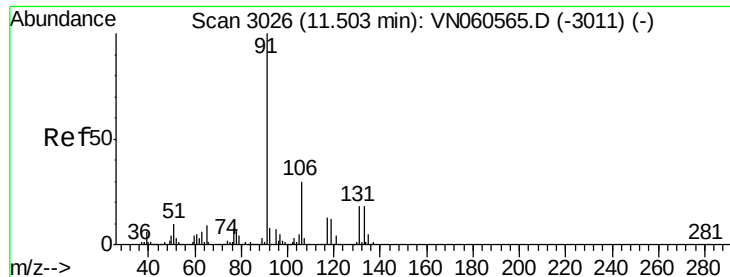
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.69 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion:131 Resp: 39545
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.8
119 66.2 33.9 101.7





#67

Ethyl Benzene

Concen: 19.69 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 91 Resp: 203128

Ion Ratio Lower Upper

91 100

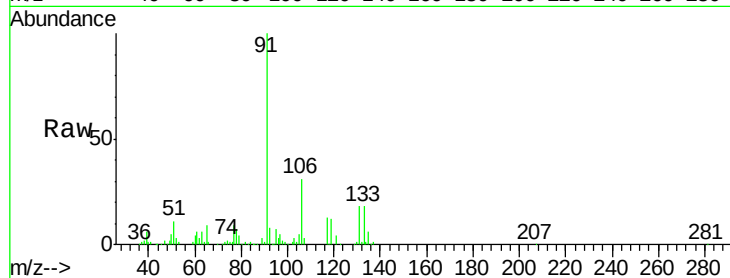
106 30.6 24.2 36.2

Manual Integrations

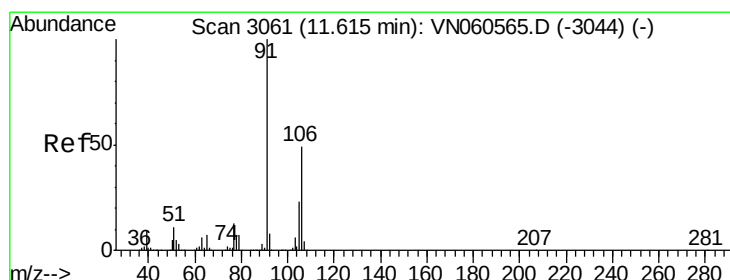
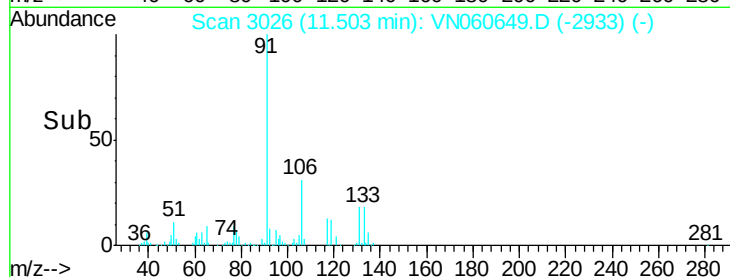
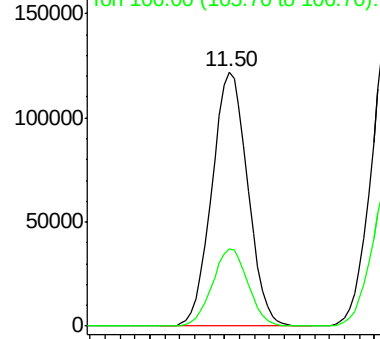
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Abundance Ion 91.00 (90.70 to 91.70): VN060649.D (-2933) (-)



#68

m/p-Xylenes

Concen: 39.09 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060649.D

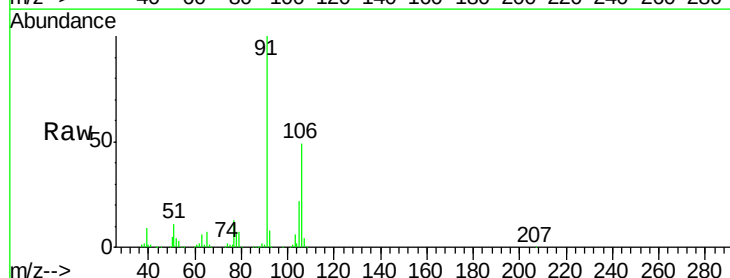
Acq: 20 Mar 2020 13:55

Tgt Ion: 106 Resp: 149887

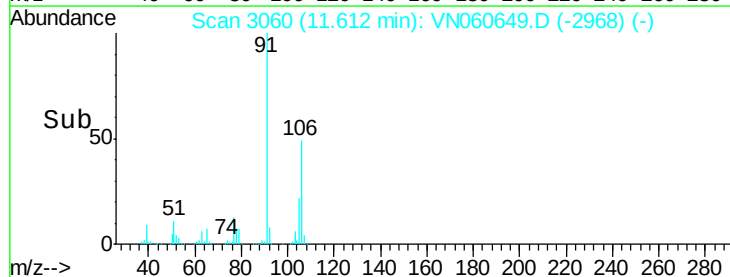
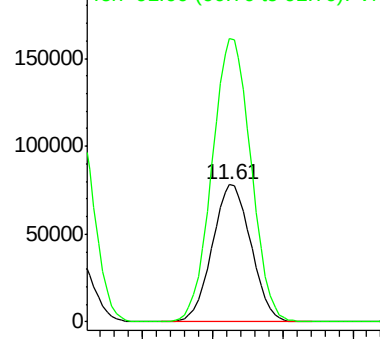
Ion Ratio Lower Upper

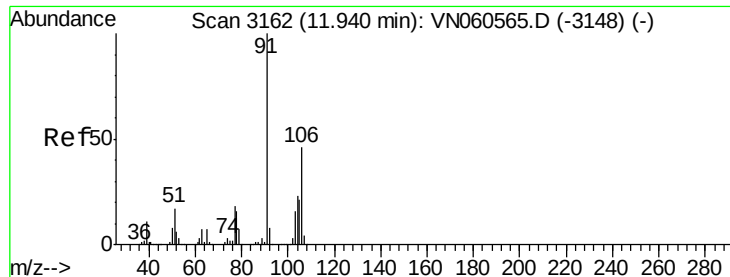
106 100

91 207.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060649.D (-2968) (-)





#69

o-Xylene

Concen: 19.76 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion:106 Resp: 72322

Ion Ratio Lower Upper

106 100

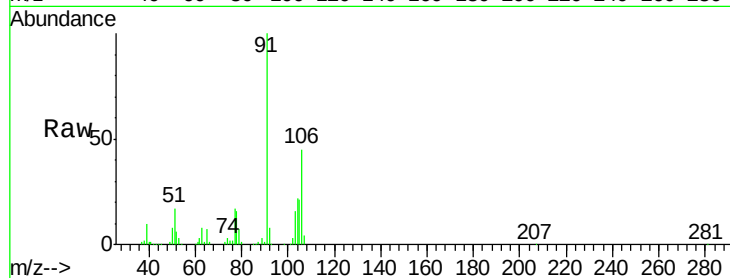
91 217.9 109.5 328.4

Manual Integrations

APPROVED

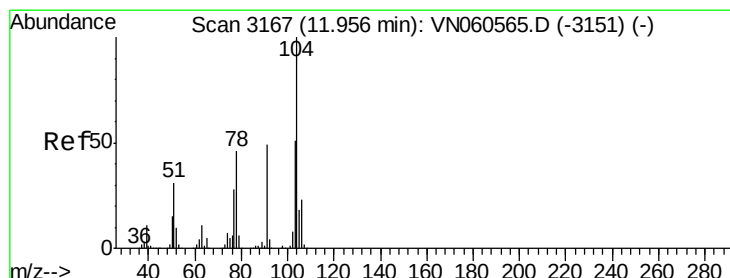
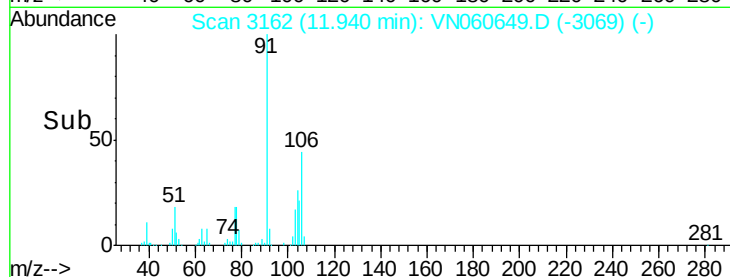
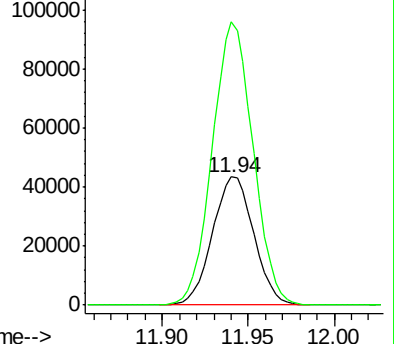
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 19.41 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

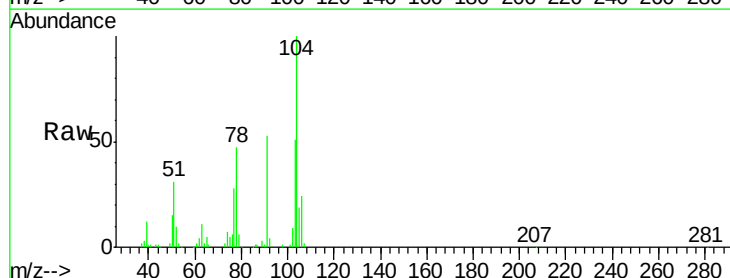
Tgt Ion:104 Resp: 116213

Ion Ratio Lower Upper

104 100

78 51.6 41.2 61.8

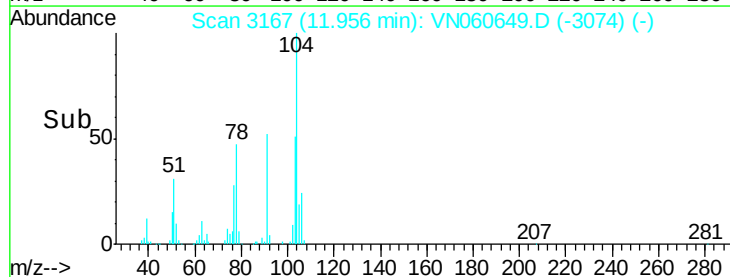
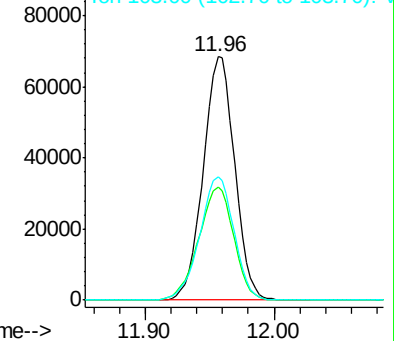
103 54.9 44.0 66.0

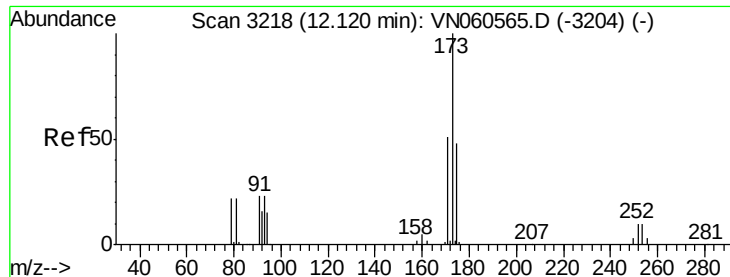


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





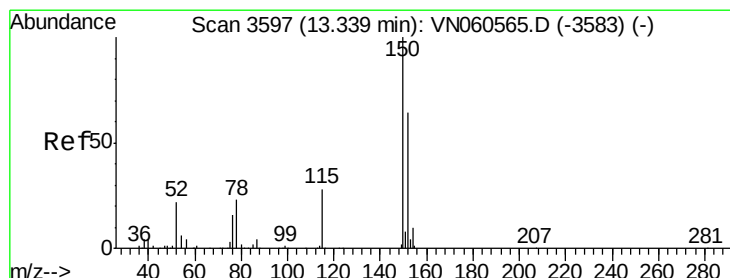
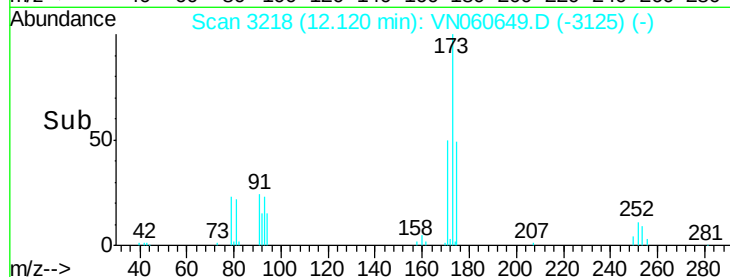
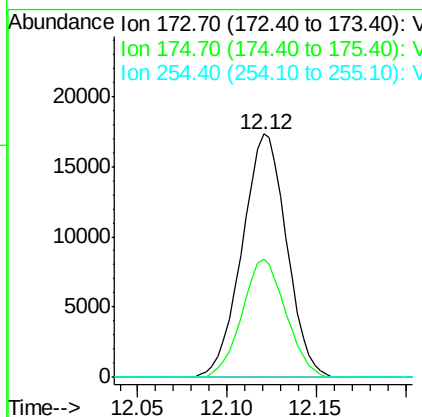
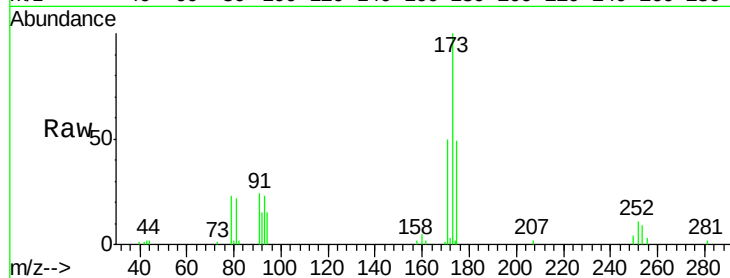
#71
Bromoform
Concen: 19.14 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.4
254	0.0	0.0	0.0

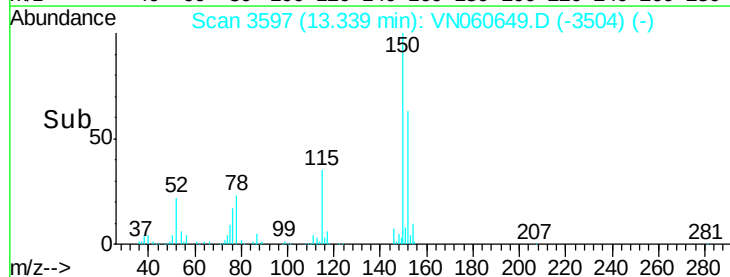
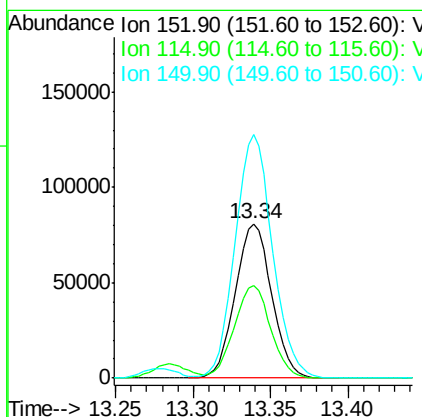
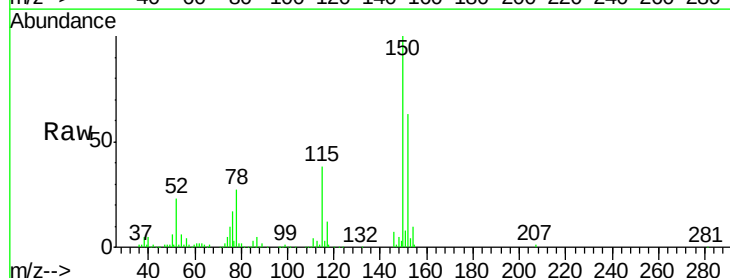
Manual Integrations
APPROVED

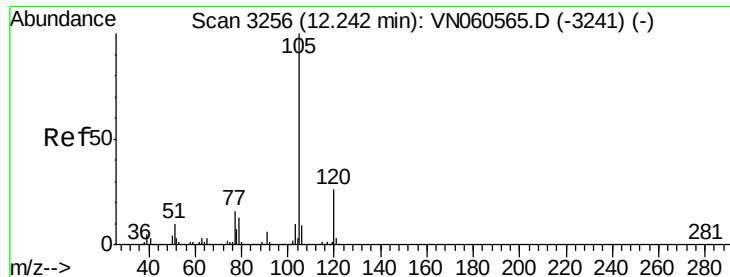
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.2	90.6
150	162.9	0.0	350.2





#73

Isopropylbenzene

Concen: 19.48 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion: 105 Resp: 192551

Ion Ratio Lower Upper

105 100

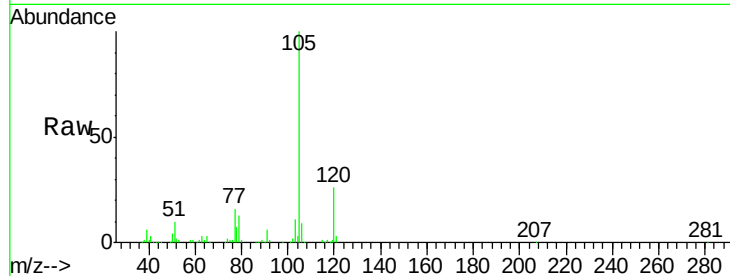
120 25.8 13.1 39.1

Manual Integrations

APPROVED

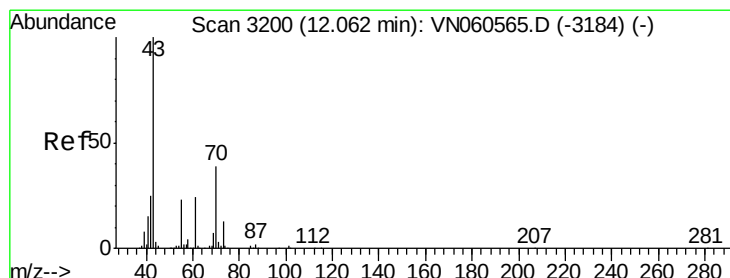
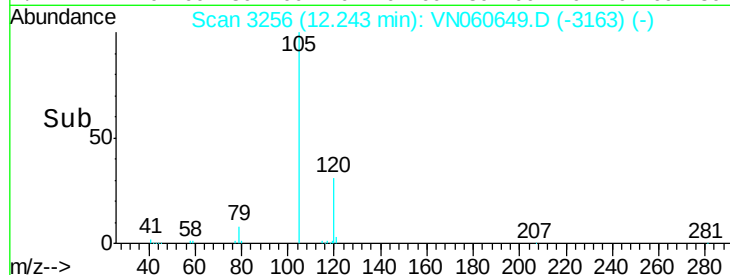
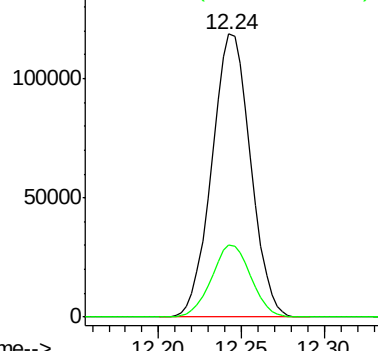
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.10 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion: 43 Resp: 87256

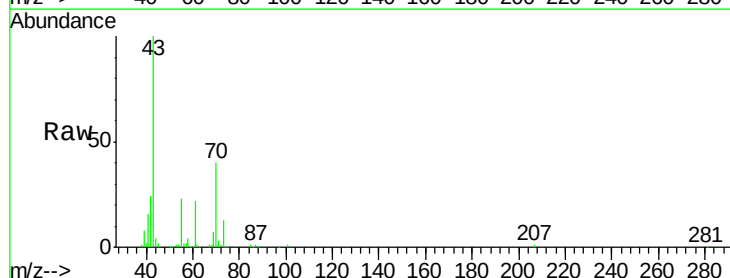
Ion Ratio Lower Upper

43 100

70 39.7 31.1 46.7

55 23.8 18.6 27.8

61 23.2 18.9 28.3

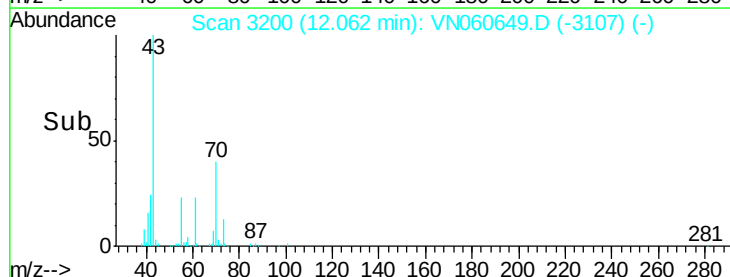
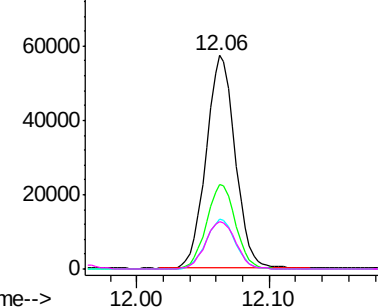


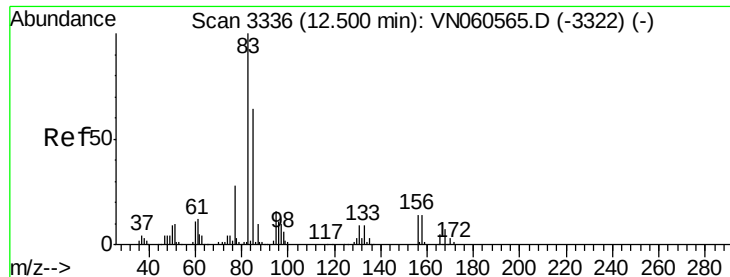
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

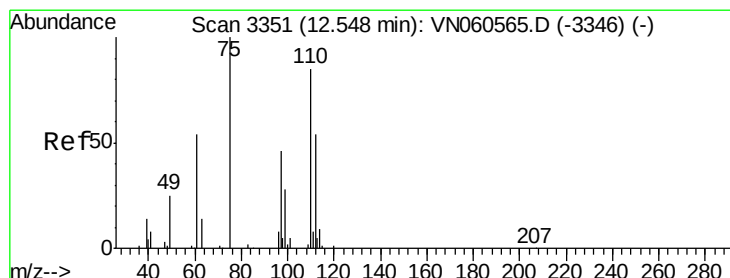
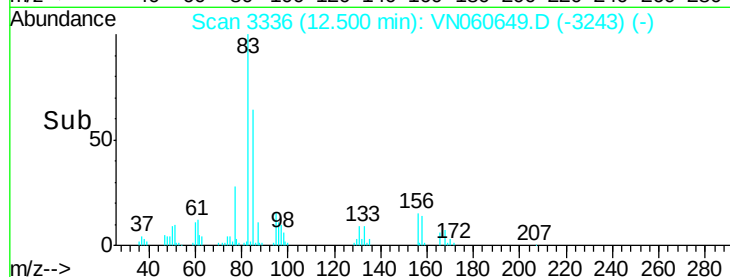
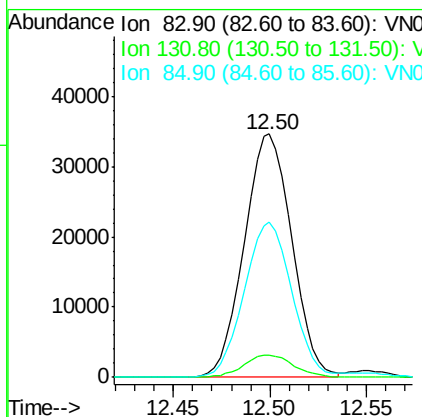
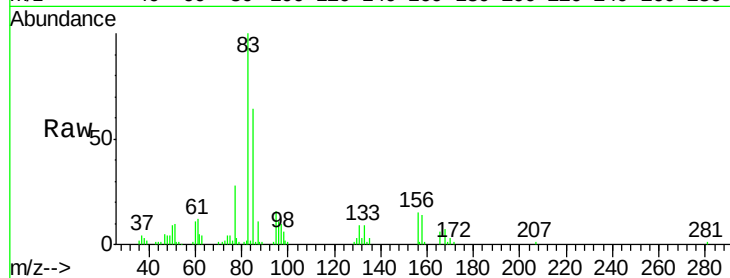
ClientSampleId :

VN0320WBSD01

Tgt Ion:	83	Resp:	59250
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	63.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.29 ug/l m

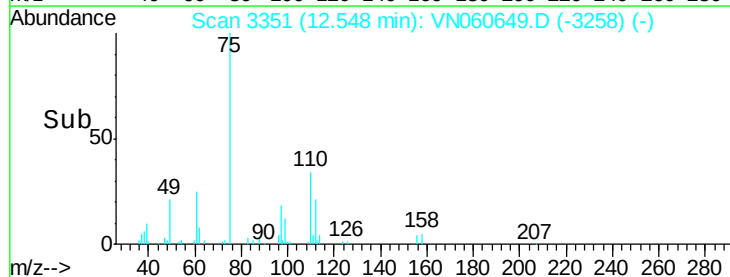
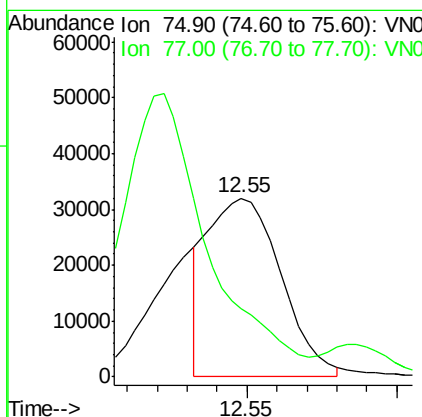
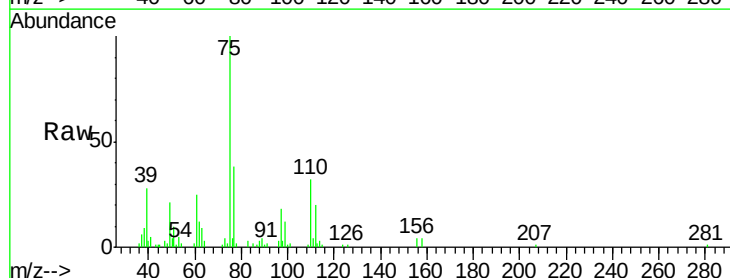
RT: 12.55 min Scan# 3351

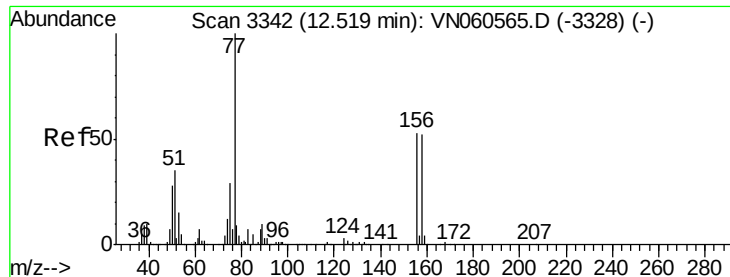
Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	75	Resp:	54822
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.05 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion:156 Resp: 45368

Ion Ratio Lower Upper

156 100

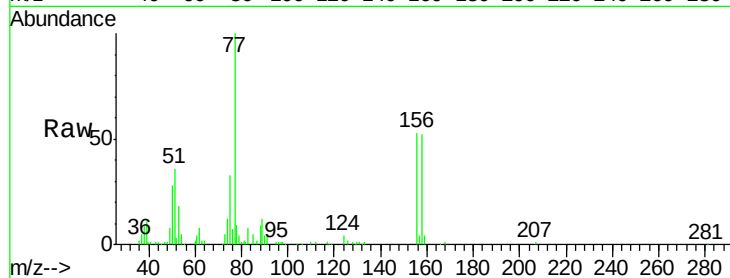
77 225.2 112.3 337.0

158 98.5 48.6 145.8

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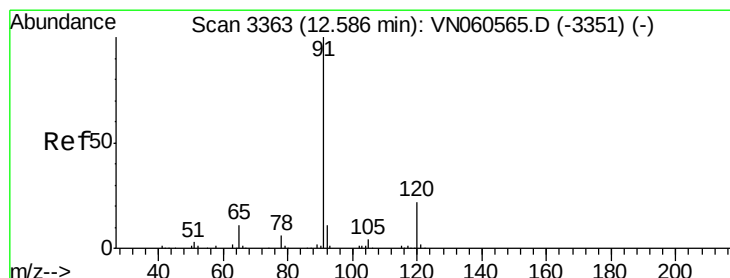
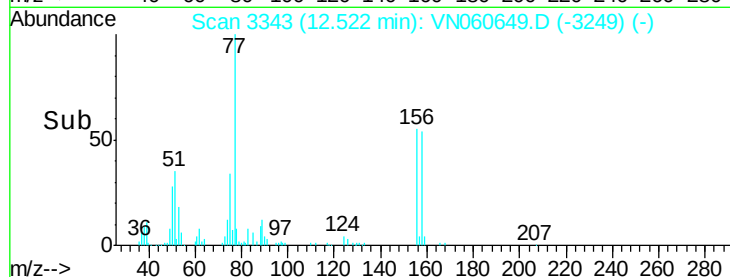
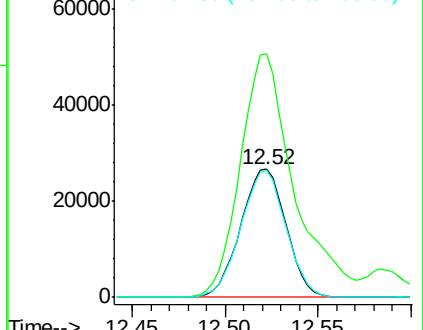
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.43 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060649.D

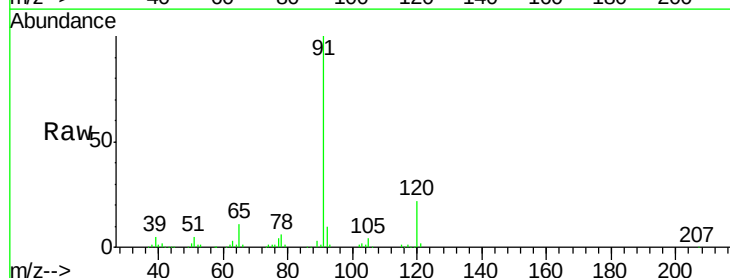
Acq: 20 Mar 2020 13:55

Tgt Ion: 91 Resp: 226950

Ion Ratio Lower Upper

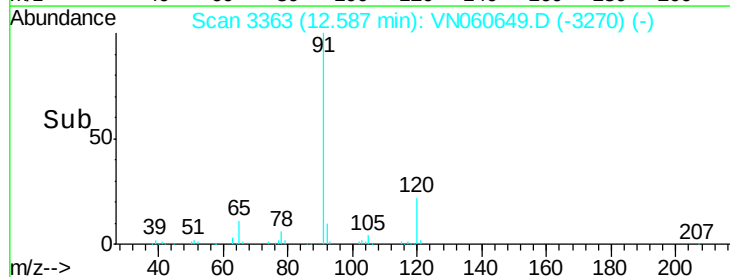
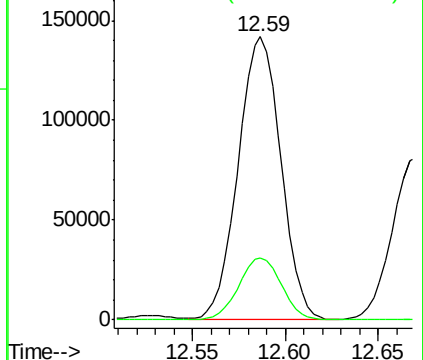
91 100

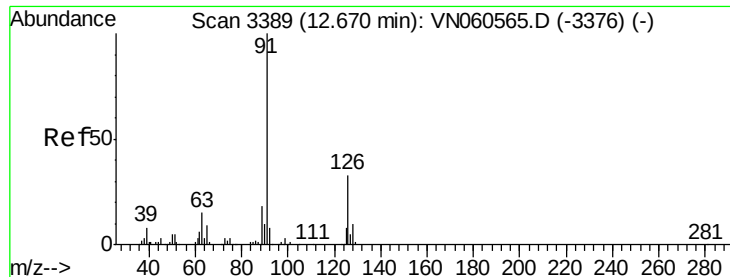
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.01 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

VN0320WBSD01

Tgt Ion: 91 Resp: 132642

Ion Ratio Lower Upper

91 100

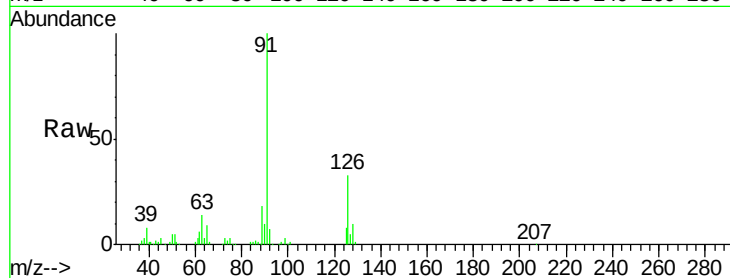
126 32.8 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060649.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060649.D (-3296) (-)

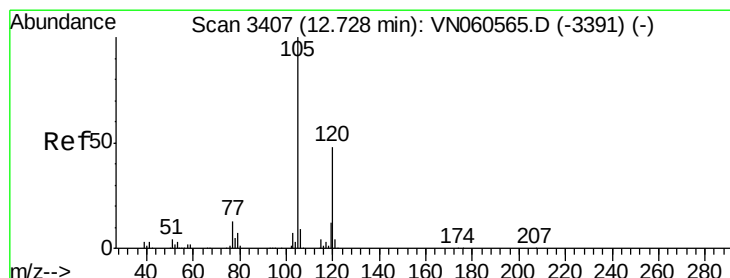
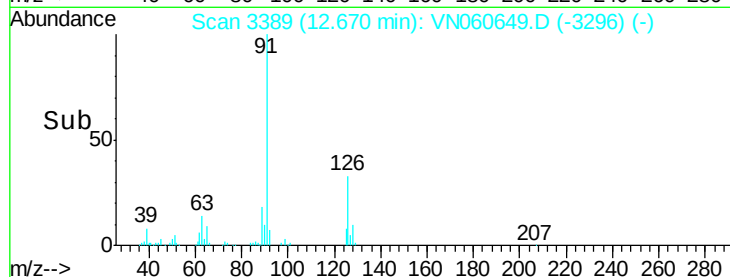
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.33 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060649.D

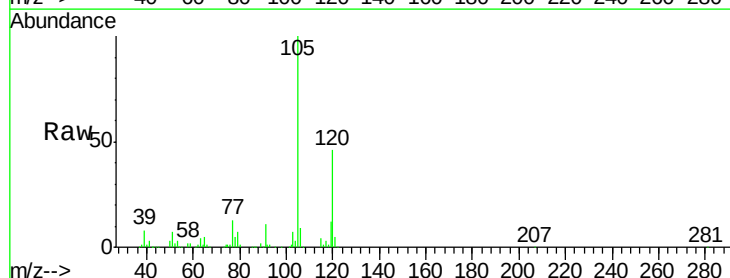
Acq: 20 Mar 2020 13:55

Tgt Ion: 105 Resp: 162180

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060649.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060649.D (-3314) (-)

120000

100000

80000

60000

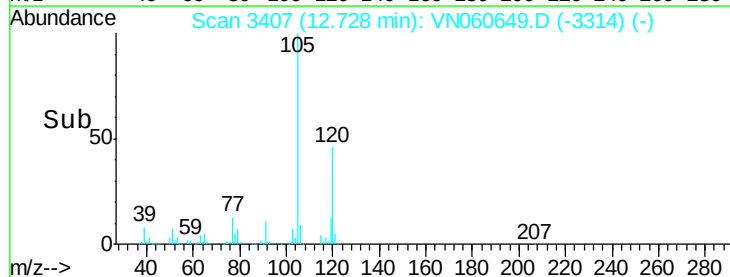
40000

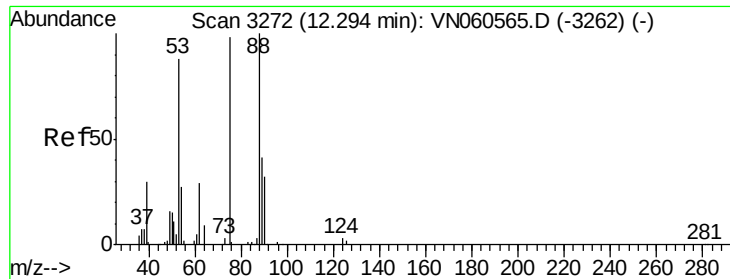
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.04 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

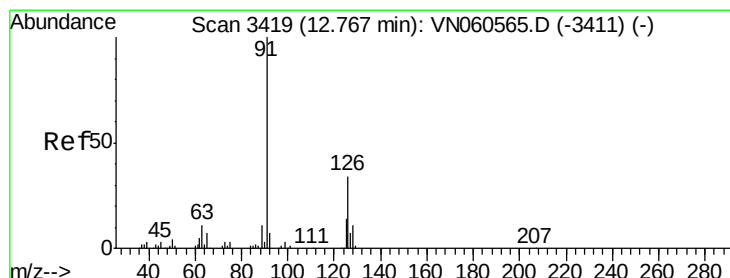
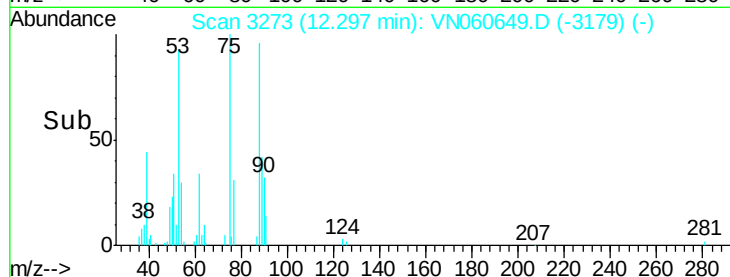
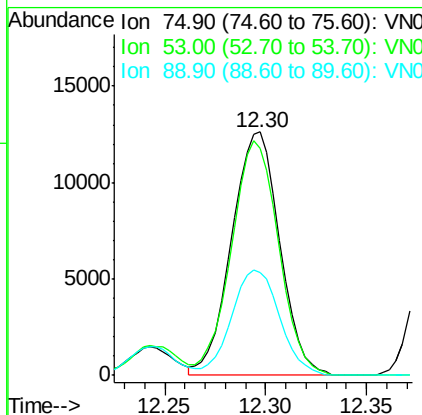
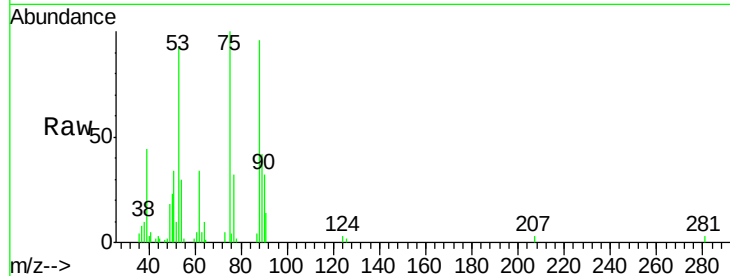
ClientSampleId :

VN0320WBSD01

Tgt Ion:	75	Resp:	21067
Ion Ratio	Lower	Upper	
75	100		
53	95.3	73.0	109.4
89	43.5	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.33 ug/l

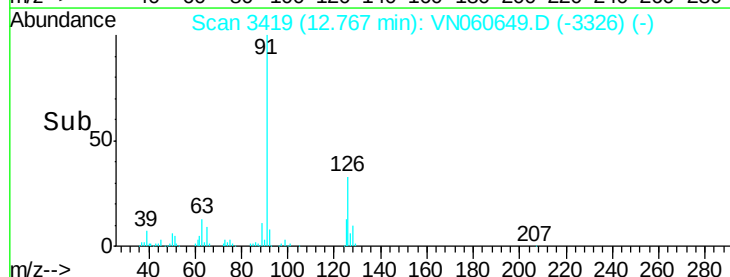
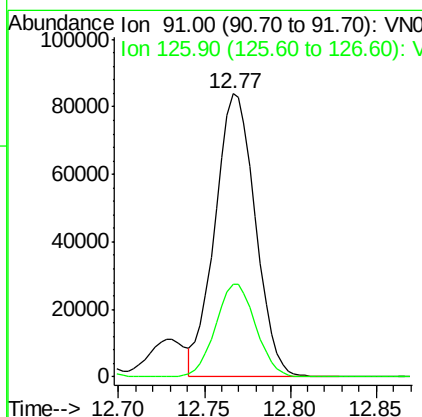
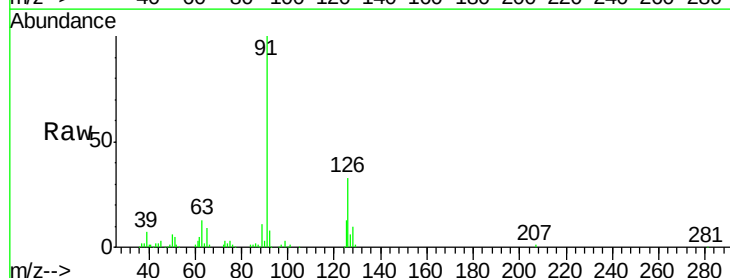
RT: 12.77 min Scan# 3419

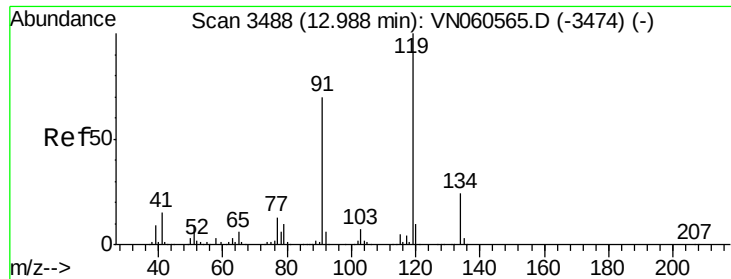
Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Tgt Ion:	91	Resp:	137397
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.2	48.5





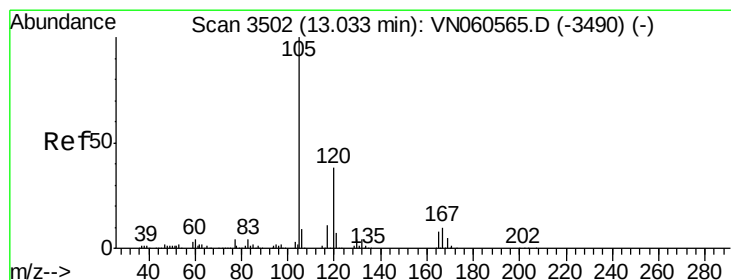
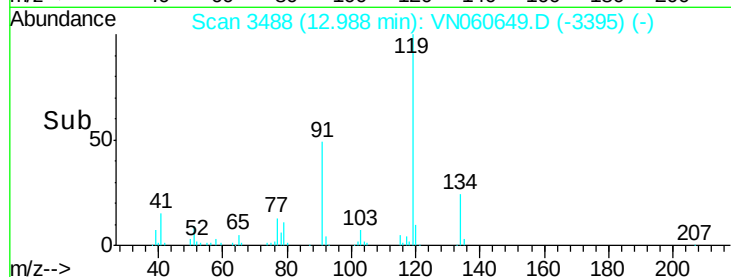
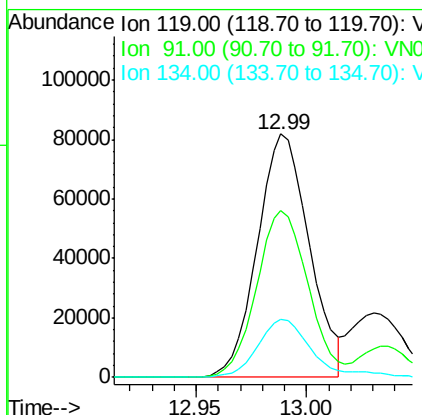
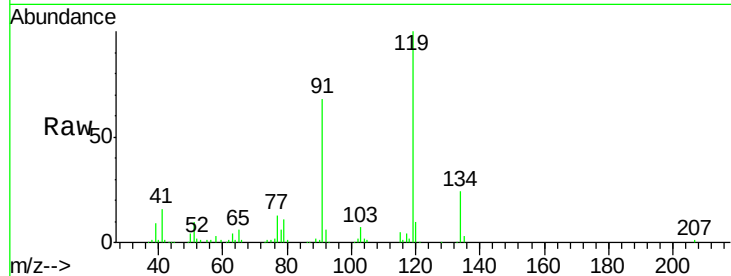
#83
 tert-Butylbenzene
 Concen: 19.20 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.0	101.8
134	25.1	12.7	38.0

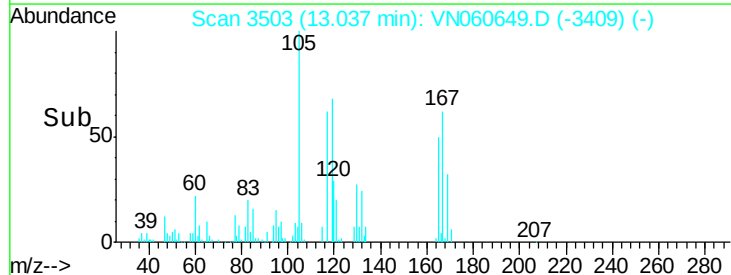
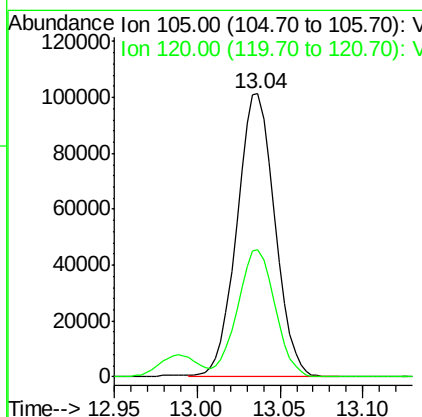
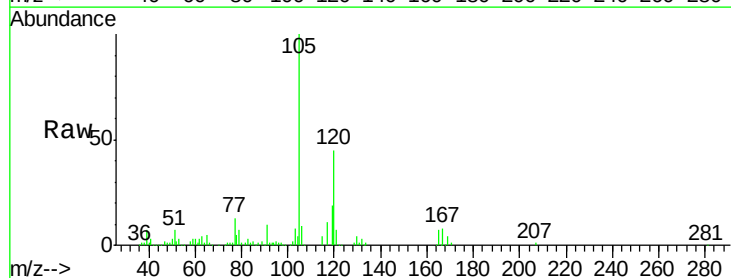
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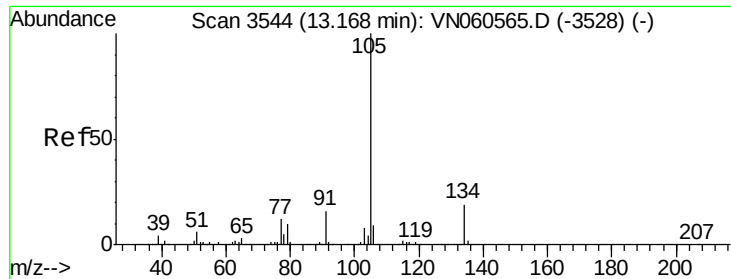
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.42 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.13 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tgt Ion:105 Resp: 178887

Ion Ratio Lower Upper

105 100

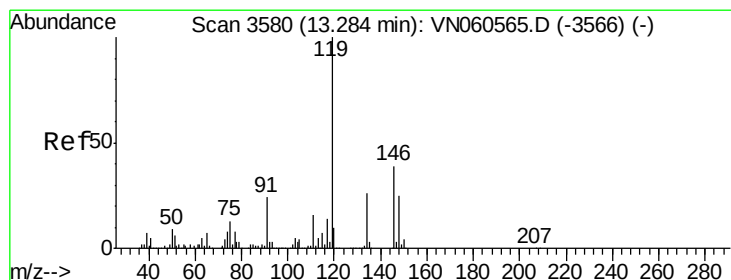
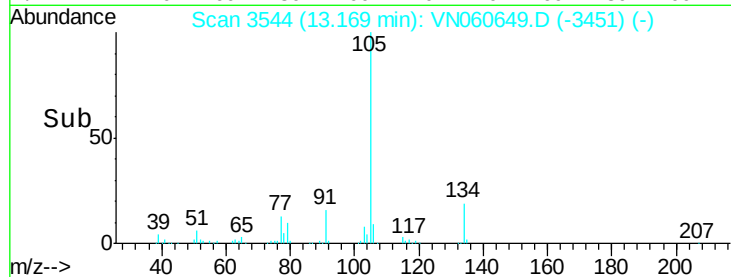
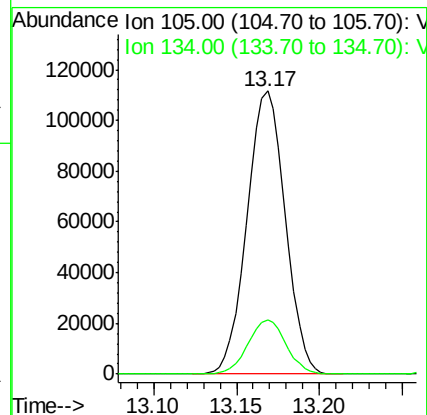
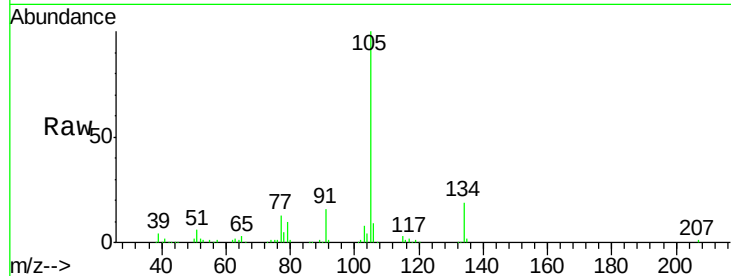
134 19.1 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 19.21 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060649.D

Acq: 20 Mar 2020 13:55

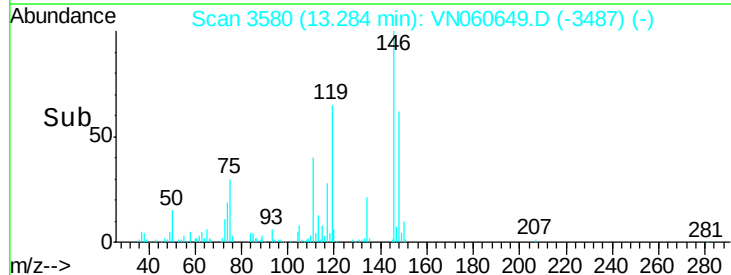
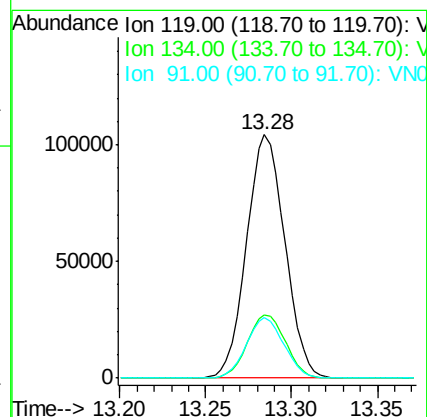
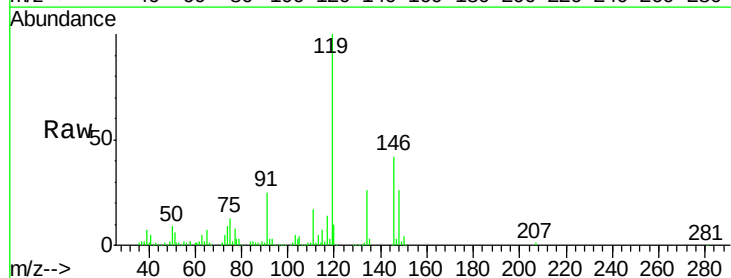
Tgt Ion:119 Resp: 161558

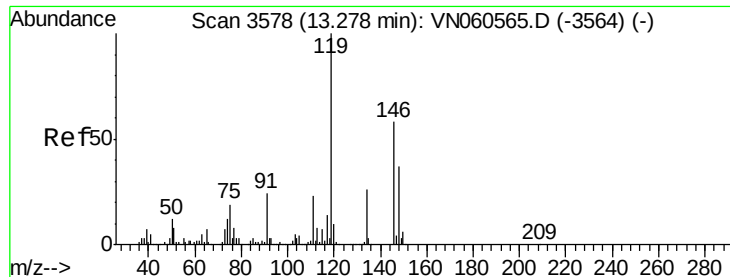
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.5 12.0 36.0





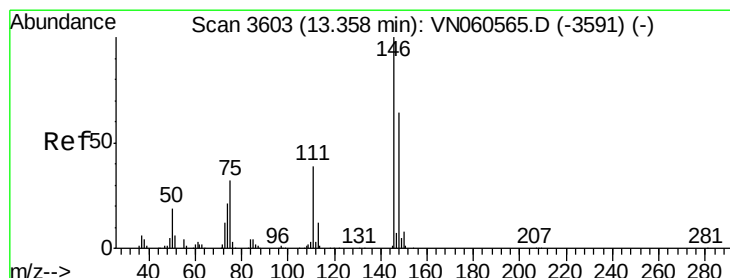
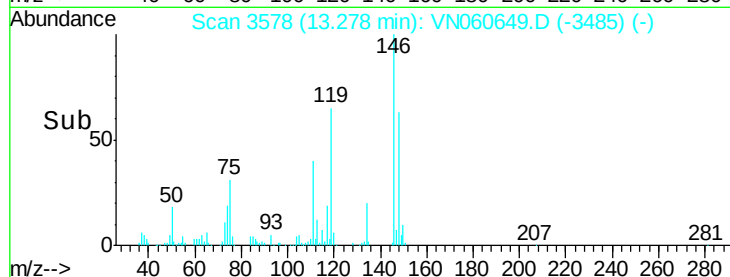
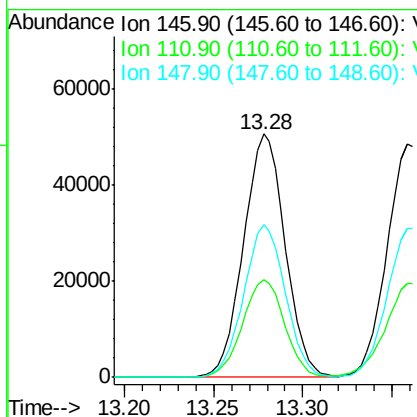
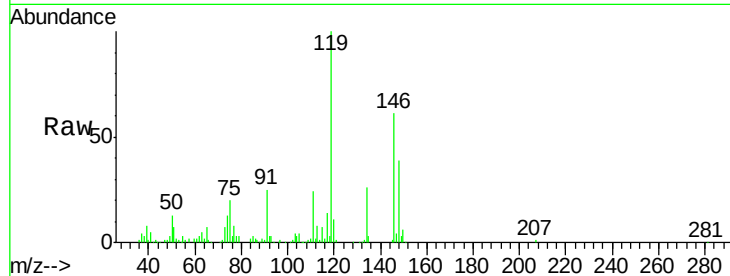
#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	62.9	32.5	97.4

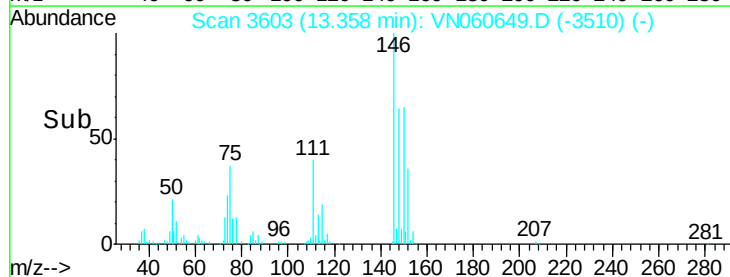
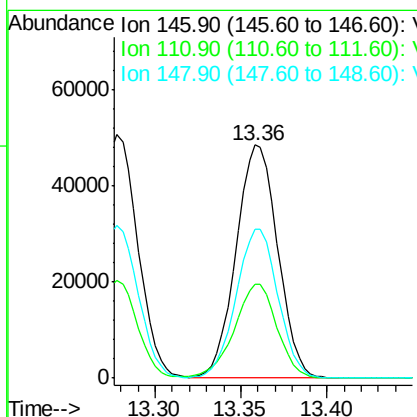
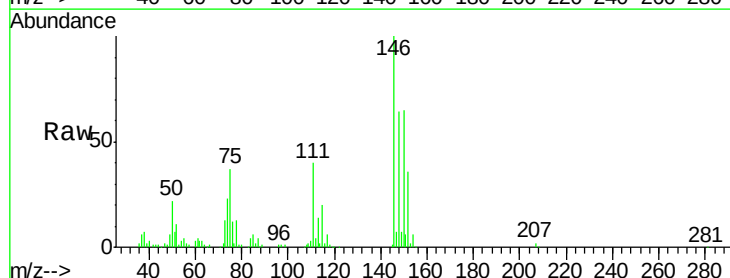
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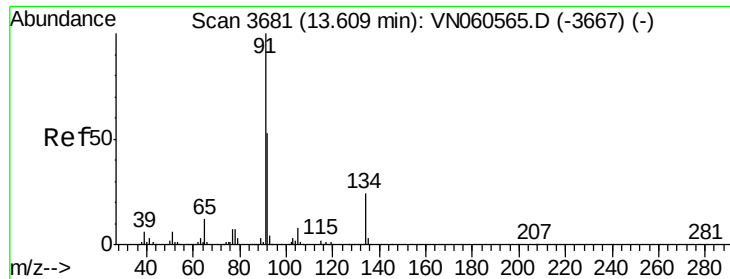
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#88
 1,4-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.6	58.7
148	64.3	32.1	96.3





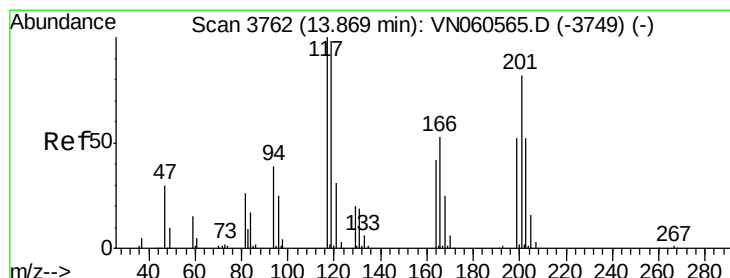
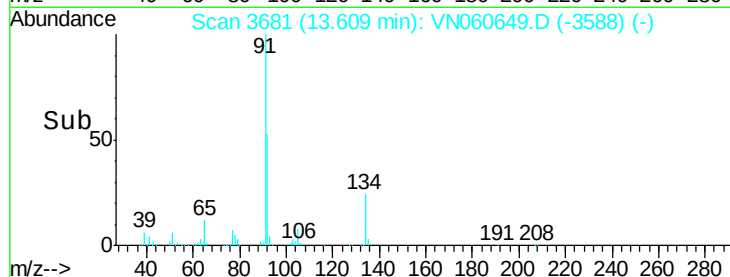
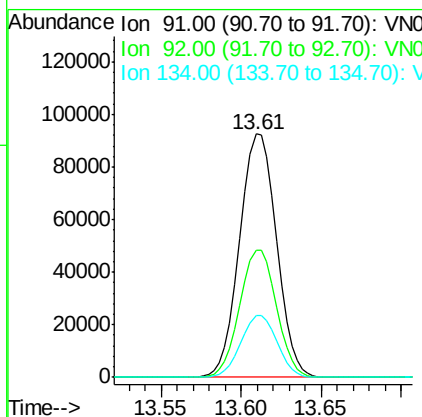
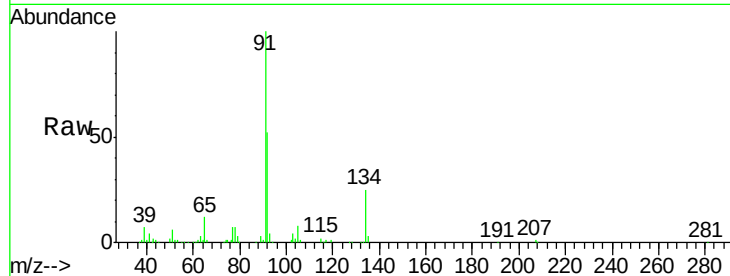
#89
n-Butylbenzene
Concen: 19.19 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	25.0	12.3	36.9

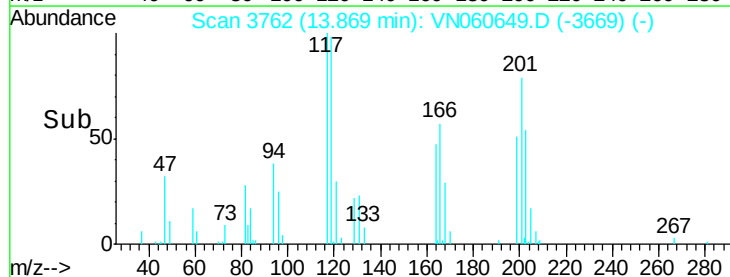
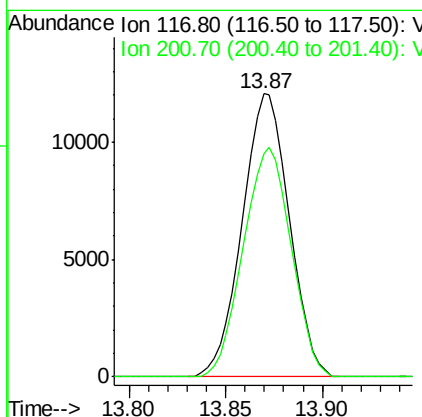
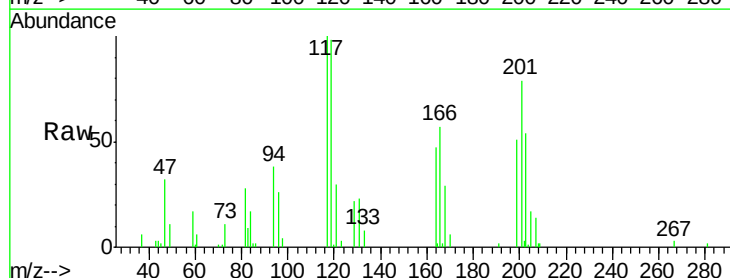
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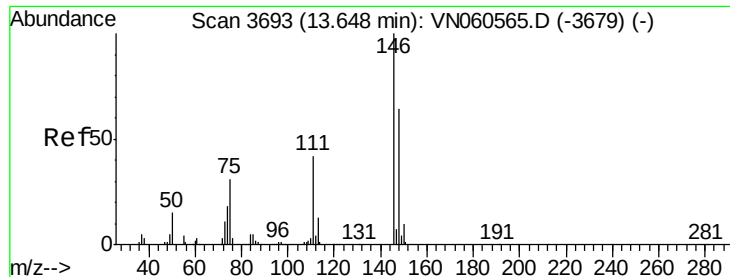
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#90
Hexachloroethane
Concen: 16.74 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	40.8	122.5





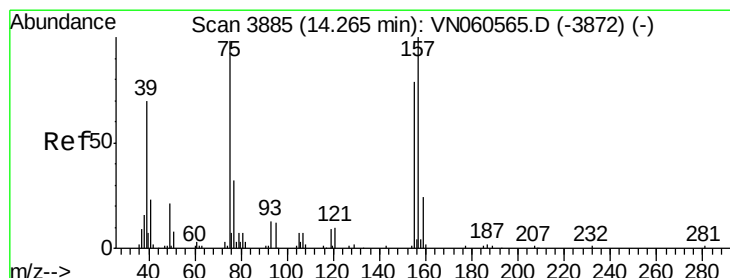
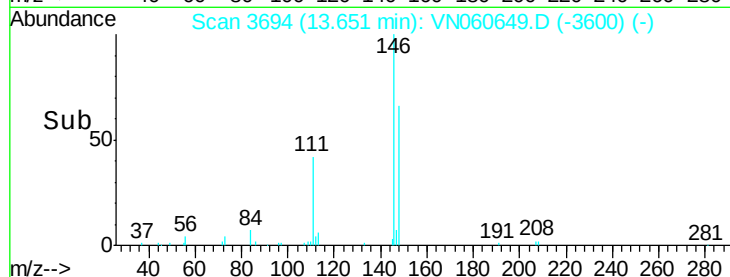
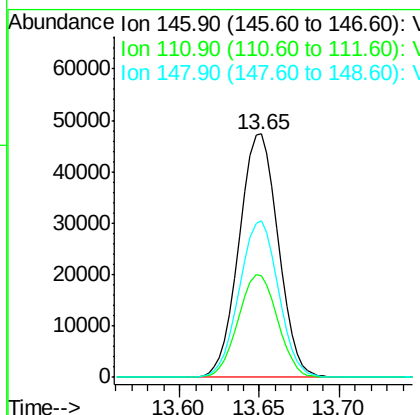
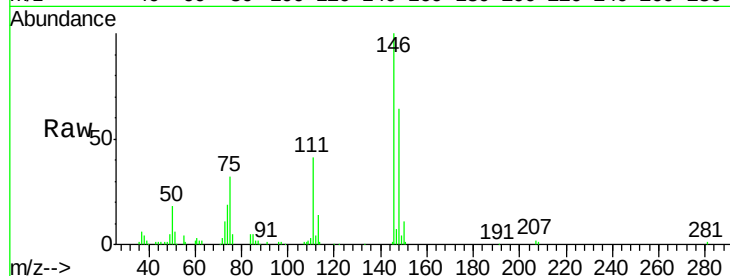
#91
 1,2-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.1	31.9	95.5

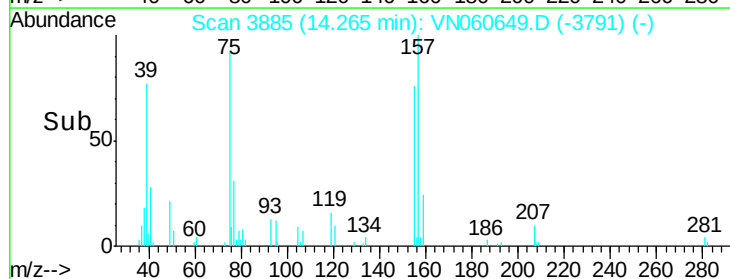
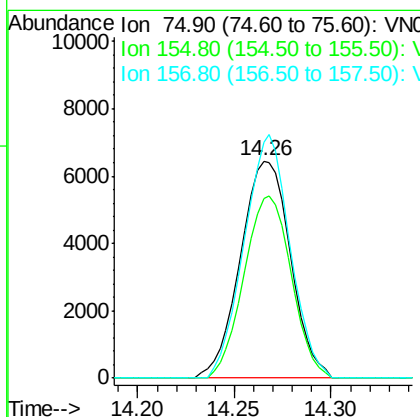
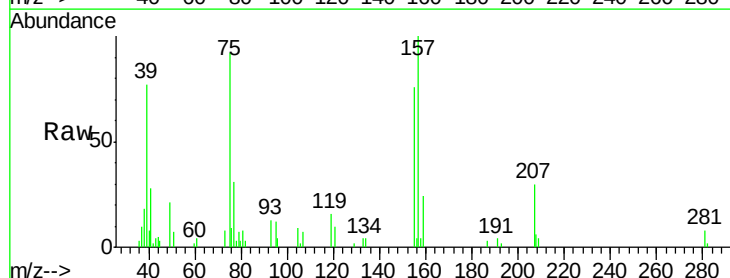
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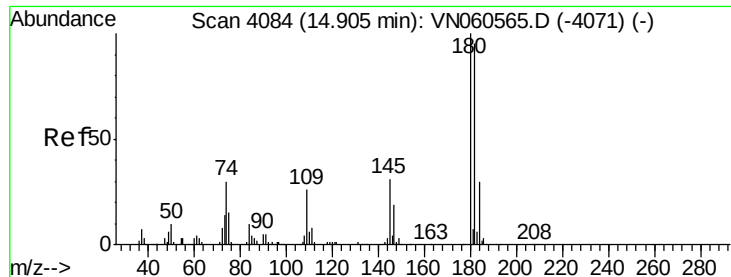
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.38 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.7	122.1
157	102.4	51.5	154.7





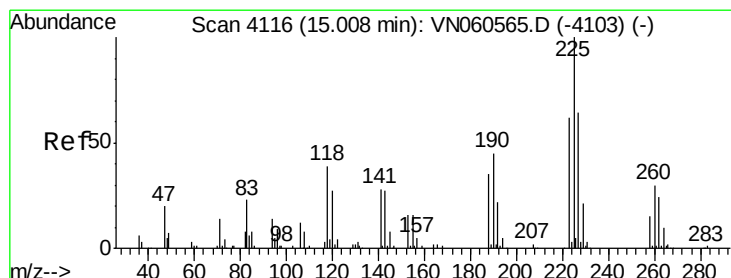
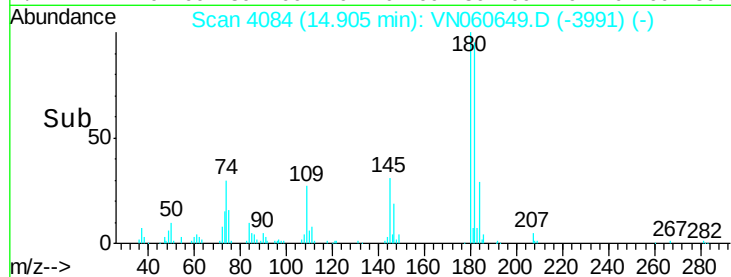
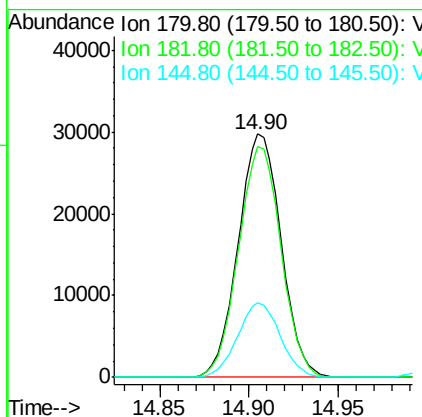
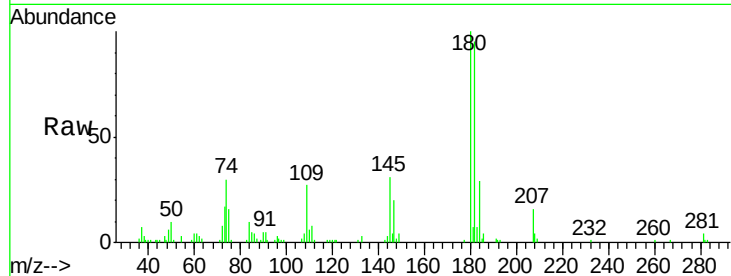
#93
 1,2,4-Trichlorobenzene
 Concen: 20.23 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	30.4	15.4	46.2

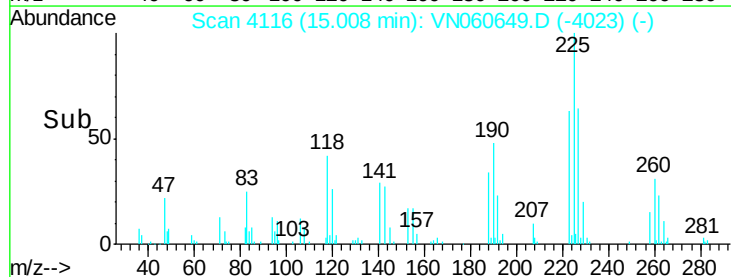
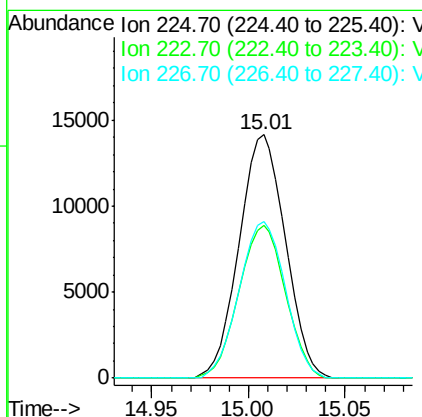
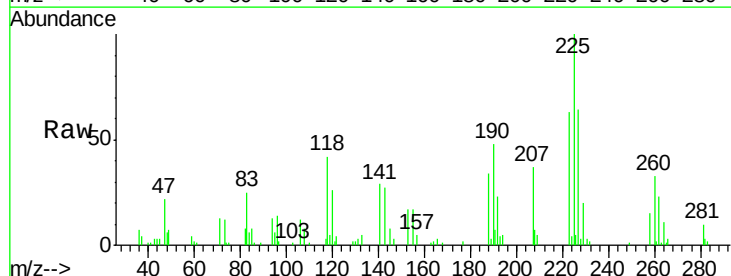
Manual Integrations
 APPROVED

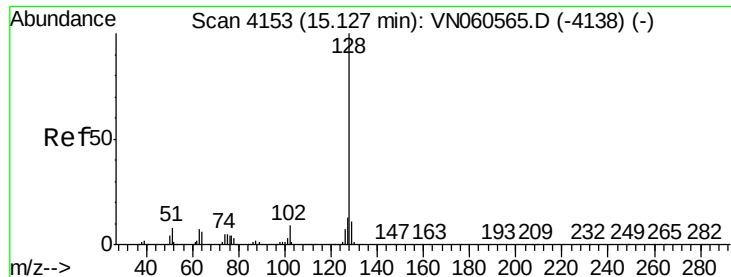
MMDadoda
 3/23/2020 2:27:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.48 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060649.D
 Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	64.2	32.3	96.8





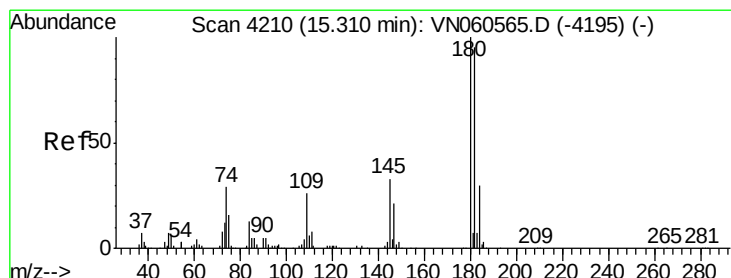
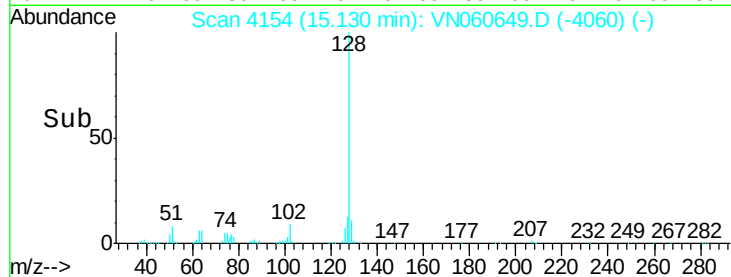
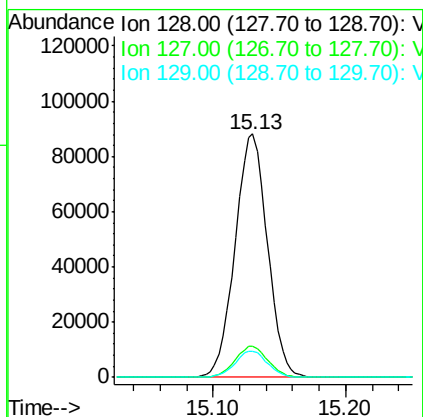
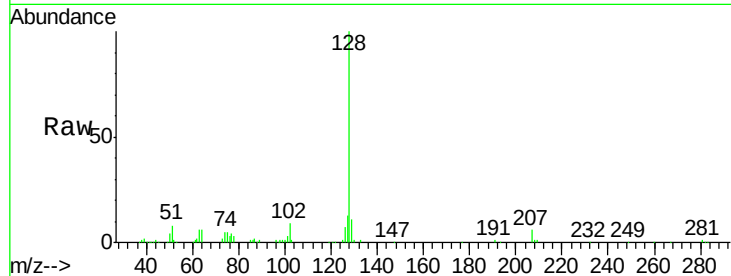
#95
Naphthalene
Concen: 20.16 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:27:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.59 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060649.D
Acq: 20 Mar 2020 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	32.3	16.3	48.8

