

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
 Data File : VN060648.D
 Acq On : 20 Mar 2020 13:23
 Operator : JC/MD
 Sample : VN0320WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:42:13 PM

Quant Time: Mar 21 04:23:50 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	195476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	129912	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.56	113	96136	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.08	98	386239	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	140309	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	37137	19.63	ug/l	99
3) Chloromethane	2.04	50	62485	17.69	ug/l	99
4) Vinyl Chloride	2.16	62	50285	18.20	ug/l	98
5) Bromomethane	2.55	94	24160	20.26	ug/l	96
6) Chloroethane	2.68	64	29890	18.78	ug/l	100
7) Trichlorofluoromethane	3.00	101	63903	18.78	ug/l	98
8) Diethyl Ether	3.38	74	25713	18.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38376	19.46	ug/l	99
10) Methyl Iodide	3.93	142	34959	19.92	ug/l	100
11) Tert butyl alcohol	4.73	59	37682	95.48	ug/l	99
12) 1,1-Dichloroethene	3.71	96	38857	18.36	ug/l	97
13) Acrolein	3.58	56	29704	67.91	ug/l	98
14) Allyl chloride	4.29	41	69332	18.63	ug/l	97
15) Acrylonitrile	4.94	53	104804	90.31	ug/l	99
16) Acetone	3.78	43	93469	98.33	ug/l	100
17) Carbon Disulfide	4.03	76	118315	18.38	ug/l	100
18) Methyl Acetate	4.28	43	48239	18.03	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	133056	18.29	ug/l	100
20) Methylene Chloride	4.52	84	43490	18.60	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	41677	18.48	ug/l	97
22) Diisopropyl ether	5.91	45	150496	19.14	ug/l	99
23) Vinyl Acetate	5.86	43	607336	94.65	ug/l	100
24) 1,1-Dichloroethane	5.82	63	81937	19.11	ug/l	99
25) 2-Butanone	6.80	43	140456	91.32	ug/l	100
26) 2,2-Dichloropropane	6.79	77	69727	20.67	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	48673	18.99	ug/l	99
28) Bromochloromethane	7.17	49	41076	20.03	ug/l	99
29) Tetrahydrofuran	7.18	42	97132	89.25	ug/l	99
30) Chloroform	7.35	83	78546	19.11	ug/l	100
31) Cyclohexane	7.63	56	79773	18.46	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	66798	18.85	ug/l	97
36) 1,1-Dichloropropene	7.77	75	61093	19.61	ug/l	100
37) Ethyl Acetate	6.89	43	61065	18.14	ug/l	99
38) Carbon Tetrachloride	7.75	117	52635	18.85	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72403	19.56	ug/l	97
40) Benzene	8.02	78	182331	19.39	ug/l	99
41) Methacrylonitrile	7.15	41	27181m	18.92	ug/l	
42) 1,2-Dichloroethane	8.10	62	62784	19.53	ug/l	98
43) Isopropyl Acetate	8.14	43	101909	18.36	ug/l	100
44) Trichloroethene	8.82	130	47304	19.95	ug/l	100
45) 1,2-Dichloropropane	9.10	63	49247	19.84	ug/l	98
46) Dibromomethane	9.19	93	29228	19.48	ug/l	99
47) Bromodichloromethane	9.39	83	60819	19.51	ug/l	99
48) Methyl methacrylate	9.18	41	45707	18.49	ug/l	97
49) 1,4-Dioxane	9.18	88	14028	477.46	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	294637	93.26	ug/l	100
52) Toluene	10.14	92	110608	19.47	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70372	19.65	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	75983	19.34	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42112	19.27	ug/l	97
56) Ethyl methacrylate	10.42	69	63497	18.64	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74109	19.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	165584	97.78	ug/l	100
59) 2-Hexanone	10.74	43	211845	93.09	ug/l	99
60) Dibromochloromethane	10.89	129	43688	19.36	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42233	19.22	ug/l	100
64) Tetrachloroethene	10.62	164	46365	20.10	ug/l	98
65) Chlorobenzene	11.43	112	112879	19.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40873	19.43	ug/l	99
67) Ethyl Benzene	11.50	91	210834	19.51	ug/l	99
68) m/p-Xylenes	11.62	106	155078	38.62	ug/l	98
69) o-Xylene	11.94	106	75636	19.73	ug/l	99
70) Styrene	11.96	104	119926	19.13	ug/l	100
71) Bromoform	12.12	173	30685	18.64	ug/l #	98
73) Isopropylbenzene	12.25	105	198782	19.02	ug/l	100
74) N-amyl acetate	12.06	43	85921	17.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58902	18.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54220m	18.04	ug/l	
77) Bromobenzene	12.52	156	47213	18.75	ug/l	99
78) n-propylbenzene	12.59	91	235738	19.09	ug/l	99
79) 2-Chlorotoluene	12.67	91	138706	18.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	168456	18.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20664	17.66	ug/l	95
82) 4-Chlorotoluene	12.77	91	142517	18.97	ug/l	100
83) tert-Butylbenzene	12.99	119	138303	18.81	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	168269	19.18	ug/l	99
85) sec-Butylbenzene	13.17	105	187626	18.98	ug/l	100
86) p-Isopropyltoluene	13.28	119	167075	18.79	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84581	19.04	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84820	19.01	ug/l	98
89) n-Butylbenzene	13.61	91	151258	18.84	ug/l	99
90) Hexachloroethane	13.87	117	22172	17.16	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82584	19.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11234	16.79	ug/l	99

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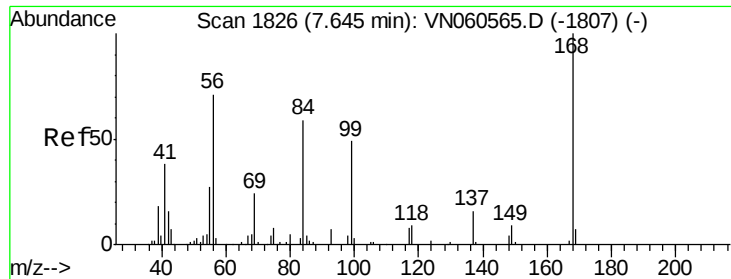
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49658	19.04	ug/l	99
94) Hexachlorobutadiene	15.01	225	23710	18.54	ug/l	99
95) Naphthalene	15.13	128	143123	18.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48406	18.84	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 168 Resp: 195476

Ion Ratio Lower Upper

168 100

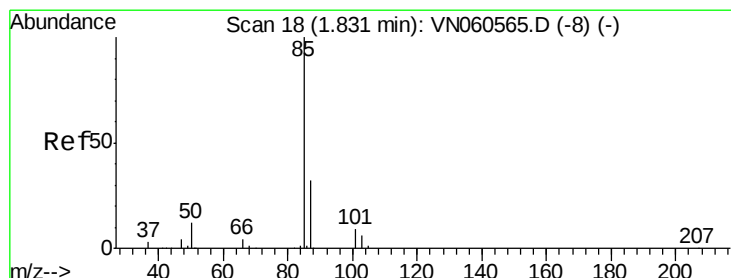
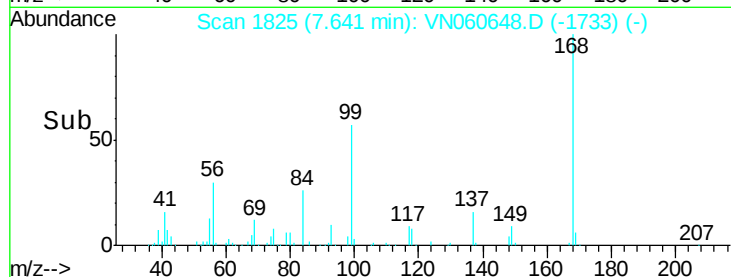
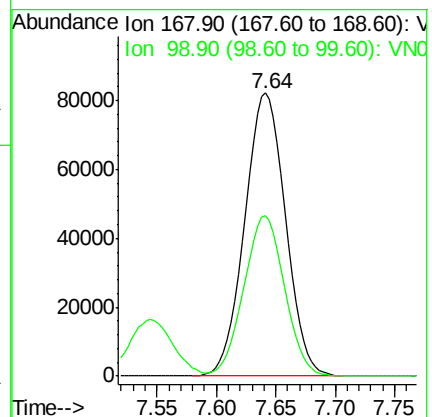
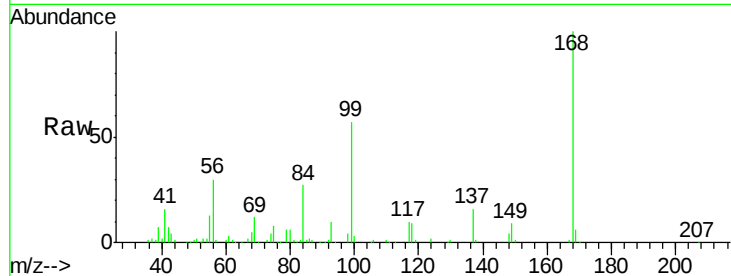
99 56.7 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.63 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060648.D

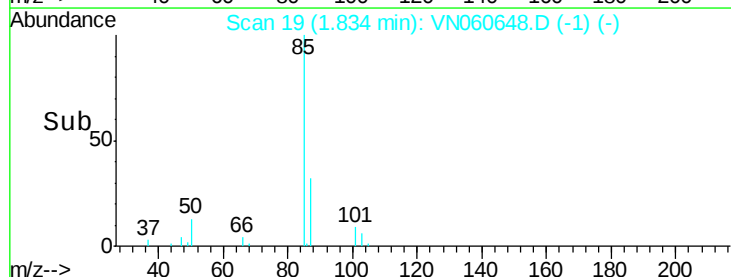
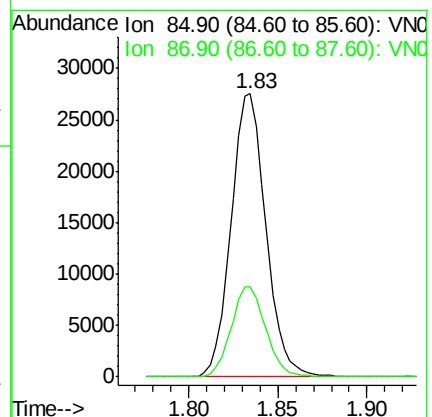
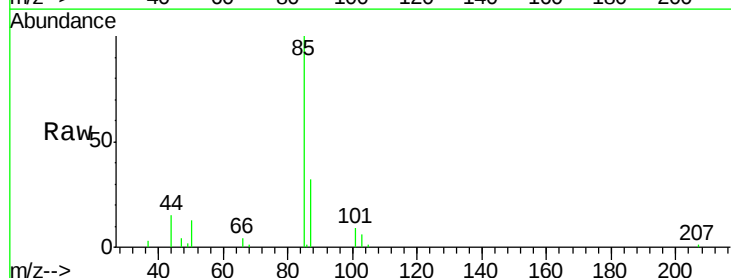
Acq: 20 Mar 2020 13:23

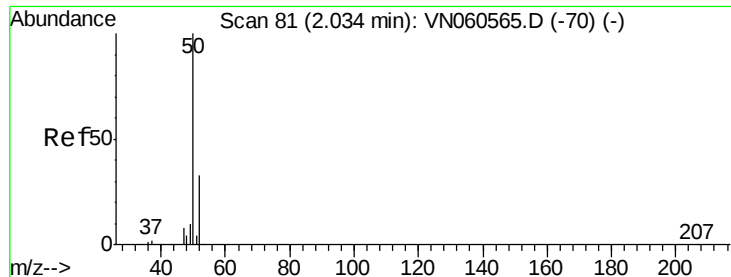
Tgt Ion: 85 Resp: 37137

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5





#3

Chloromethane

Concen: 17.69 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 50 Resp: 62485

Ion Ratio Lower Upper

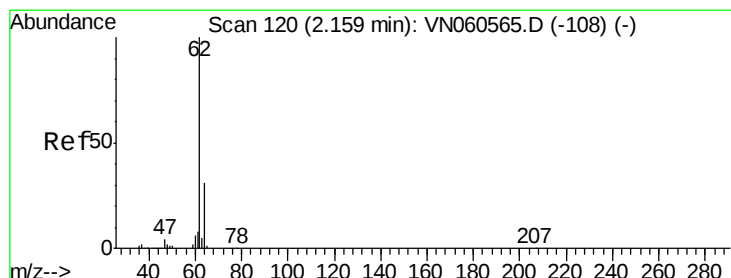
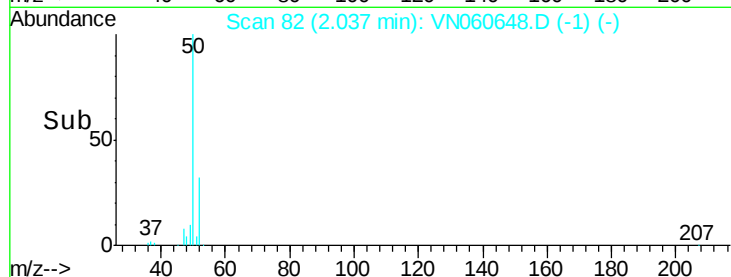
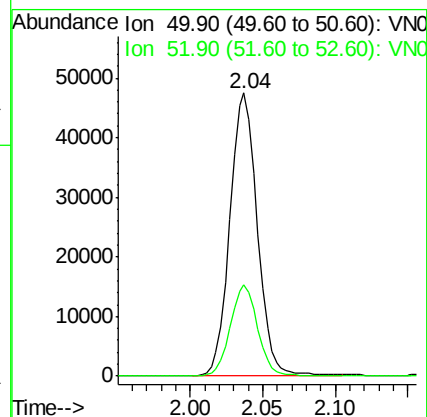
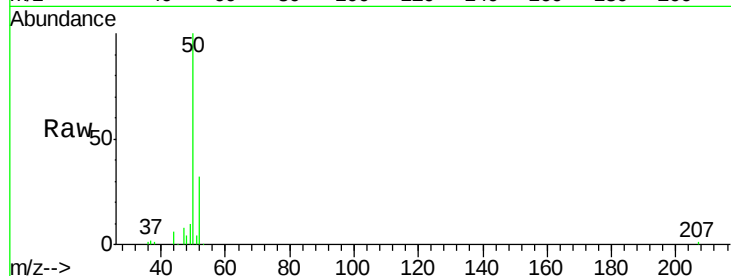
50 100

52 32.1 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.20 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060648.D

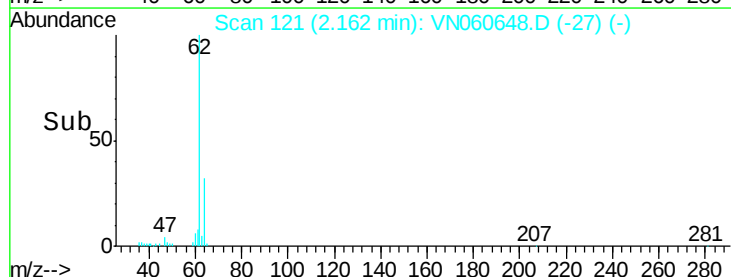
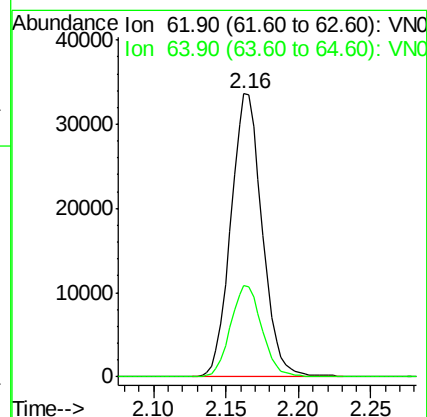
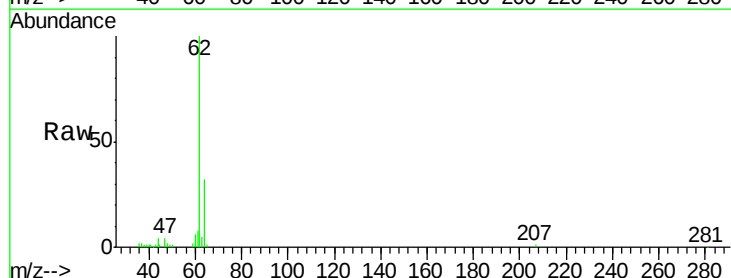
Acq: 20 Mar 2020 13:23

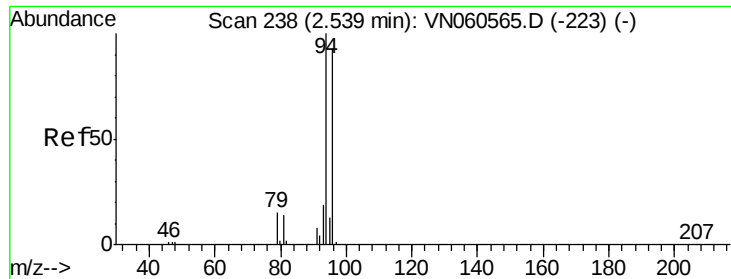
Tgt Ion: 62 Resp: 50285

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 20.26 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

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Tgt Ion: 94 Resp: 24160

Ion Ratio Lower Upper

94 100

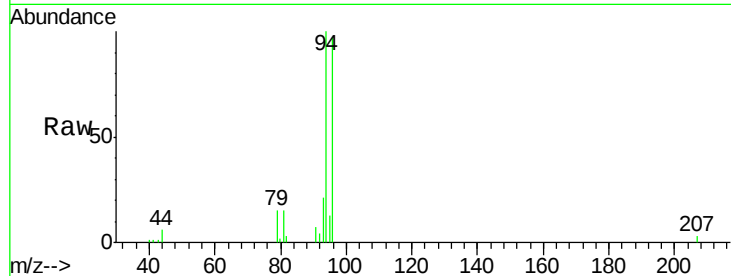
96 96.8 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

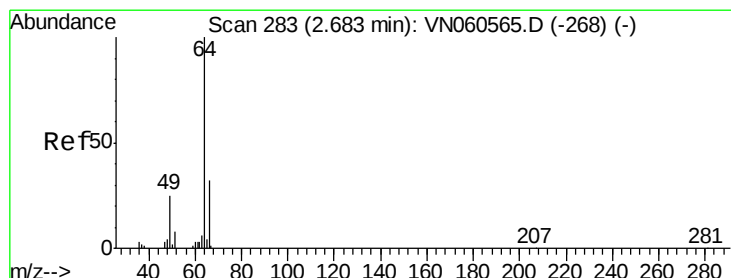
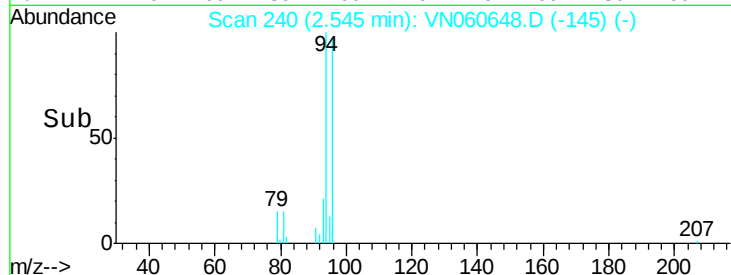
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060648.D

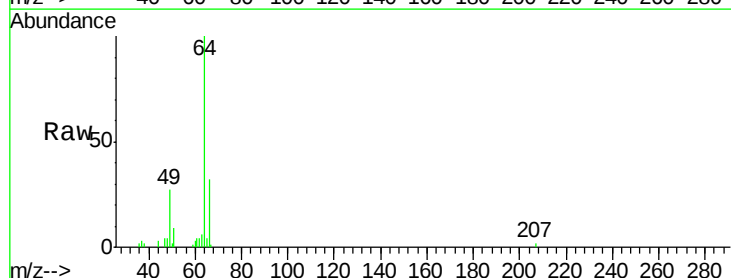
Acq: 20 Mar 2020 13:23

Tgt Ion: 64 Resp: 29890

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

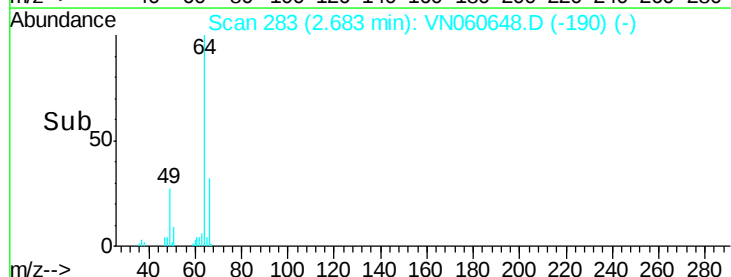
15000

10000

5000

0

Time-->





#7

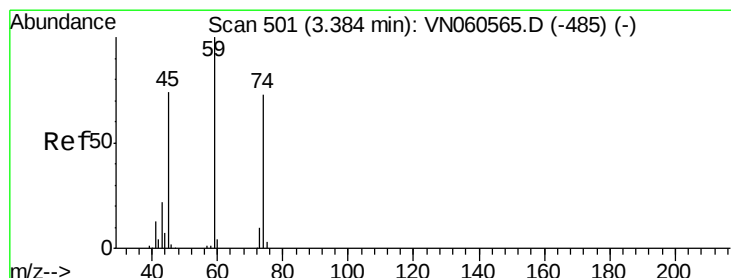
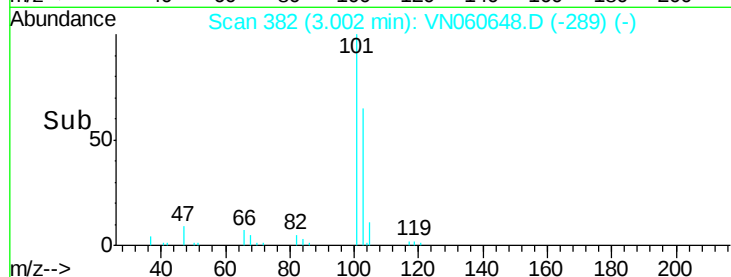
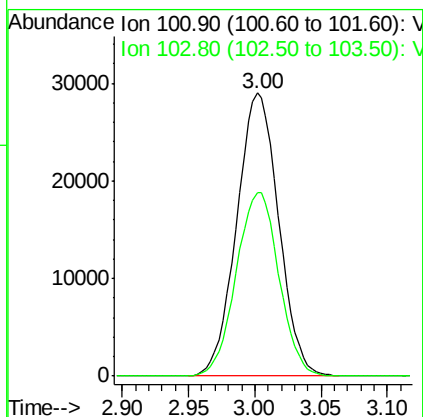
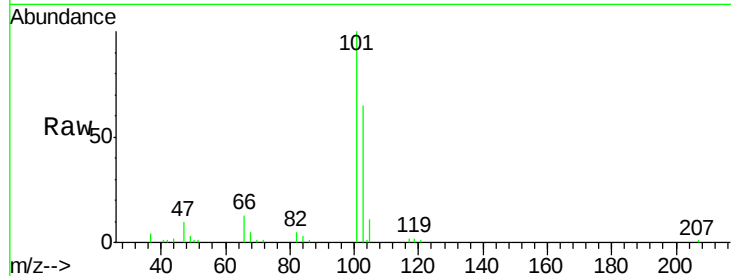
Trichlorofluoromethane
 Concen: 18.78 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060648.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.6	76.0

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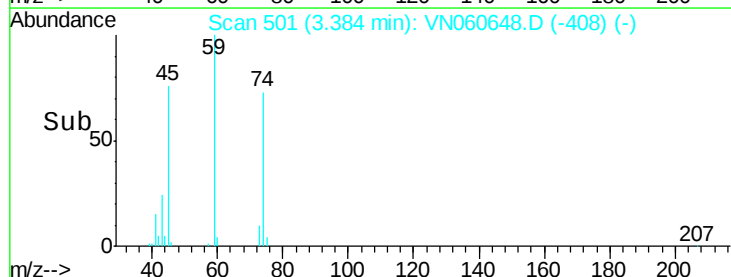
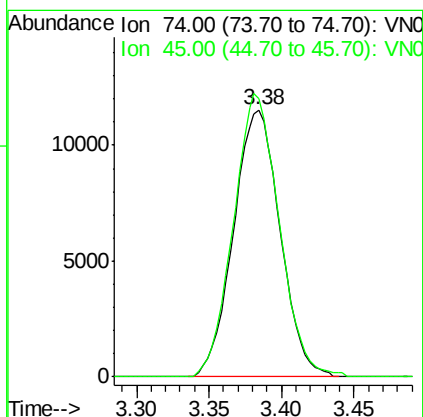
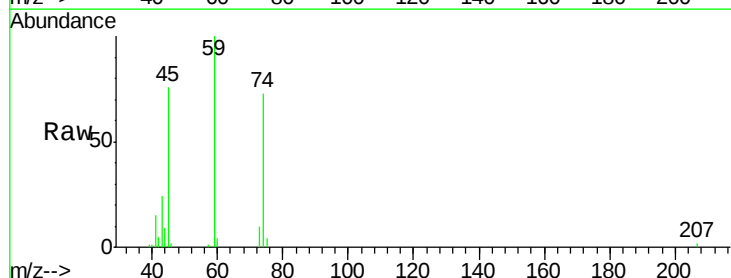
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#8

Diethyl Ether
 Concen: 18.81 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.46 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

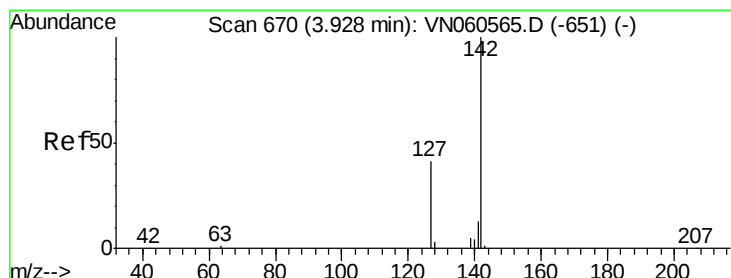
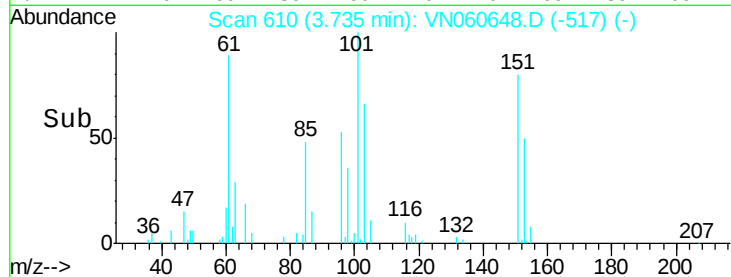
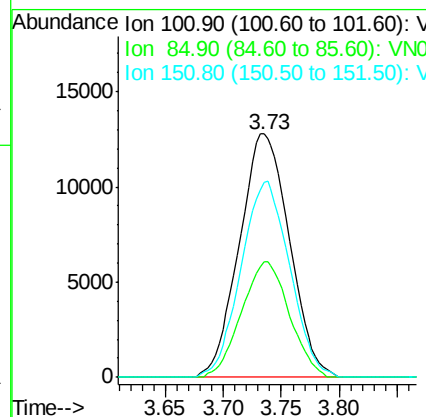
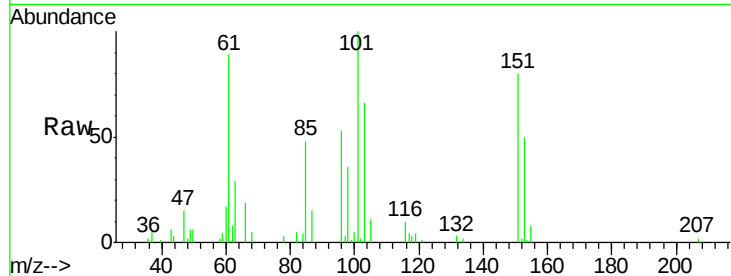
ClientSampleId :

VN0320WBS01

Tgt Ion:	101	Resp:	38376
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	78.2	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.92 ug/l

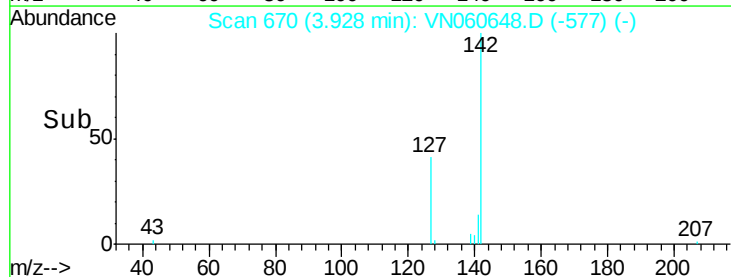
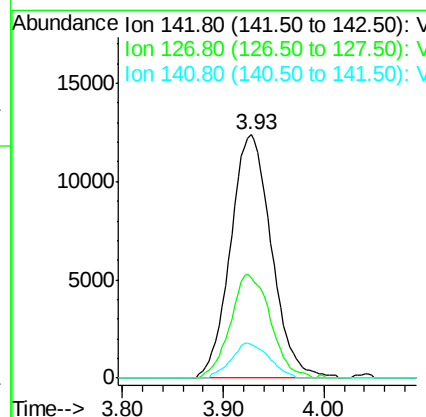
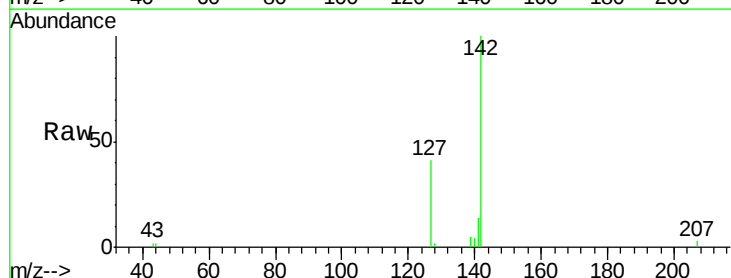
RT: 3.93 min Scan# 670

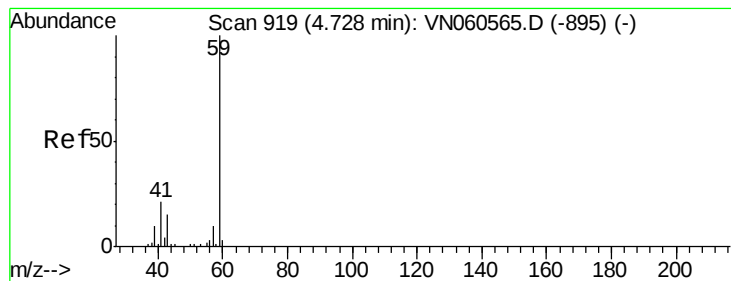
Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	142	Resp:	34959
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.5	50.3
141	13.3	11.0	16.6





#11

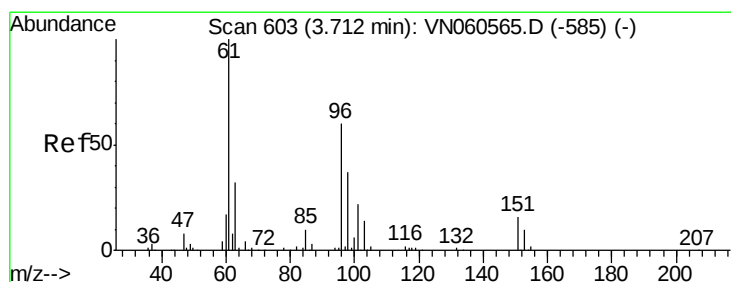
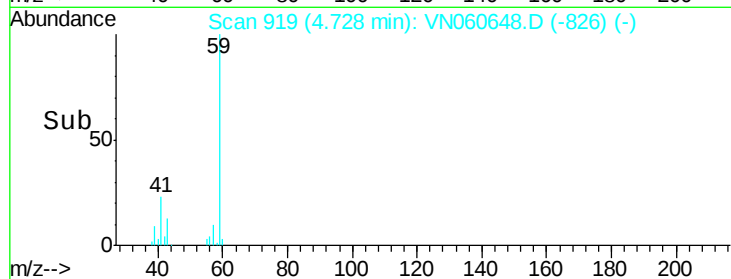
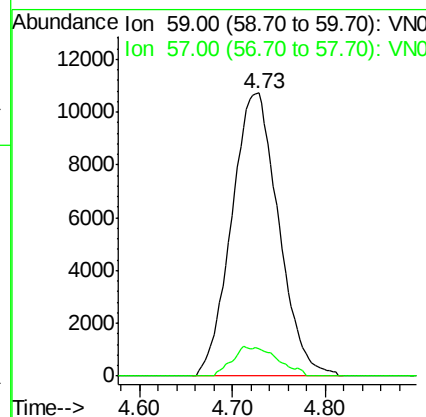
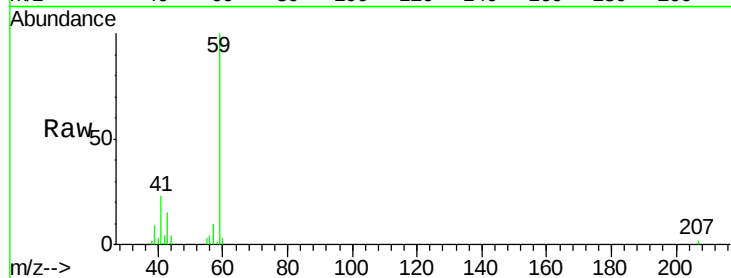
Tert butyl alcohol
 Concen: 95.48 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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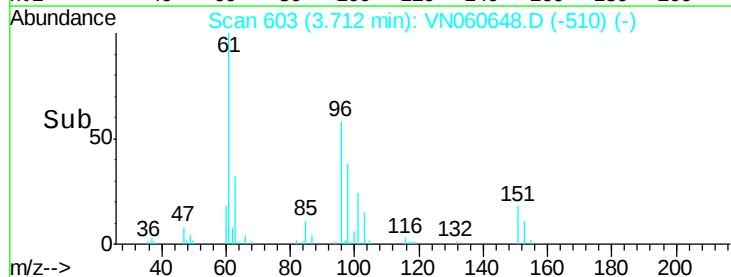
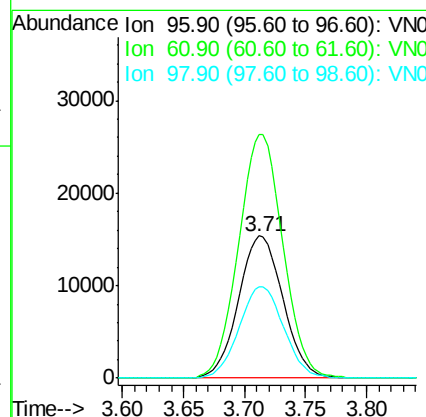
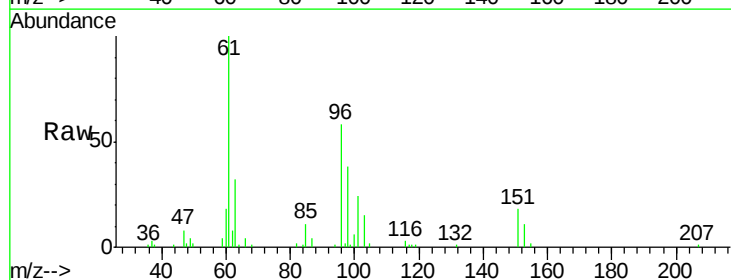
MMDadoda
 3/23/2020 2:42:13 PM

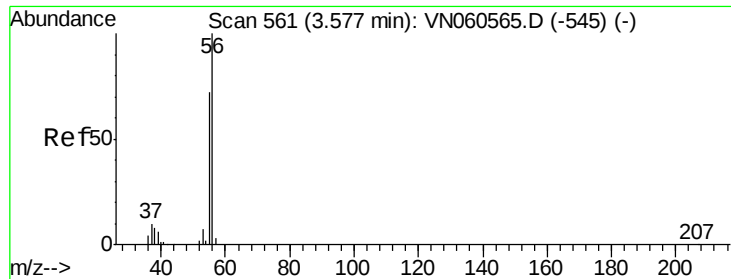


#12

1,1-Dichloroethene
 Concen: 18.36 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	134.1	201.1
98	64.8	49.9	74.9





#13

Acrolein

Concen: 67.91 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 56 Resp: 29704

Ion Ratio Lower Upper

56 100

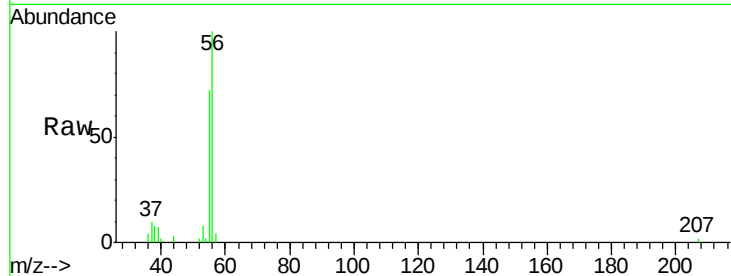
55 72.3 56.7 85.1

Manual Integrations

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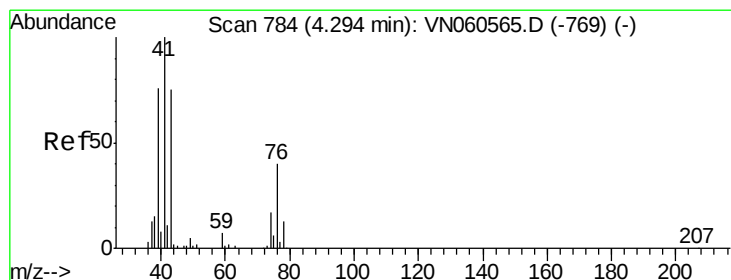
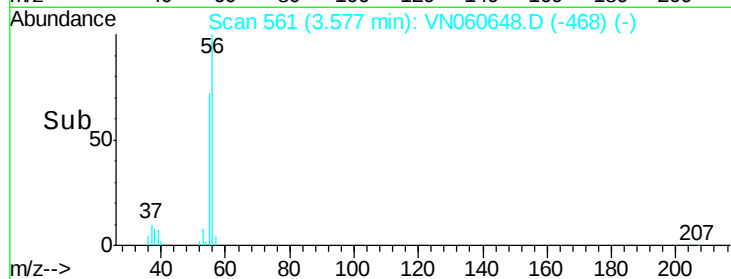
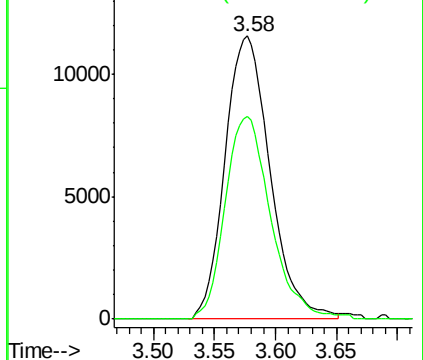
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.63 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

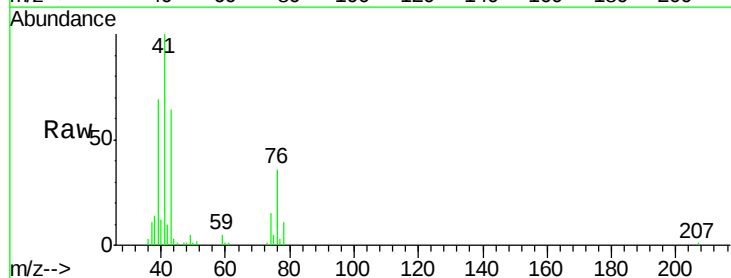
Tgt Ion: 41 Resp: 69332

Ion Ratio Lower Upper

41 100

39 69.6 57.8 86.8

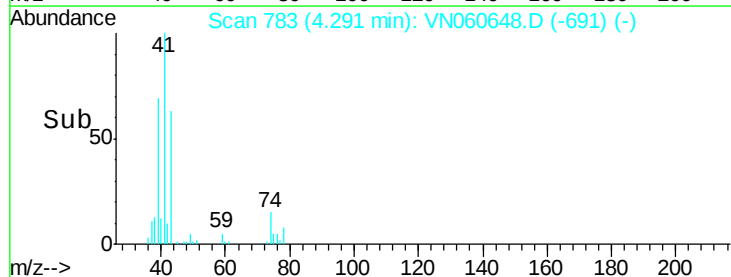
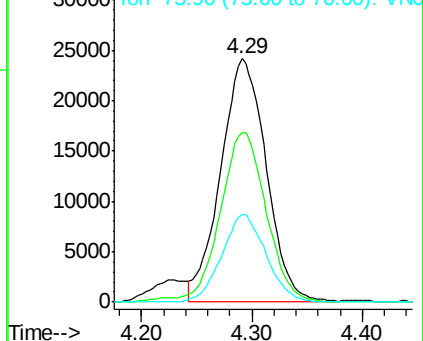
76 34.7 28.6 43.0

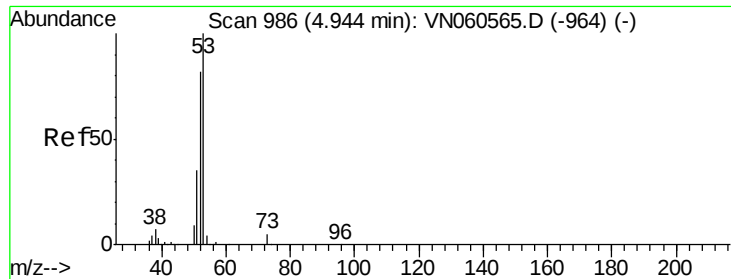


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 90.31 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

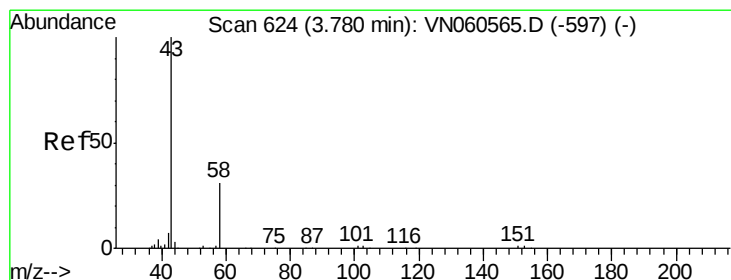
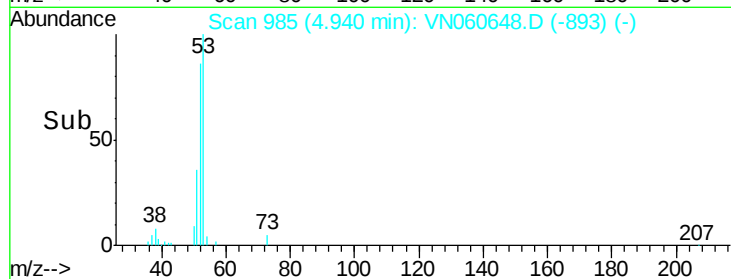
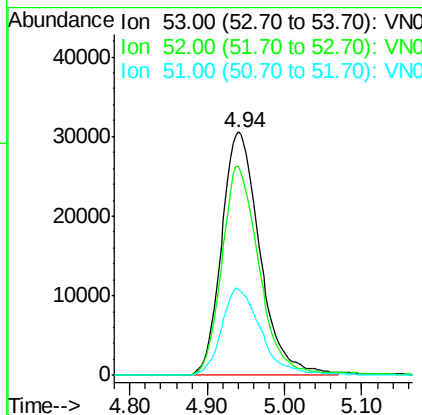
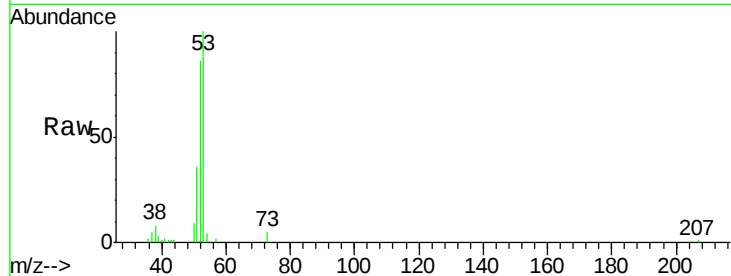
ClientSampleId :

VN0320WBS01

Tgt Ion:	53	Resp:	104804
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.2	99.4
51	36.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 98.33 ug/l

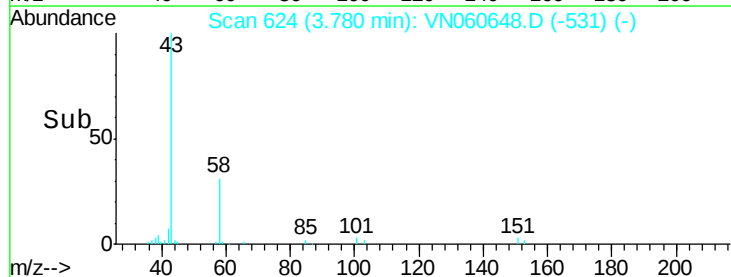
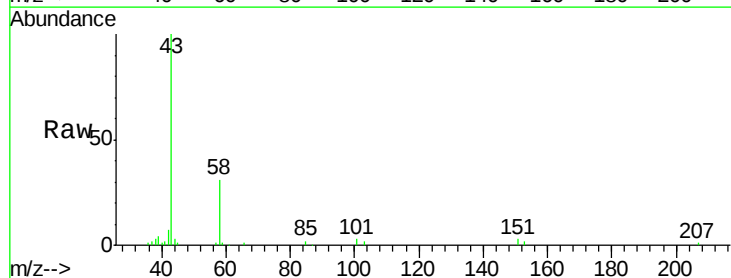
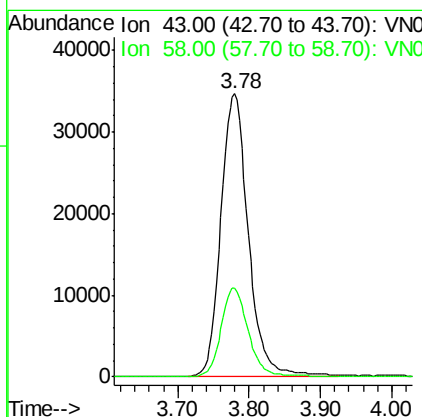
RT: 3.78 min Scan# 624

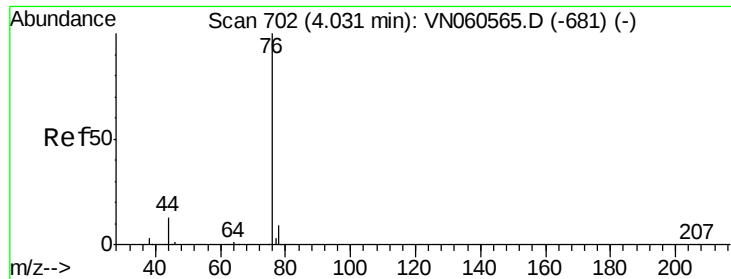
Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	43	Resp:	93469
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.1	37.7





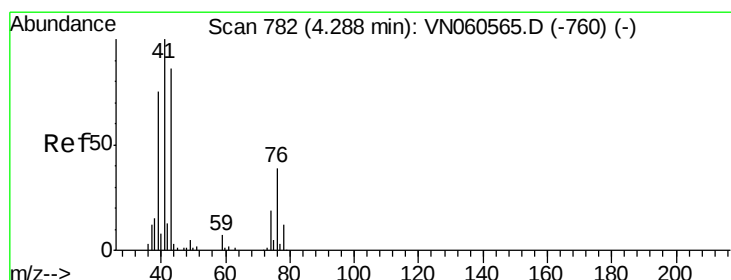
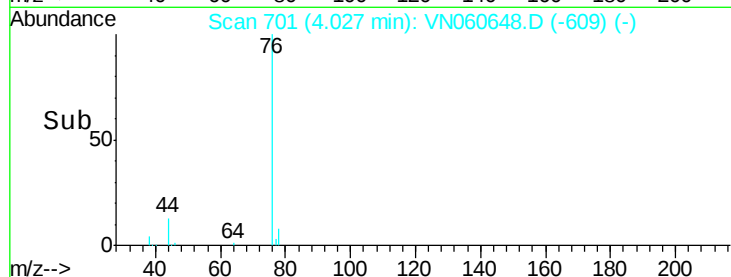
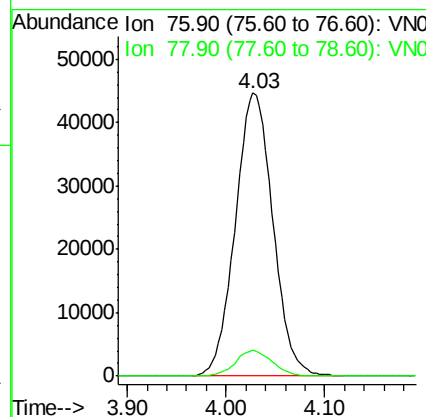
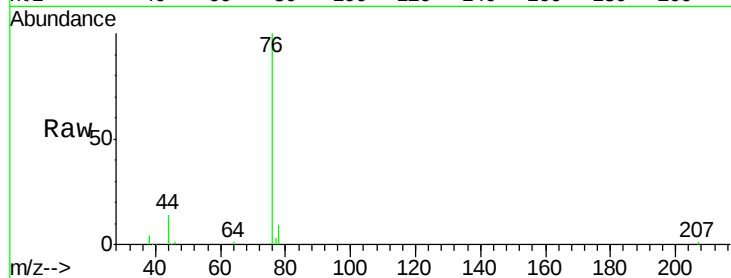
#17
Carbon Disulfide
Concen: 18.38 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion: 76 Resp: 118315
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

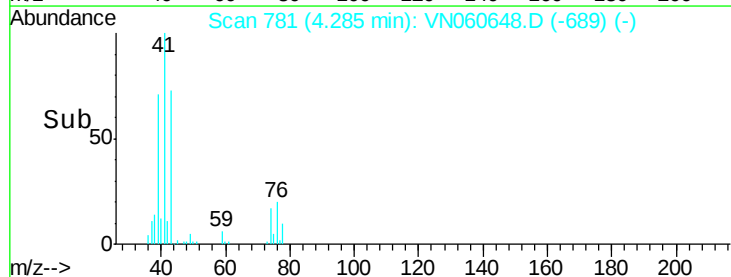
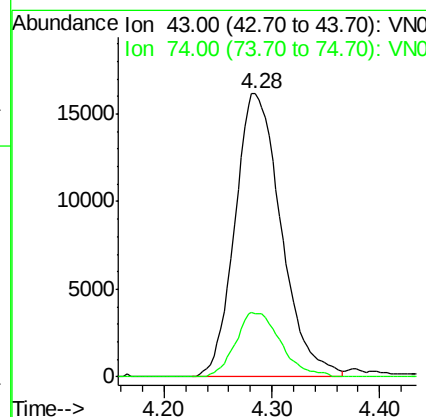
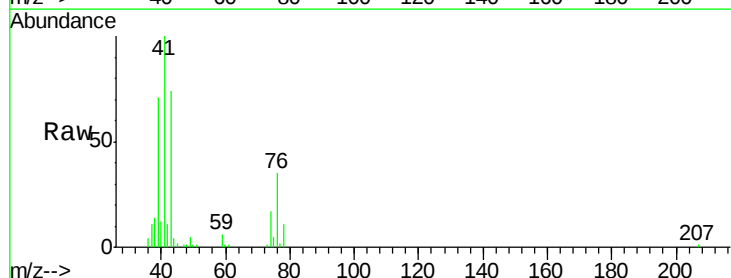
Manual Integrations
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3/23/2020 2:42:13 PM



#18
Methyl Acetate
Concen: 18.03 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion: 43 Resp: 48239
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3





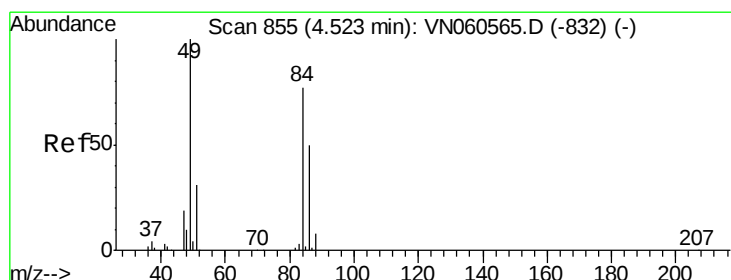
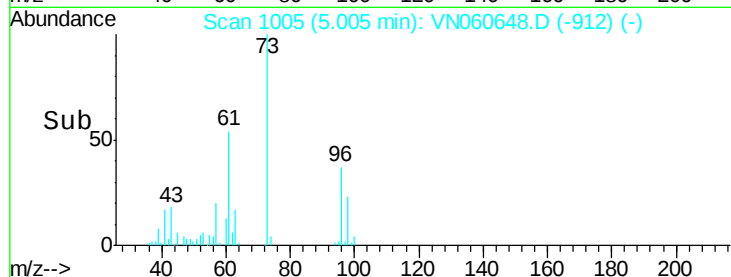
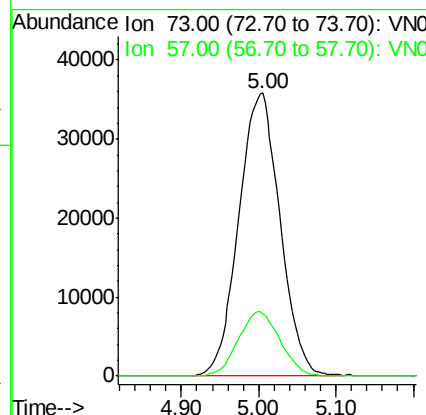
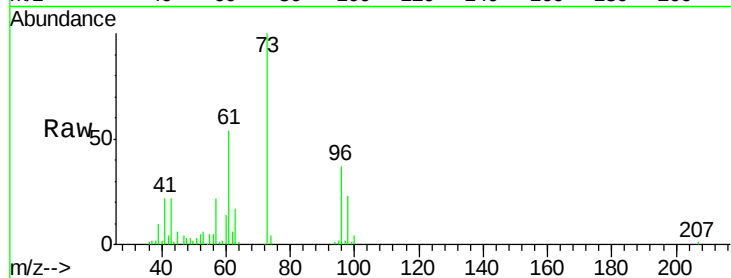
#19
Methyl tert-butyl Ether
Concen: 18.29 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion: 73 Resp: 133056
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3

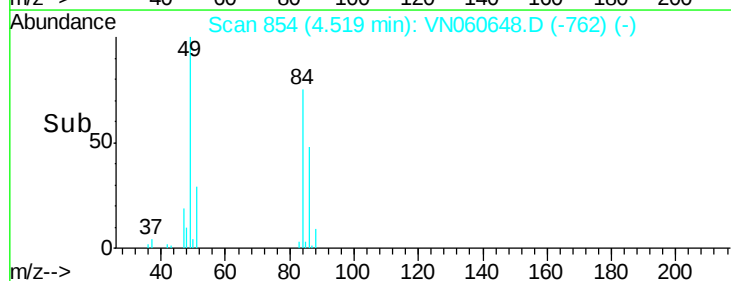
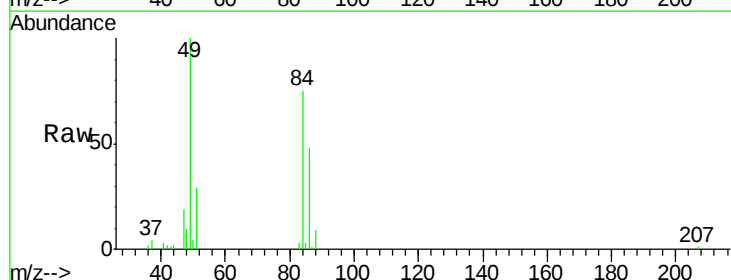
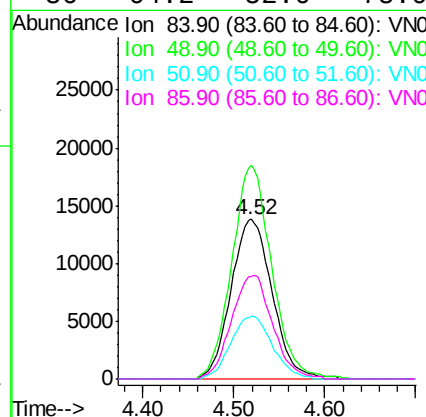
Manual Integrations
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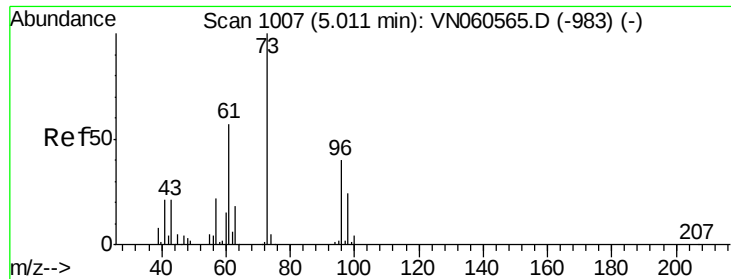
MMDadoda
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#20
Methylene Chloride
Concen: 18.60 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion: 84 Resp: 43490
Ion Ratio Lower Upper
84 100
49 133.8 103.3 154.9
51 39.1 31.6 47.4
86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.48 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

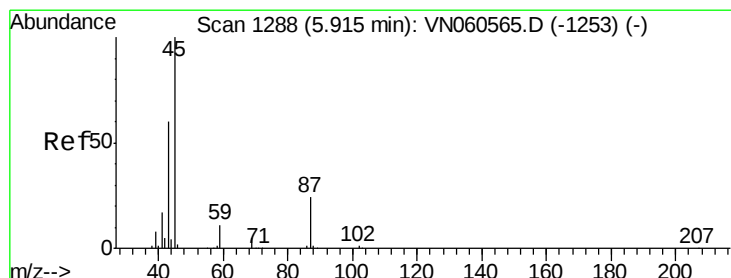
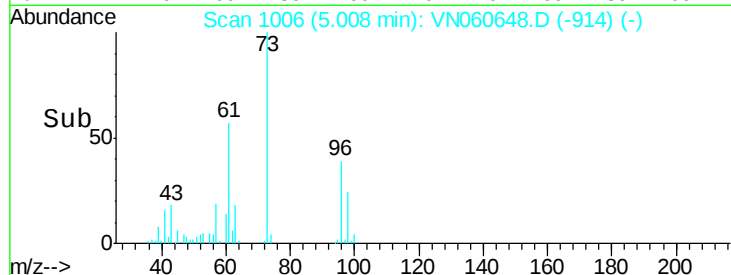
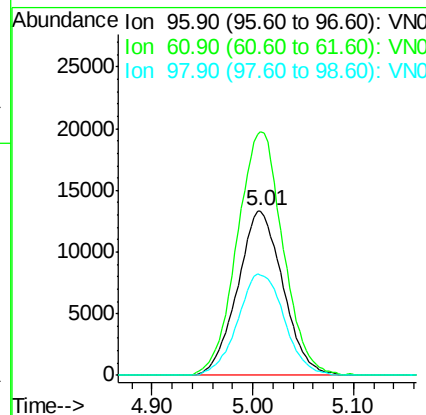
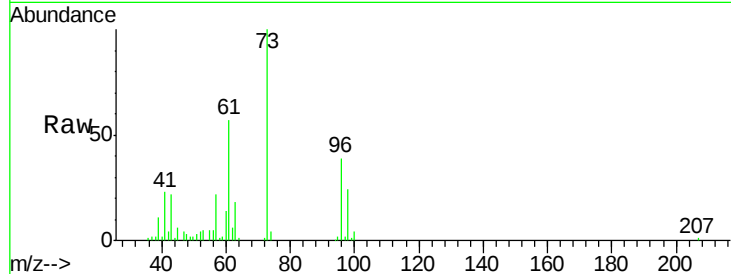
ClientSampleId :

VN0320WBS01

Tgt Ion:	96	Resp:	41677
Ion	Ratio	Lower	Upper
96	100		
61	147.8	114.4	171.6
98	60.9	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.14 ug/l

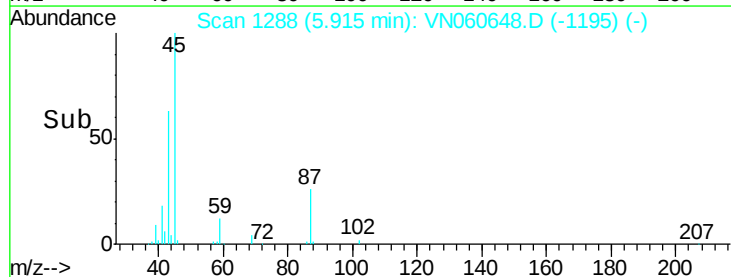
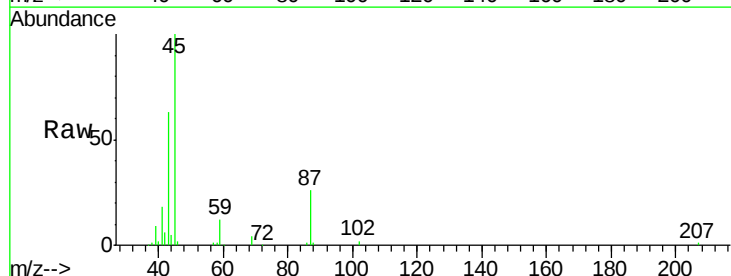
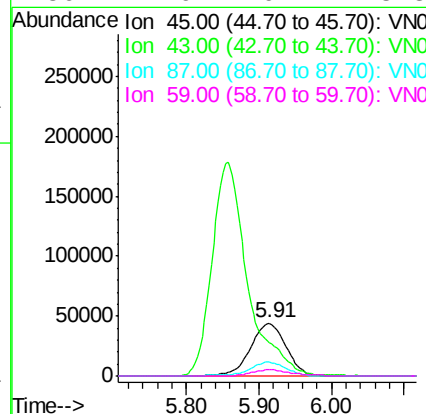
RT: 5.91 min Scan# 1288

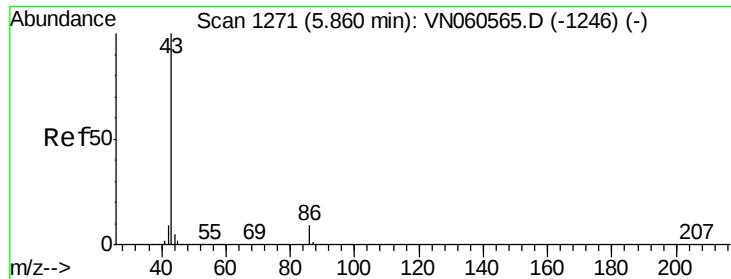
Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	45	Resp:	150496
Ion	Ratio	Lower	Upper
45	100		
43	61.6	49.8	74.8
87	25.5	20.1	30.1
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 94.65 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 43 Resp: 607336

Ion Ratio Lower Upper

43 100

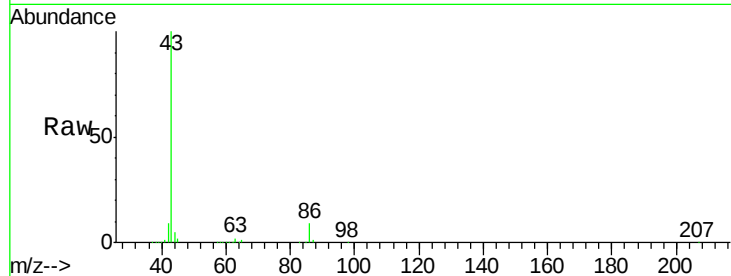
86 9.5 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

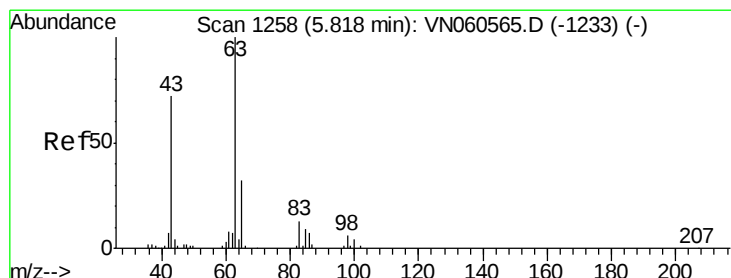
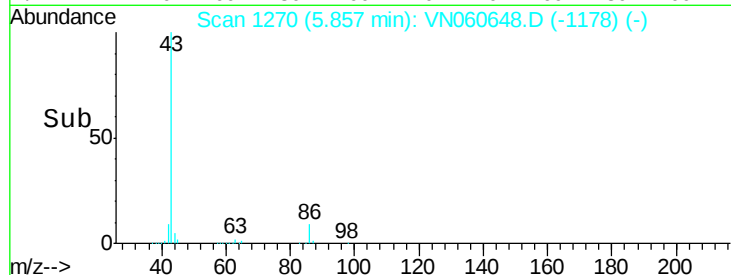
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.11 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

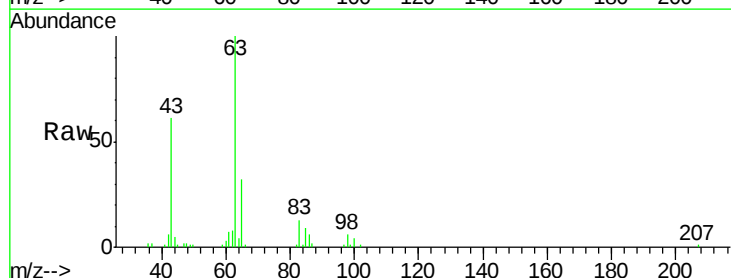
Tgt Ion: 63 Resp: 81937

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

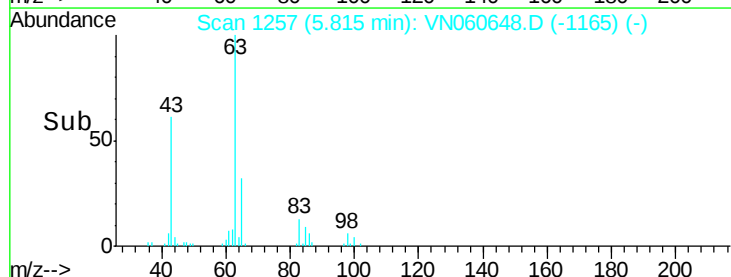
30000

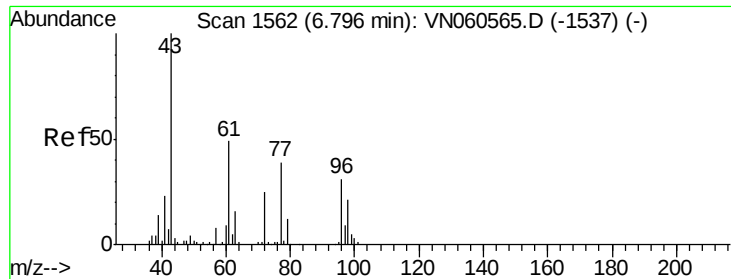
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.32 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 43 Resp: 140456

Ion Ratio Lower Upper

43 100

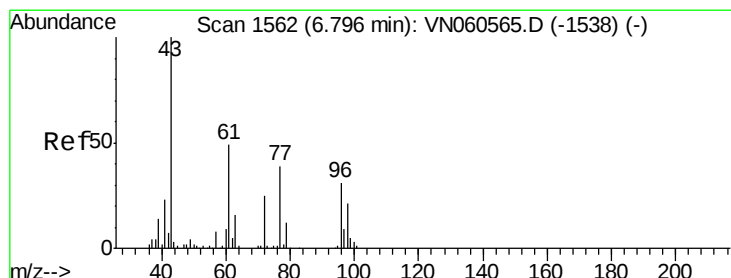
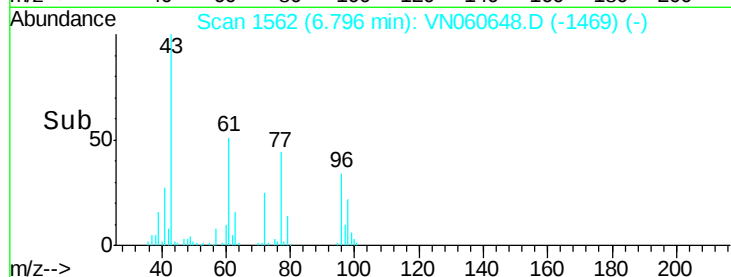
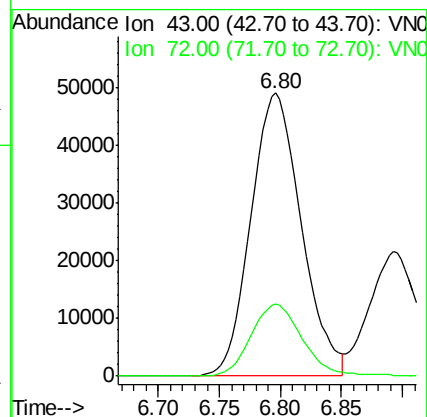
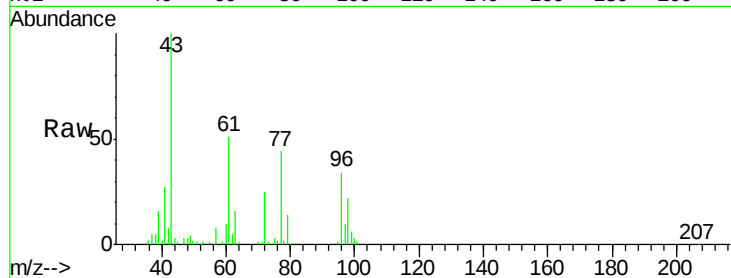
72 25.5 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.67 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060648.D

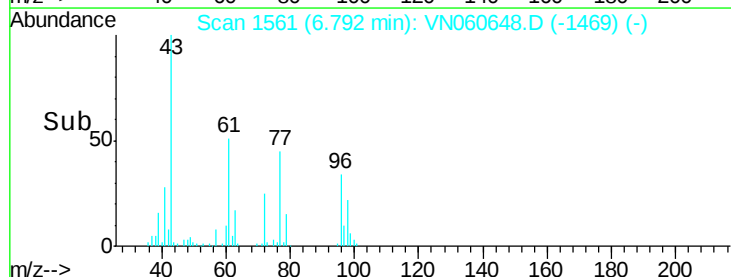
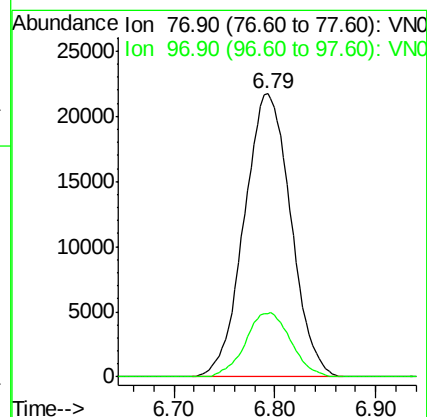
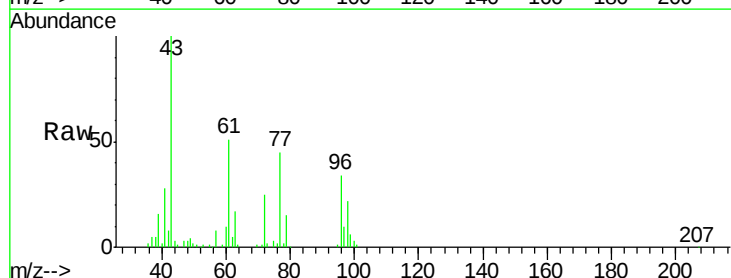
Acq: 20 Mar 2020 13:23

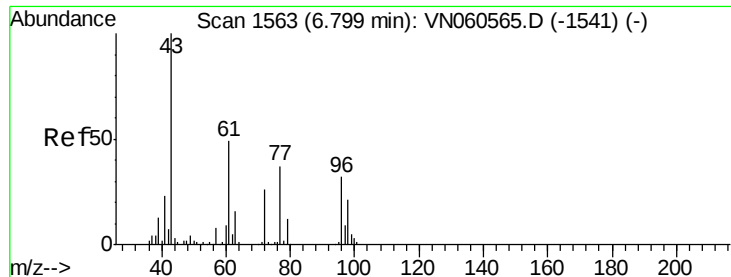
Tgt Ion: 77 Resp: 69727

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.1





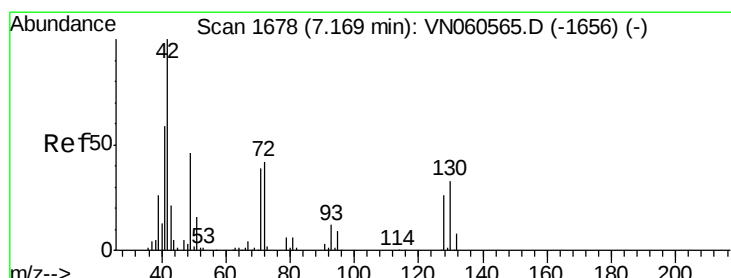
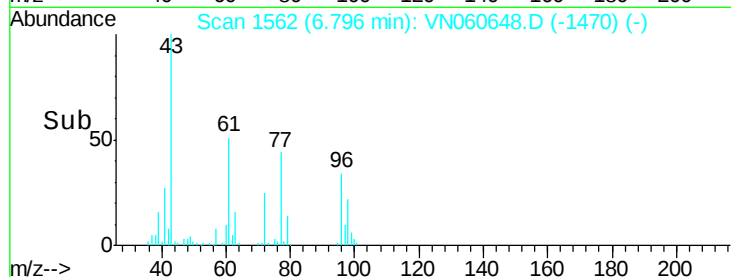
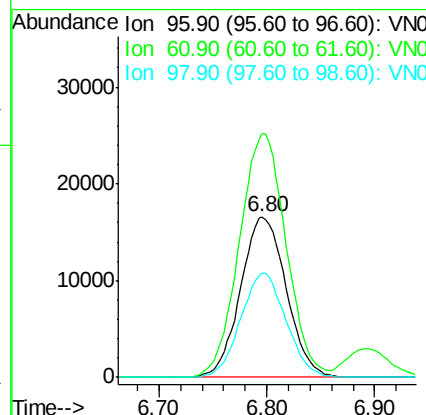
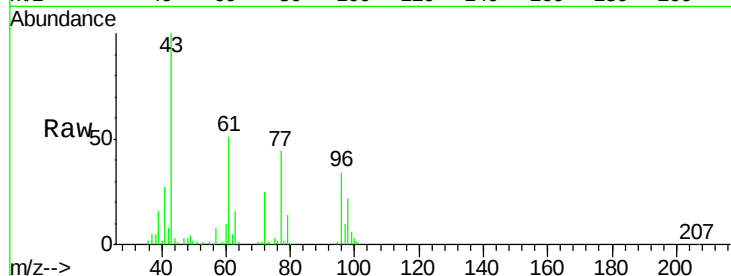
#27
 cis-1,2-Dichloroethene
 Concen: 18.99 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion: 96 Resp: 48673
 Ion Ratio Lower Upper
 96 100
 61 155.4 0.0 305.6
 98 64.0 0.0 127.6

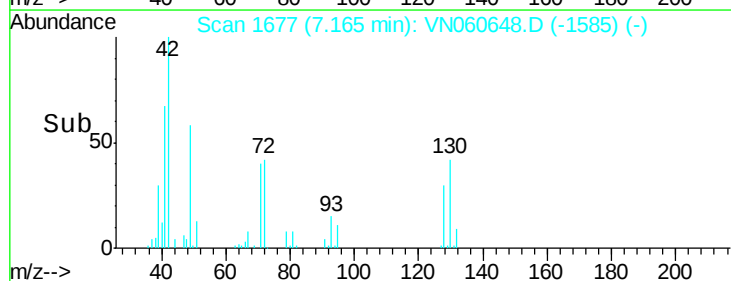
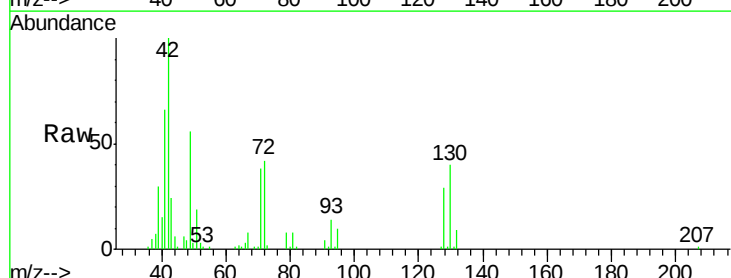
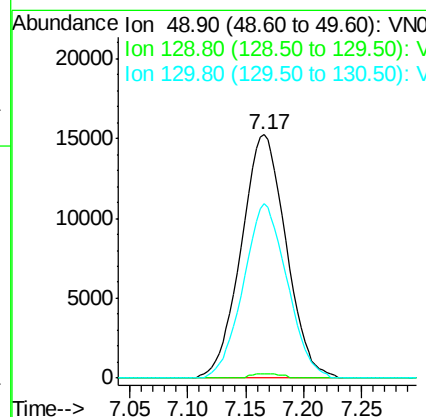
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#28
 Bromochloromethane
 Concen: 20.03 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion: 49 Resp: 41076
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.4
 130 69.7 55.0 82.4





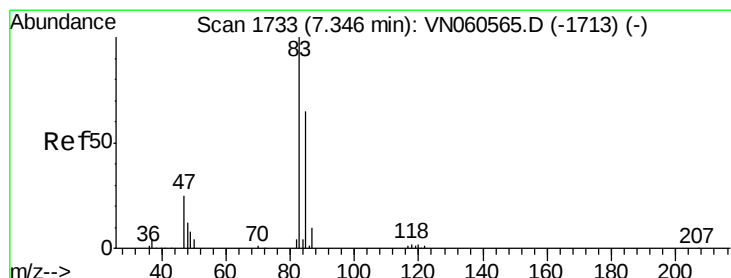
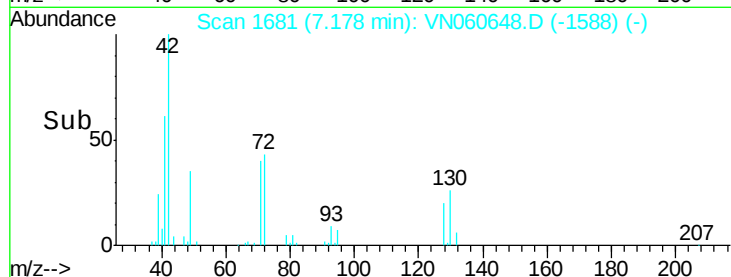
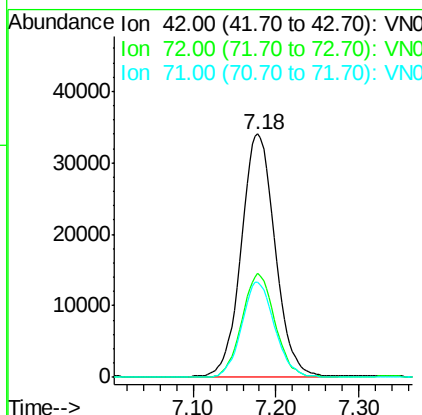
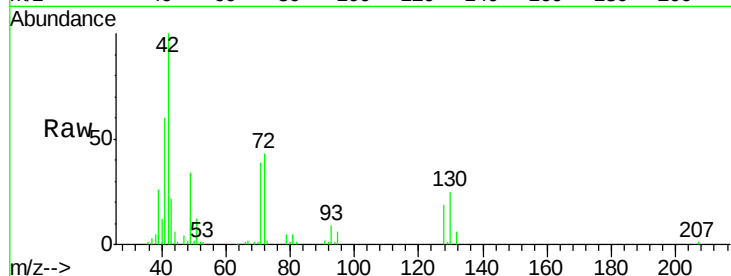
#29
Tetrahydrofuran
Concen: 89.25 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.2	49.8
71	37.8	31.1	46.7

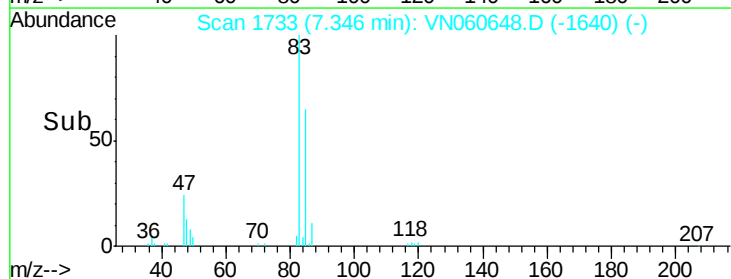
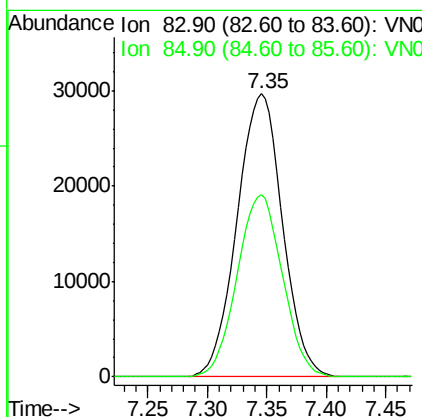
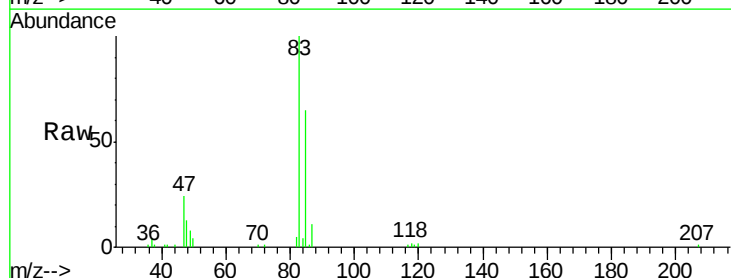
Manual Integrations
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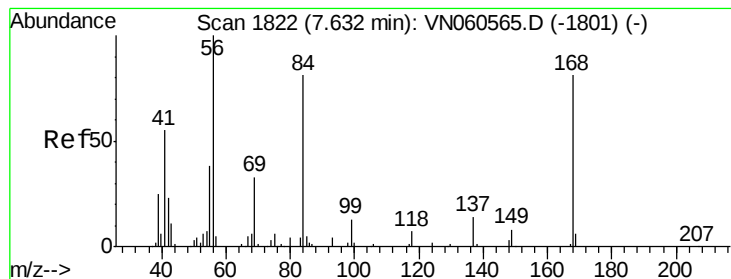
MMDadoda
3/23/2020 2:42:13 PM



#30
Chloroform
Concen: 19.11 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 18.46 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 56 Resp: 79773

Ion Ratio Lower Upper

56 100

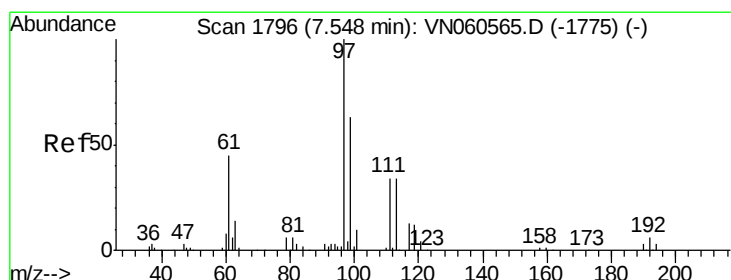
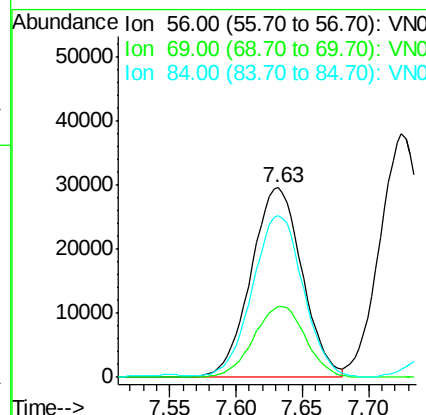
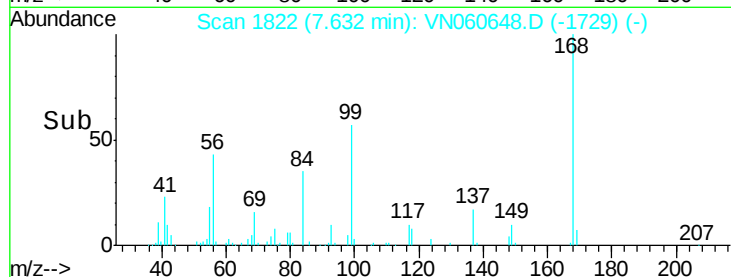
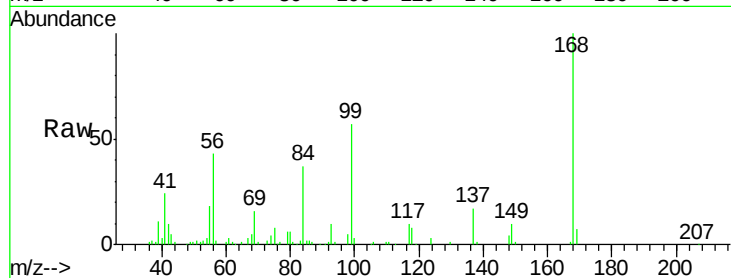
69 37.2 26.6 40.0

84 84.2 64.3 96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.85 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

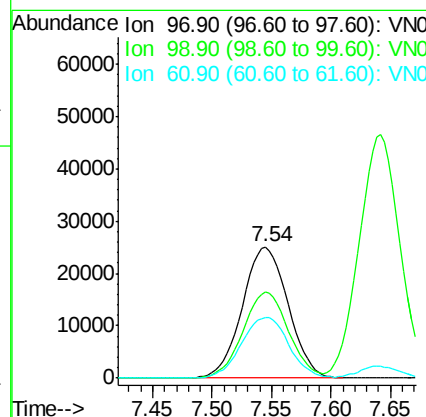
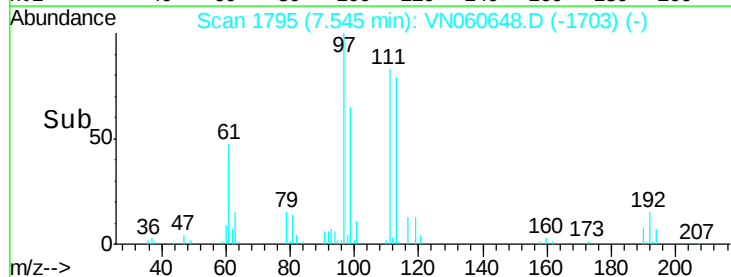
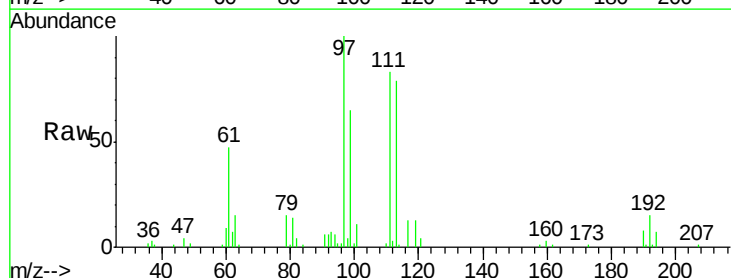
Tgt Ion: 97 Resp: 66798

Ion Ratio Lower Upper

97 100

99 65.2 50.6 75.8

61 48.0 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 48.41 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 65 Resp: 129912

Ion Ratio Lower Upper

65 100

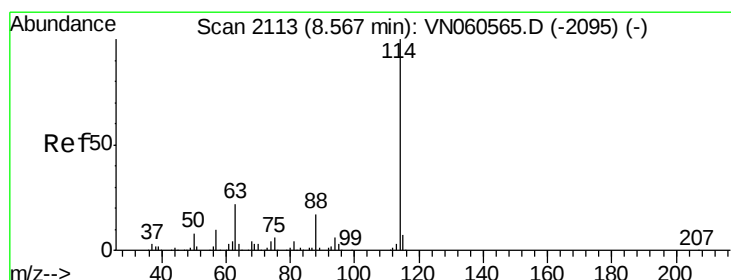
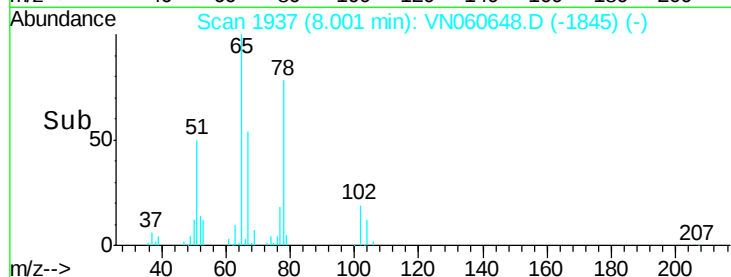
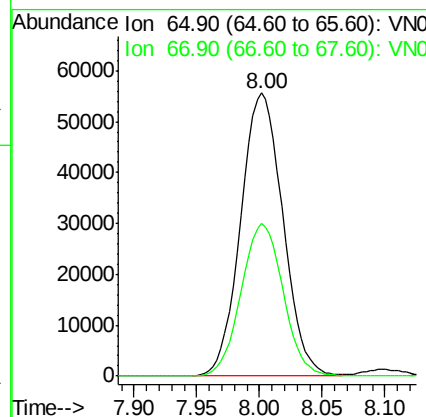
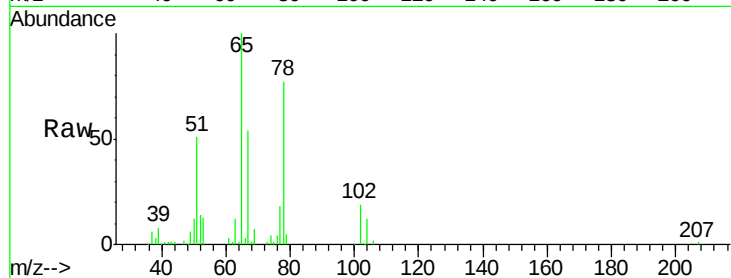
67 53.6 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

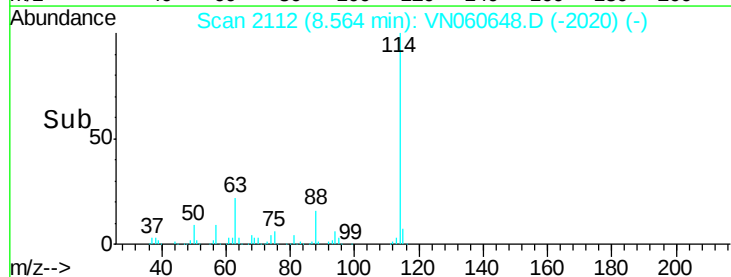
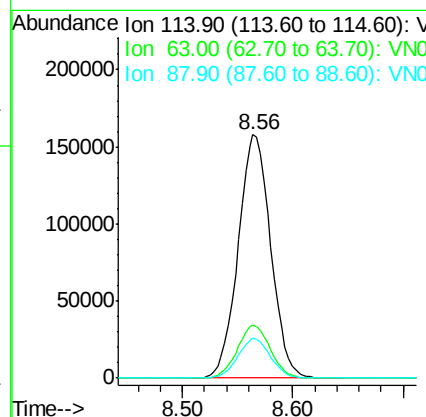
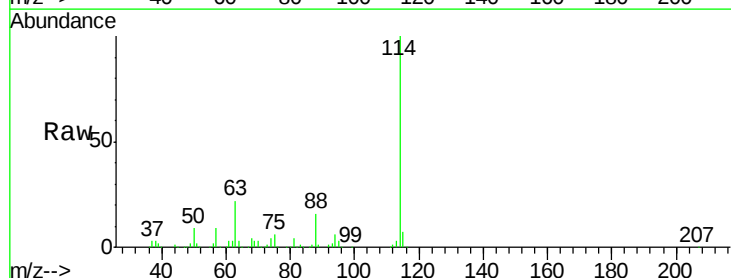
Tgt Ion: 114 Resp: 321744

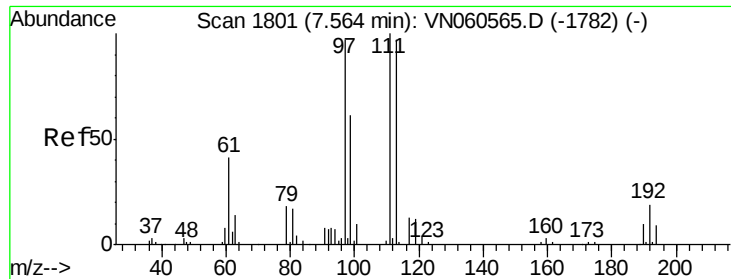
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 16.3 0.0 33.0





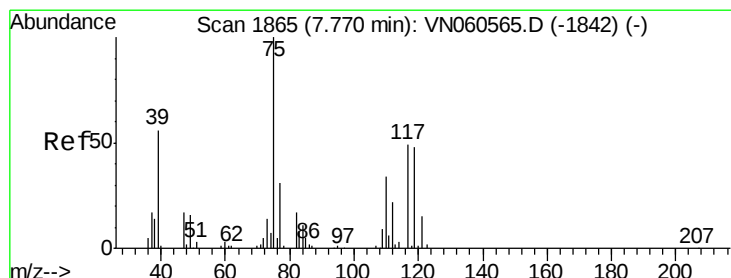
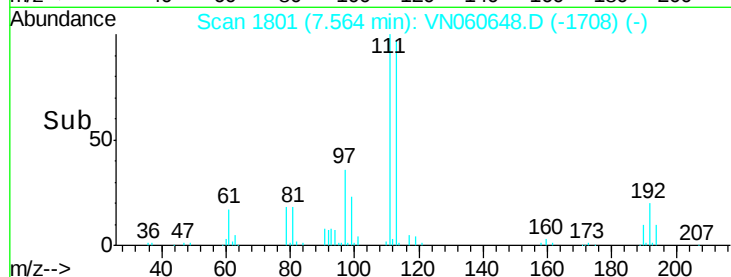
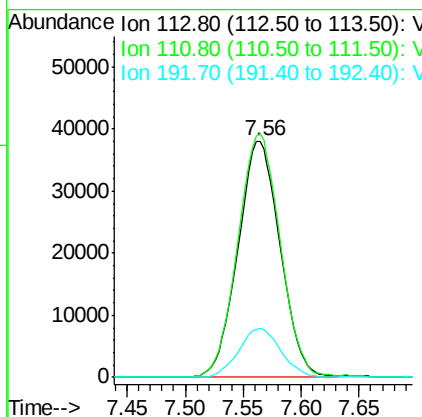
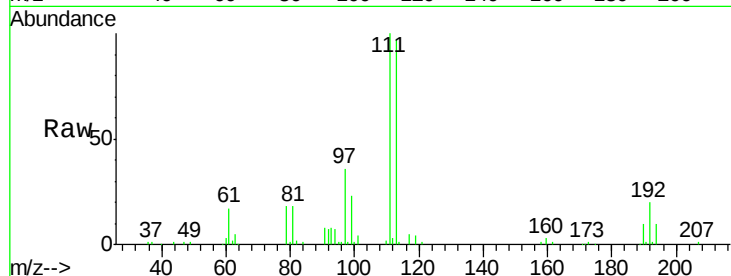
#35
Dibromofluoromethane
Concen: 49.41 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	96136		
111	103.7	82.9	124.3	
192	20.6	15.8	23.8	

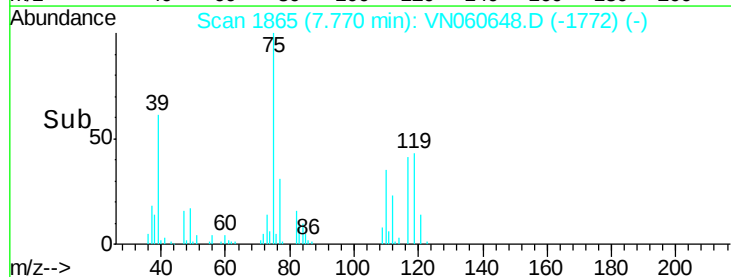
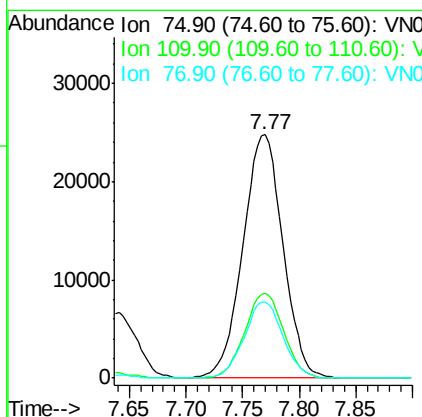
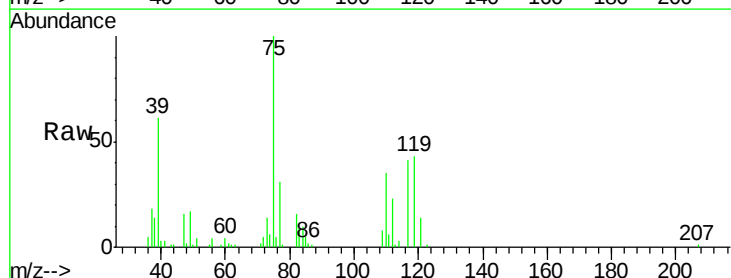
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 19.61 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61093		
110	33.8	16.9	50.6	
77	30.3	24.6	36.8	





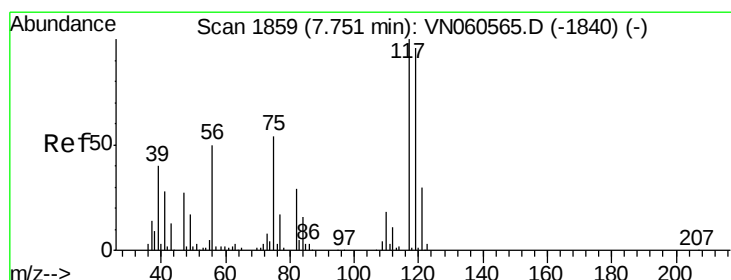
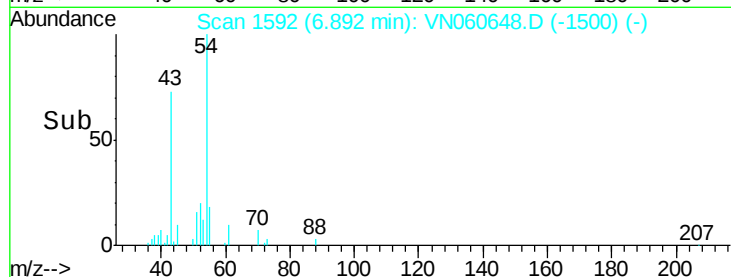
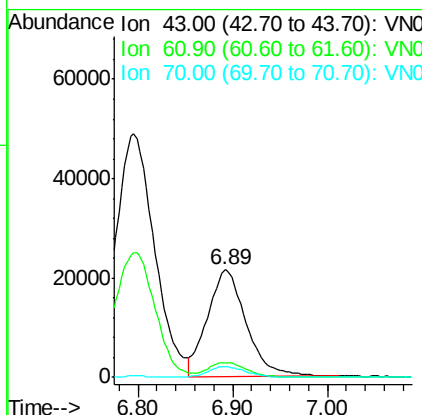
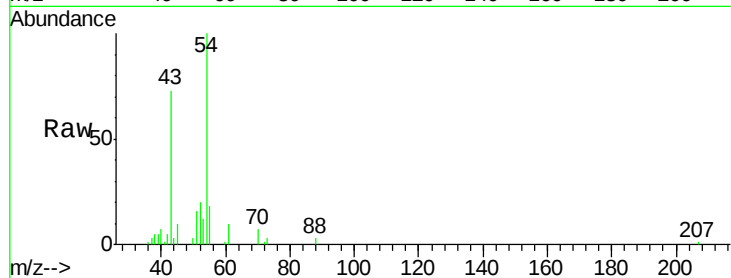
#37
Ethyl Acetate
 Concen: 18.14 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.7	7.9	11.9

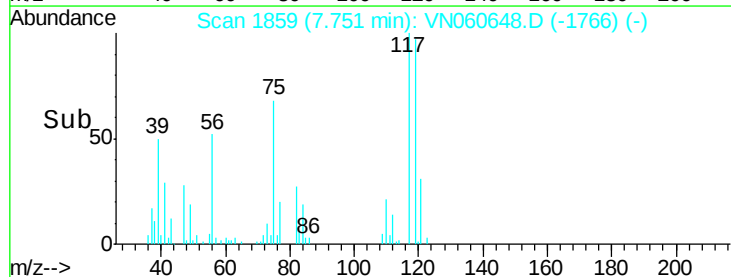
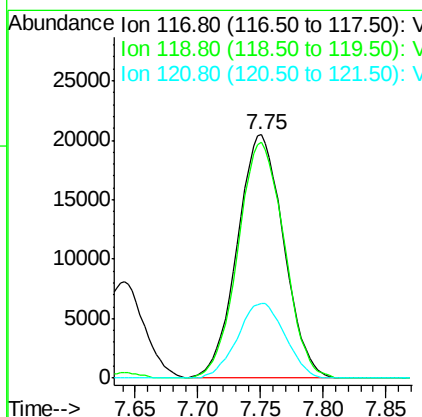
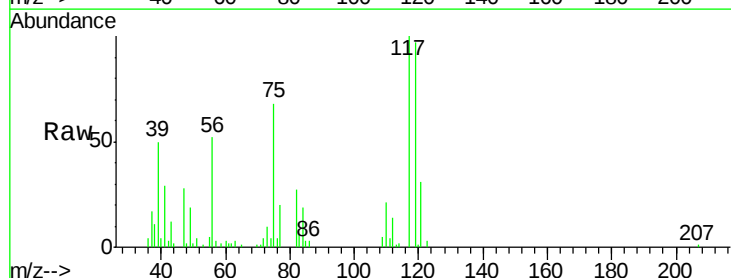
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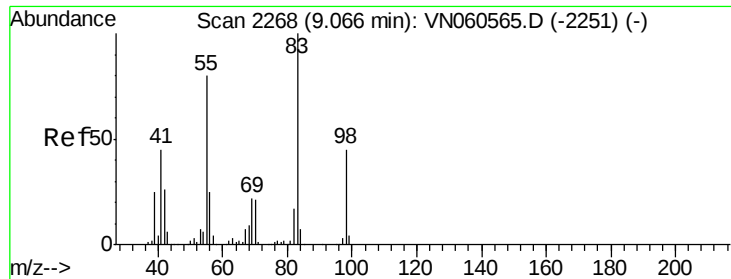
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#38
Carbon Tetrachloride
 Concen: 18.85 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.2	114.2
121	30.5	23.7	35.5





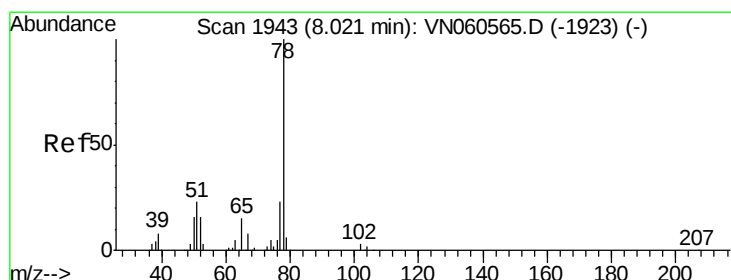
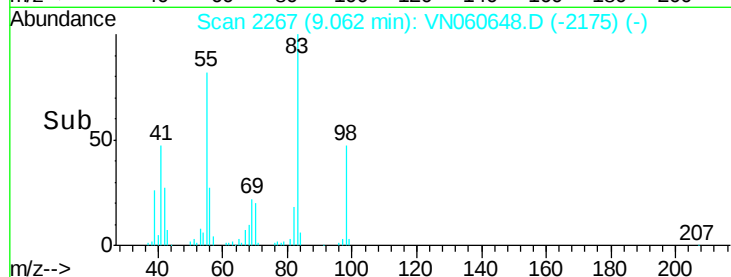
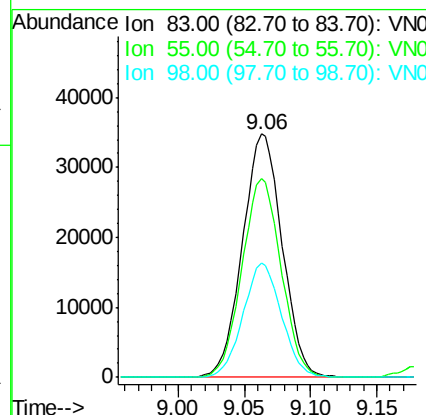
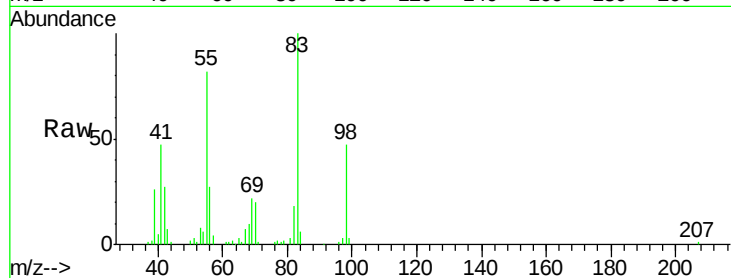
#39
Methylcyclohexane
Concen: 19.56 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.6	95.4
98	46.9	36.0	54.0

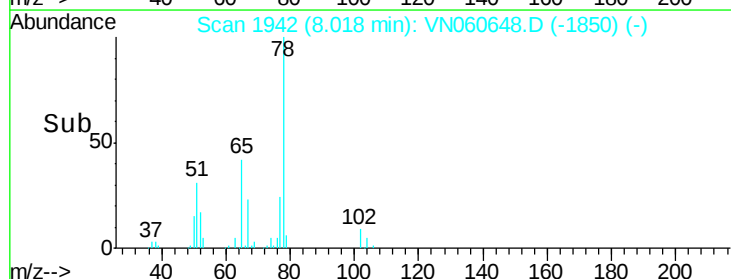
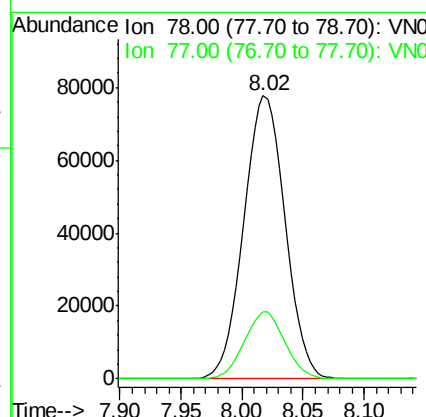
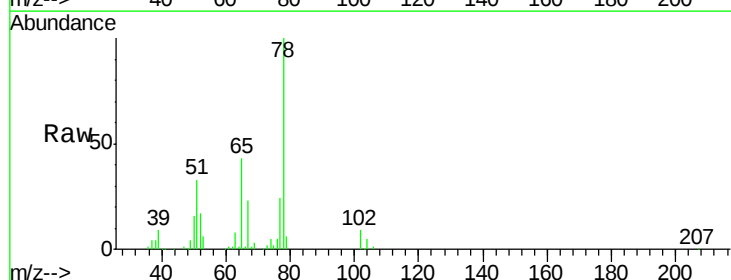
Manual Integrations
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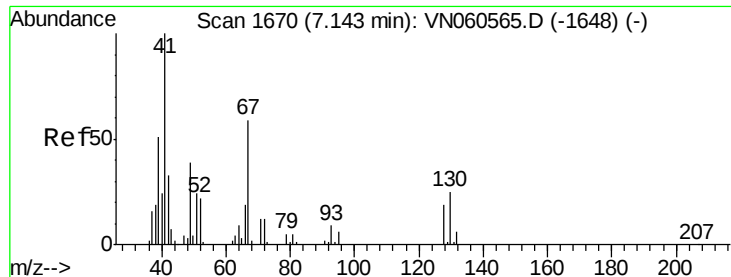
MMDadoda
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#40
Benzene
Concen: 19.39 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





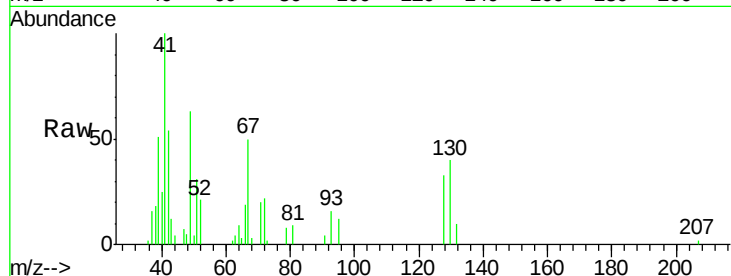
#41
Methacrylonitrile
Concen: 18.92 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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3/23/2020 2:42:13 PM

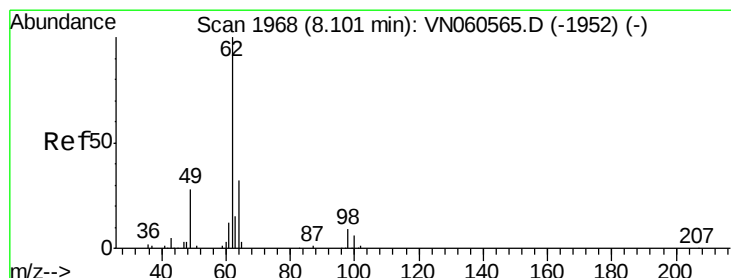
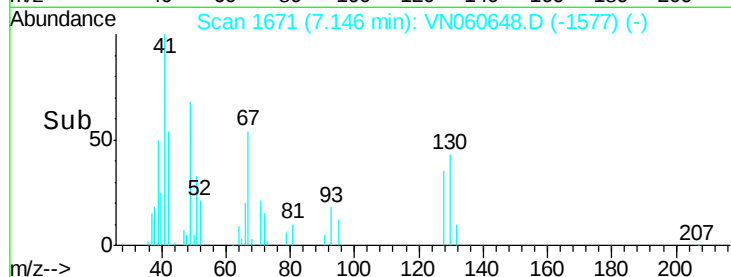
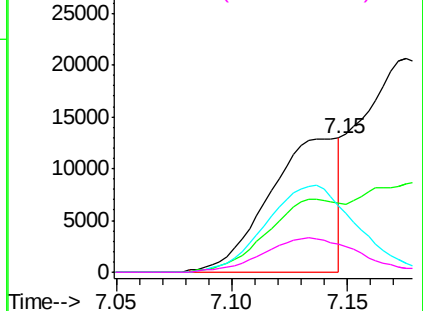


Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-1648) (-)

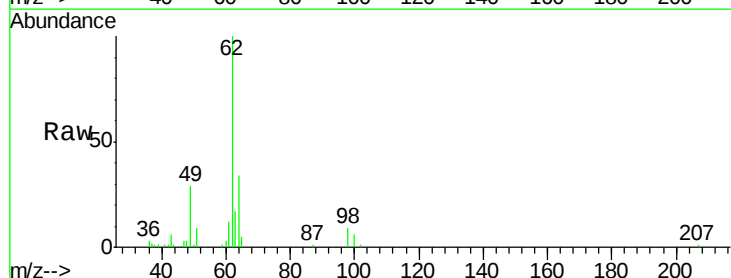
Ion 67.00 (66.70 to 67.70): VN060565.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-1648) (-)



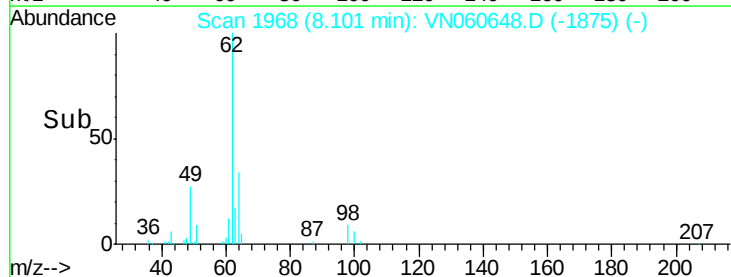
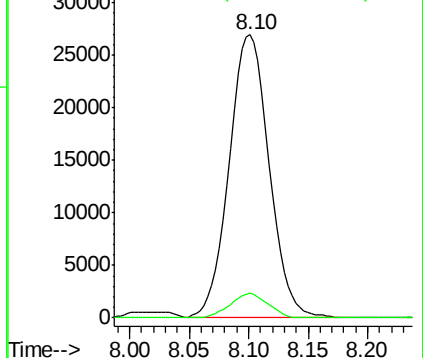
#42
1,2-Dichloroethane
Concen: 19.53 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

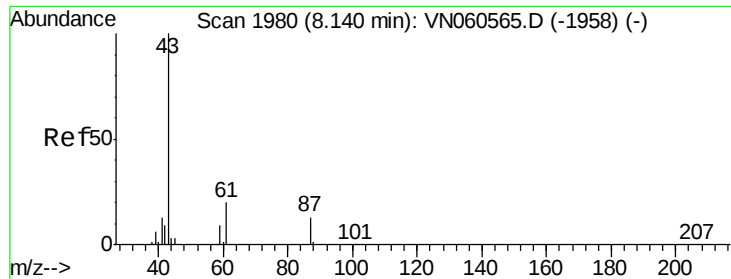
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060565.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1952) (-)





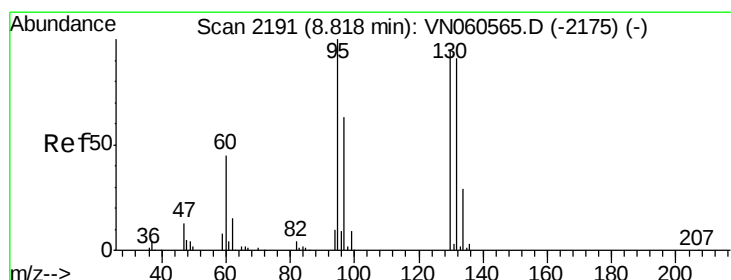
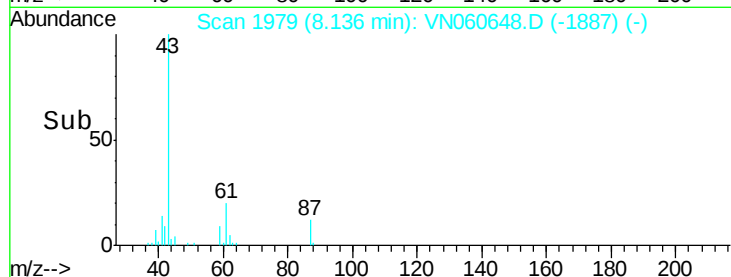
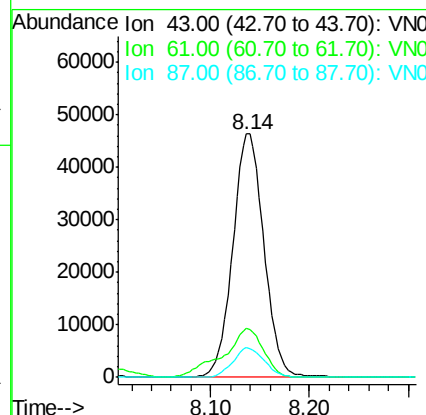
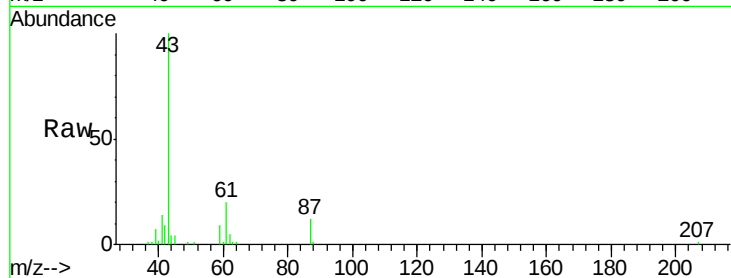
#43
Isopropyl Acetate
Concen: 18.36 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	12.1	9.8	14.8

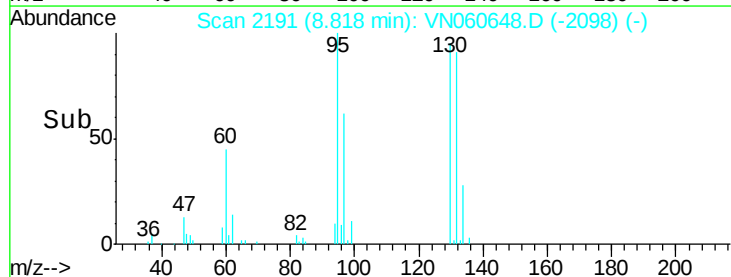
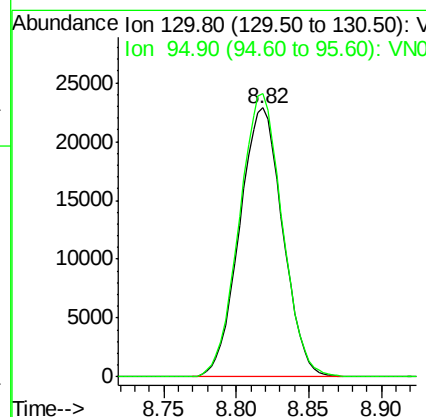
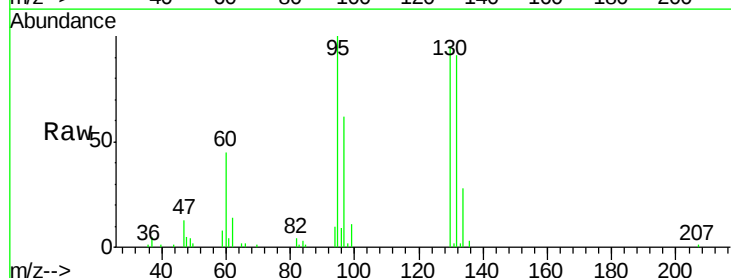
Manual Integrations
APPROVED

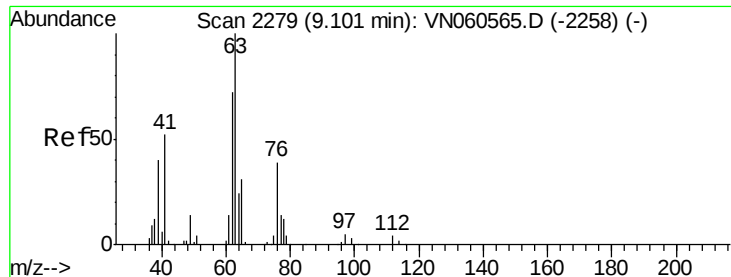
MMDadoda
3/23/2020 2:42:13 PM



#44
Trichloroethene
Concen: 19.95 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	211.2





#45

1,2-Dichloropropane

Concen: 19.84 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VN0320WBS01

Tgt Ion: 63 Resp: 49247

Ion Ratio Lower Upper

63 100

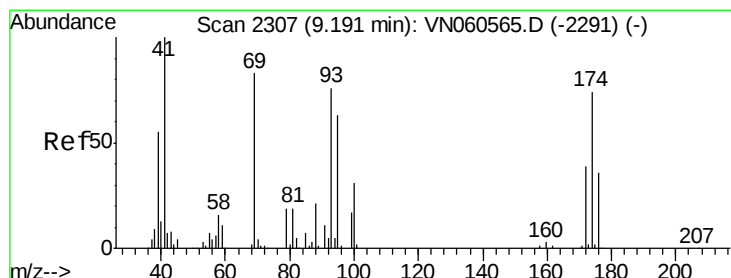
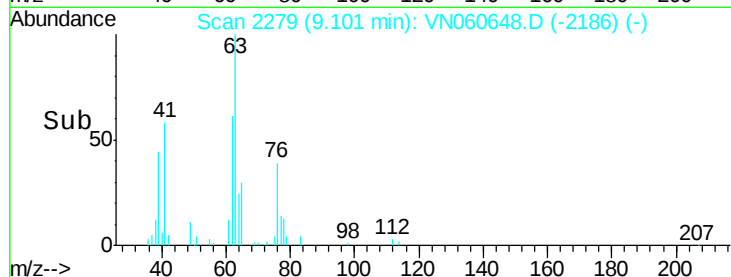
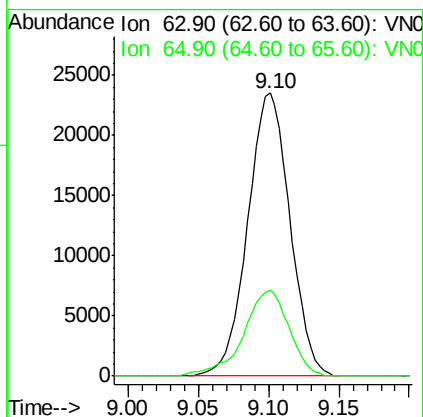
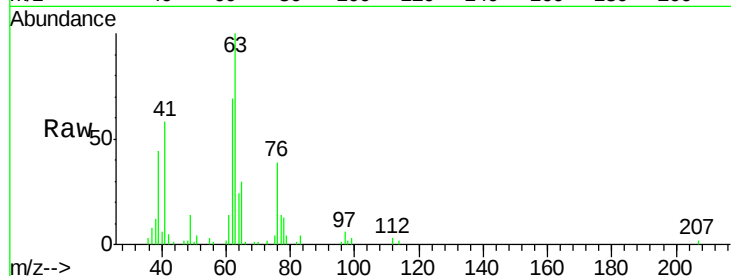
65 30.4 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.48 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

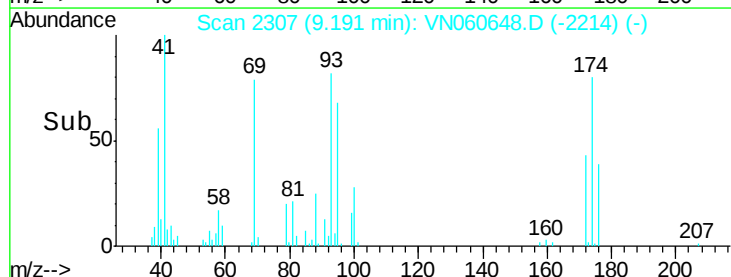
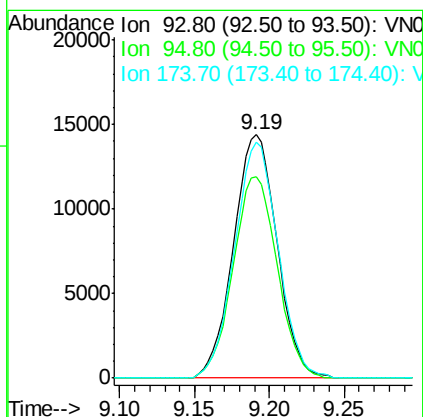
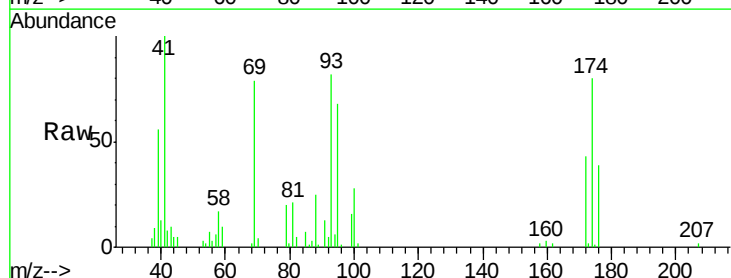
Tgt Ion: 93 Resp: 29228

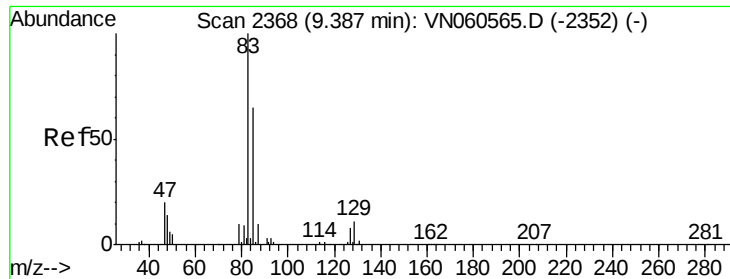
Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.4

174 96.6 77.9 116.9





#47

Bromodichloromethane

Concen: 19.51 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

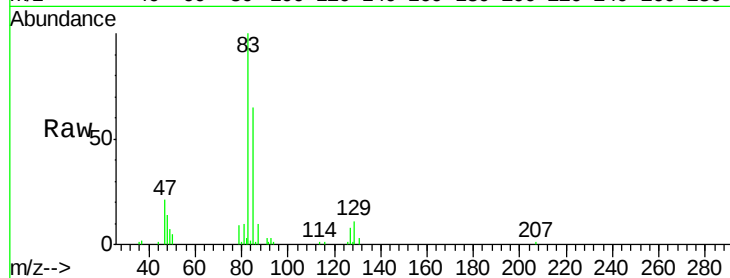
ClientSampleId :

VN0320WBS01

Tgt Ion:	83	Resp:	60819
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
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MMDadoda
3/23/2020 2:42:13 PM

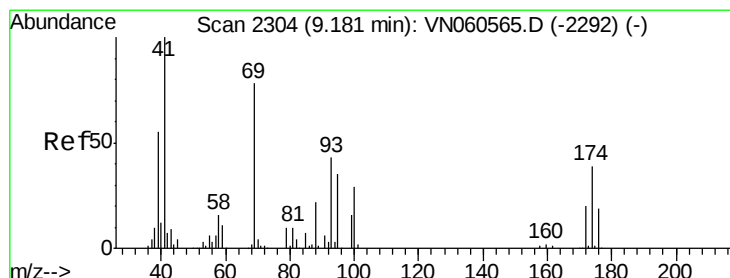
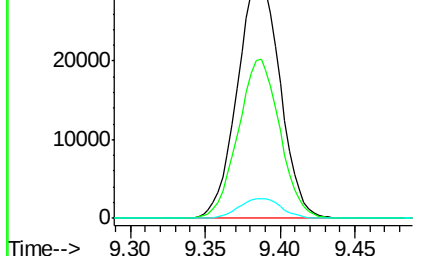
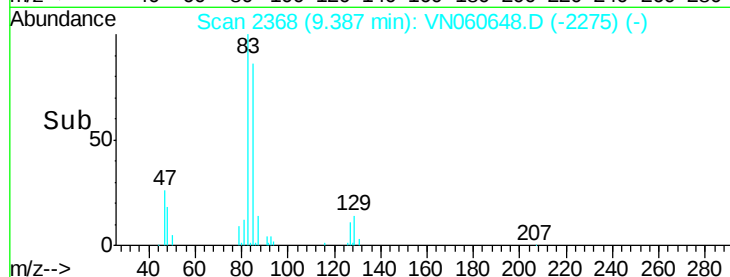


Abundance Ion 82.90 (82.60 to 83.60): VN060648.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060648.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060648.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.49 ug/l

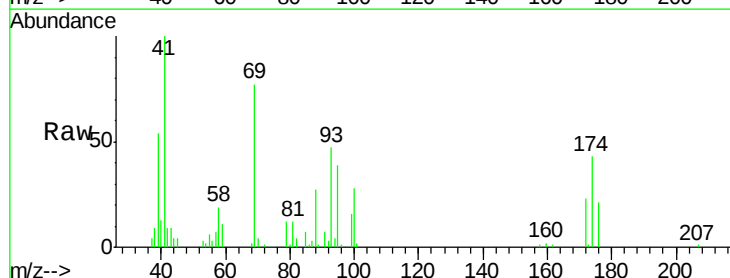
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	41	Resp:	45707
Ion	Ratio	Lower	Upper
41	100		
69	79.6	65.4	98.0
39	58.0	44.0	66.0

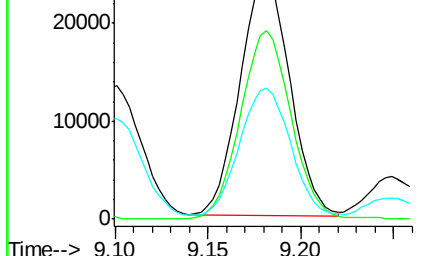
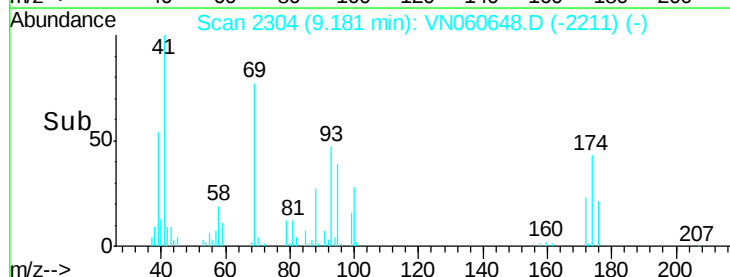


Abundance Ion 41.00 (40.70 to 41.70): VN060648.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060648.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060648.D (-2211) (-)

Time-->





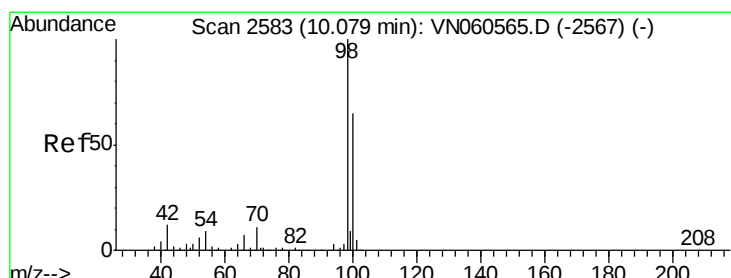
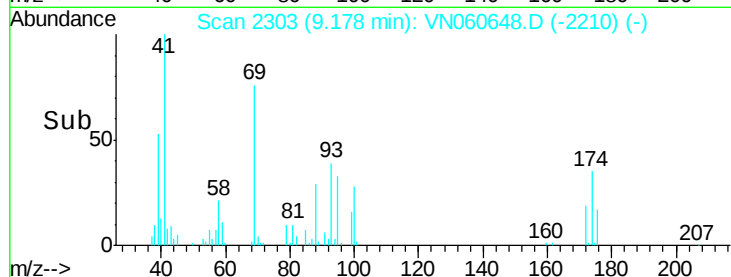
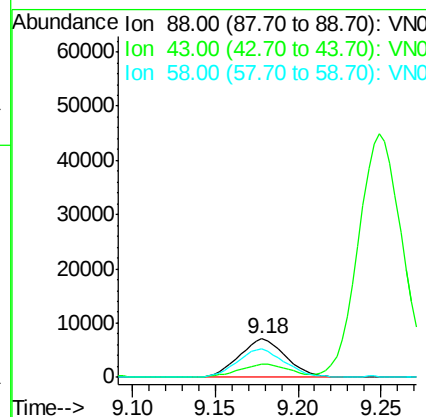
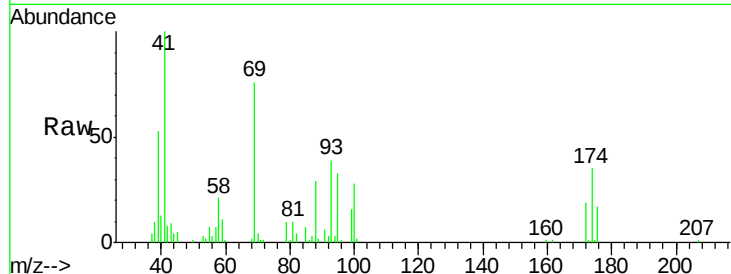
#49
1,4-Dioxane
Concen: 477.46 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.2	30.8	46.2
58	73.6	59.8	89.8

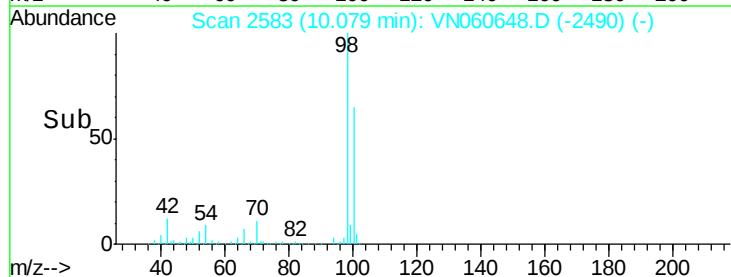
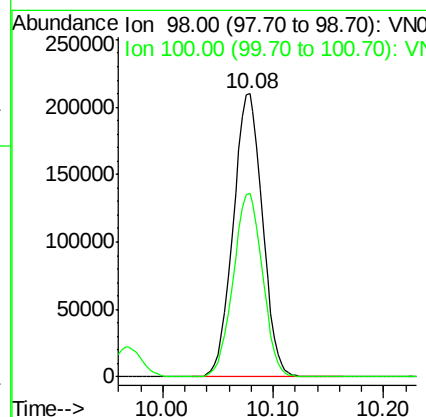
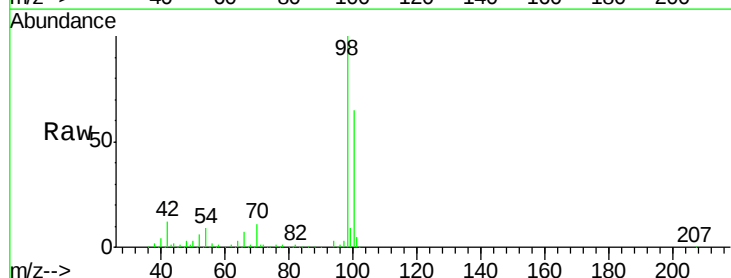
Manual Integrations
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3/23/2020 2:42:13 PM



#50
Toluene-d8
Concen: 48.60 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





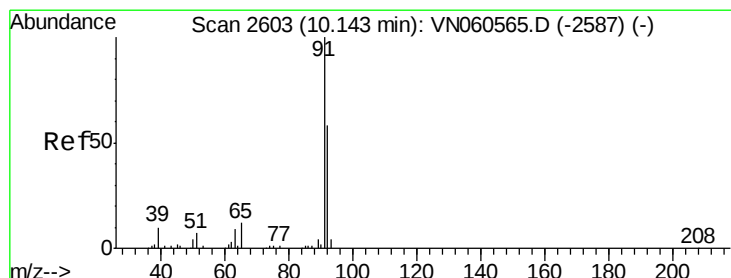
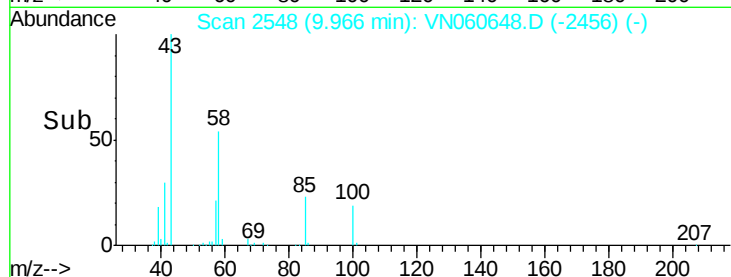
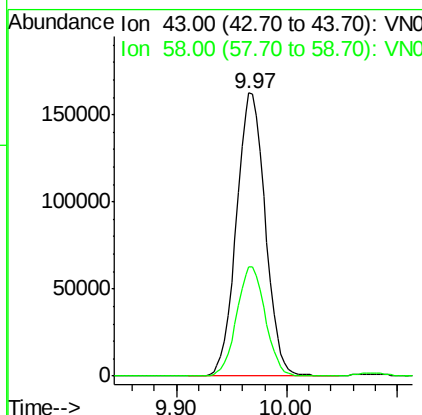
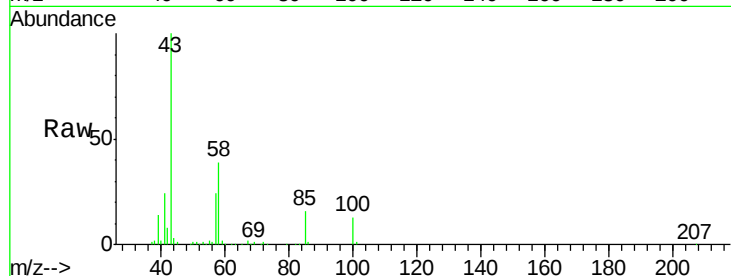
#51
 4-Methyl-2-Pentanone
 Concen: 93.26 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion: 43 Resp: 294637
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2

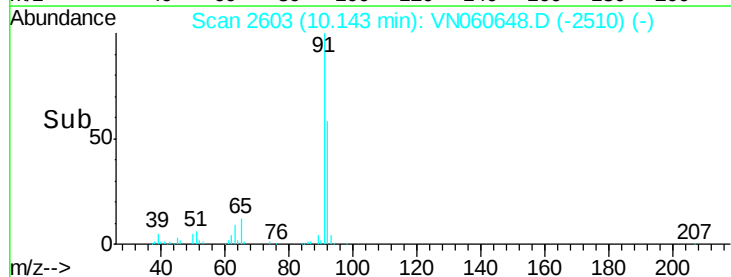
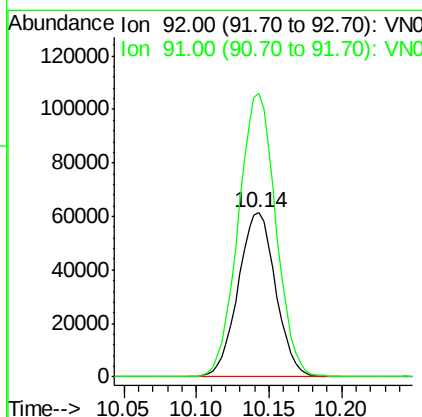
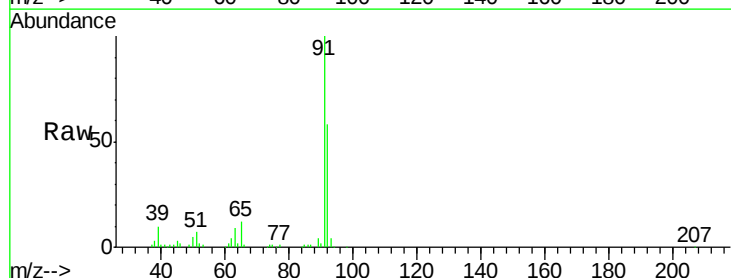
Manual Integrations
 APPROVED

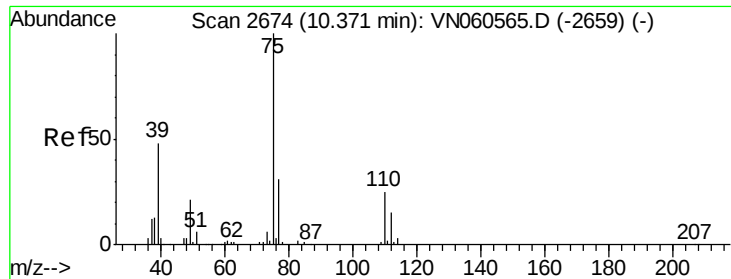
MMDadoda
 3/23/2020 2:42:13 PM



#52
 Toluene
 Concen: 19.47 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion: 92 Resp: 110608
 Ion Ratio Lower Upper
 92 100
 91 173.1 137.6 206.4





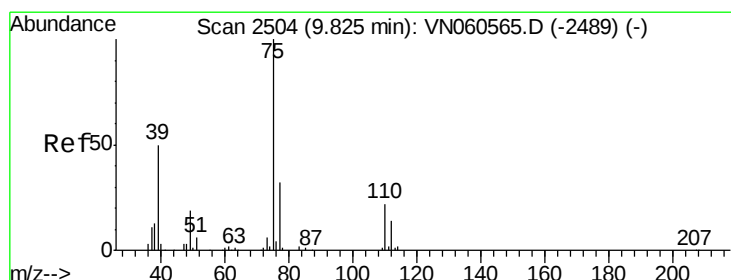
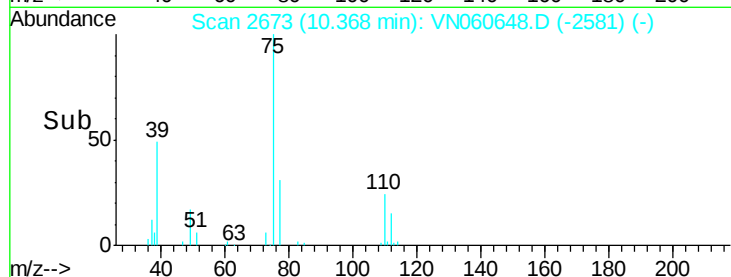
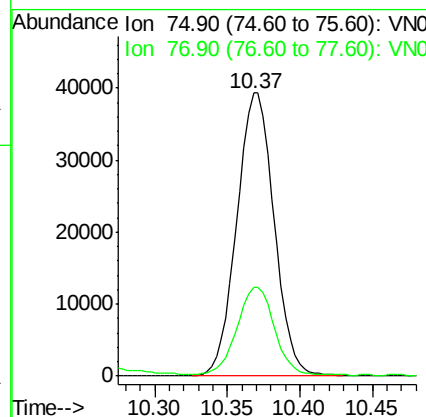
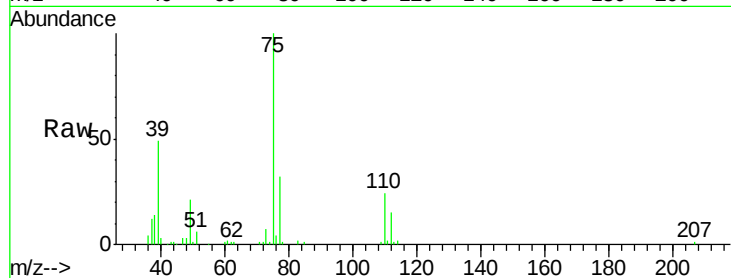
#53
t-1,3-Dichloropropene
Concen: 19.65 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion: 75 Resp: 70372
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

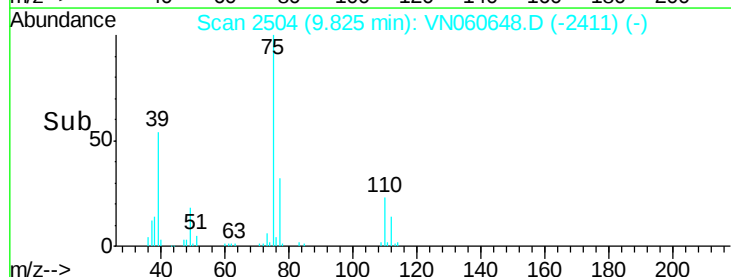
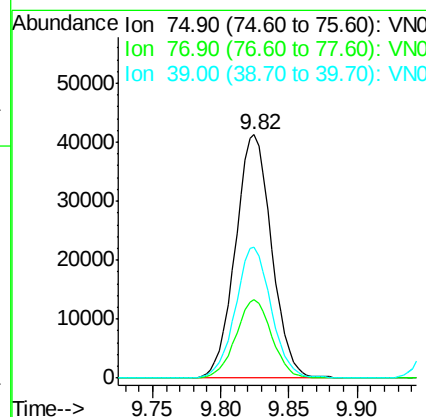
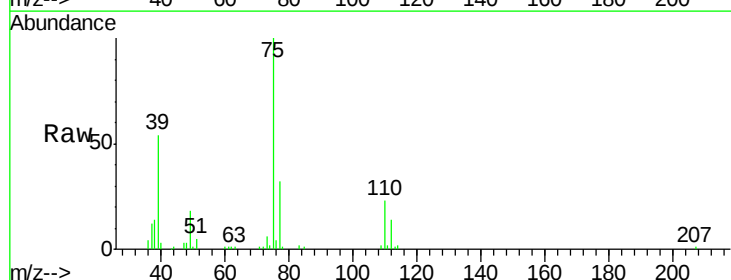
Manual Integrations
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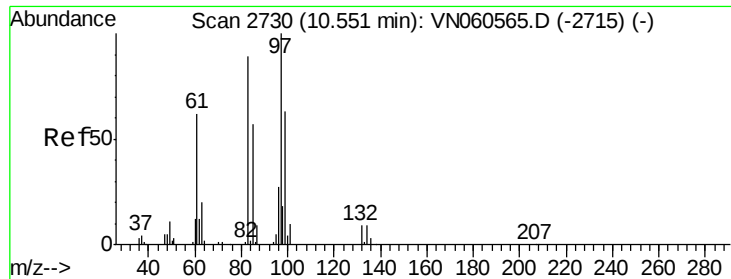
MMDadoda
3/23/2020 2:42:13 PM



#54
cis-1,3-Dichloropropene
Concen: 19.34 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion: 75 Resp: 75983
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
39 53.9 40.2 60.4





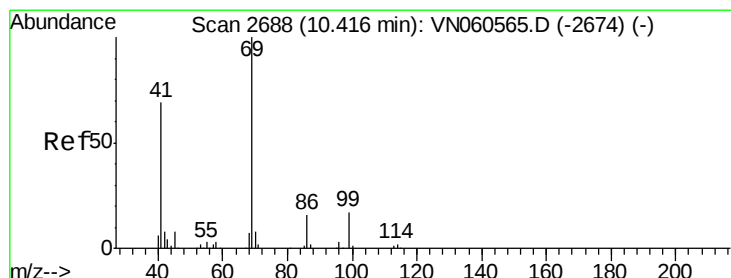
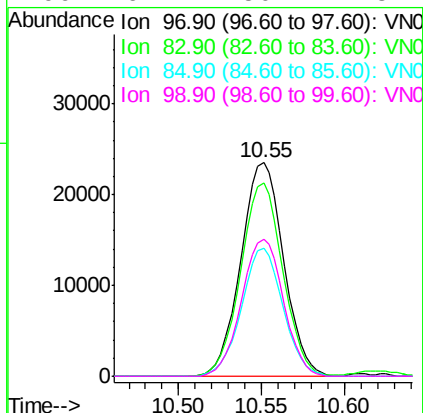
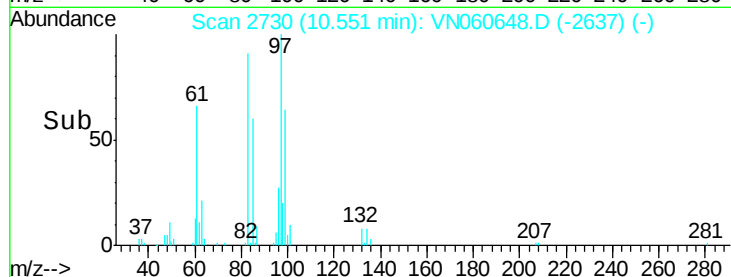
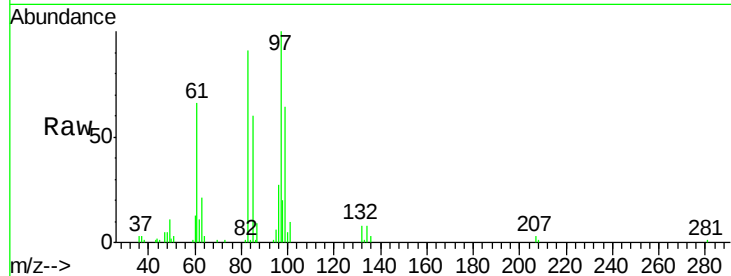
#55
 1,1,2-Trichloroethane
 Concen: 19.27 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	71.3	106.9
85	59.7	45.2	67.8
99	64.2	50.1	75.1

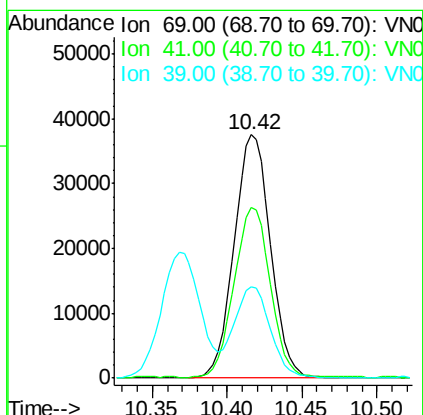
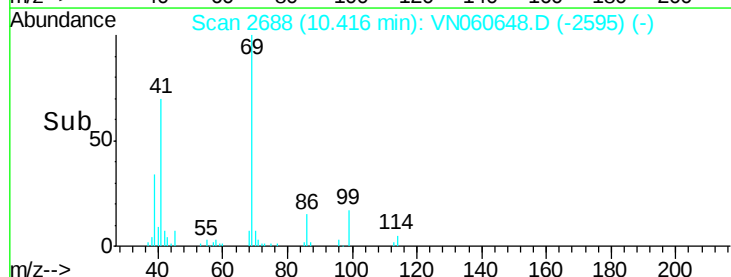
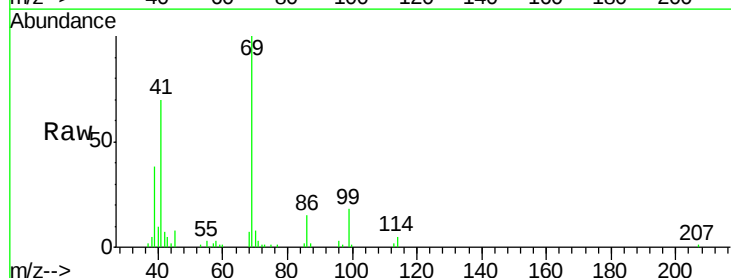
Manual Integrations
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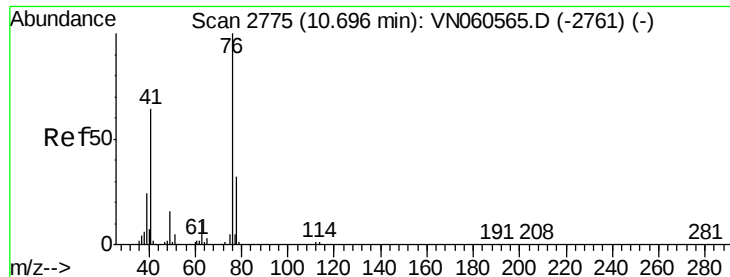
MMDadoda
 3/23/2020 2:42:13 PM



#56
 Ethyl methacrylate
 Concen: 18.64 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.4	83.2
39	38.0	29.4	44.0





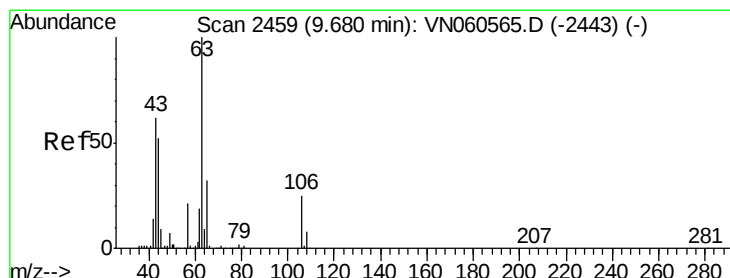
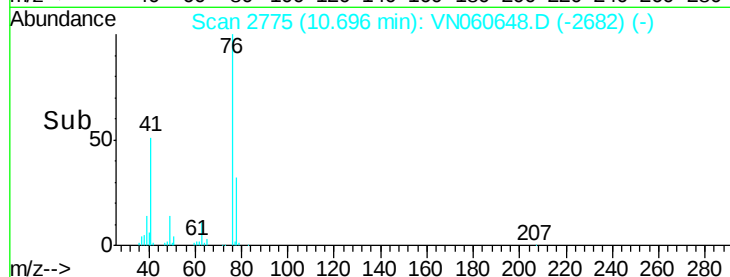
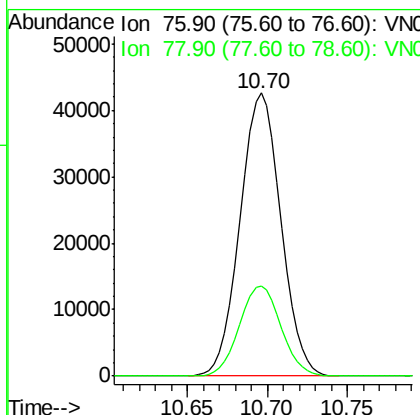
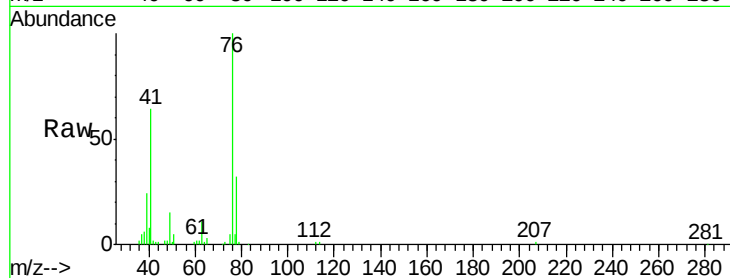
#57
 1,3-Dichloropropane
 Concen: 19.54 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion: 76 Resp: 74109
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

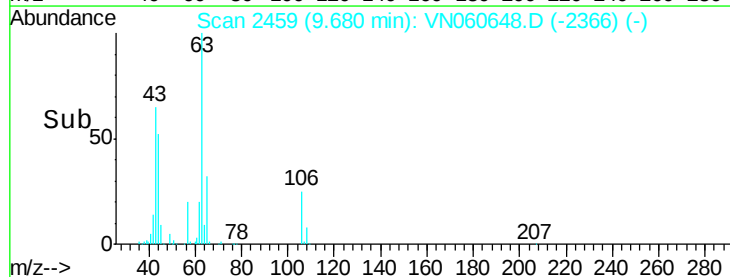
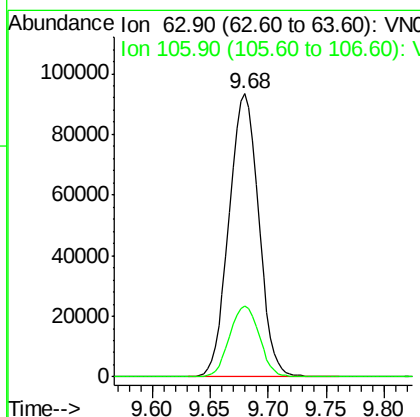
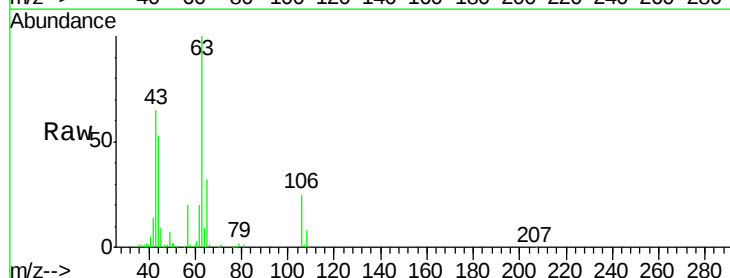
Manual Integrations
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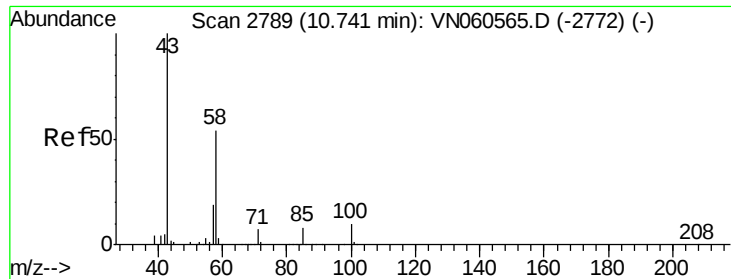
MMDadoda
 3/23/2020 2:42:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.78 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion: 63 Resp: 165584
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.0 30.0





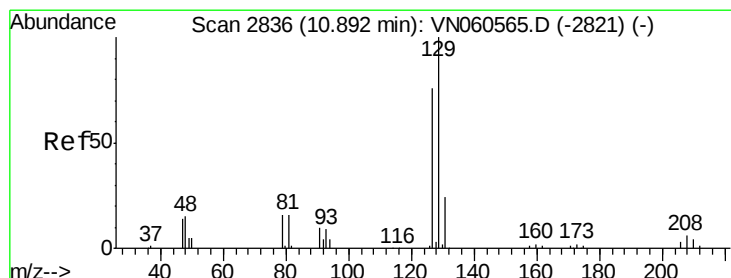
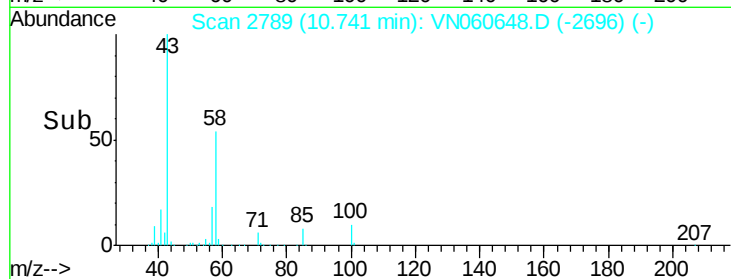
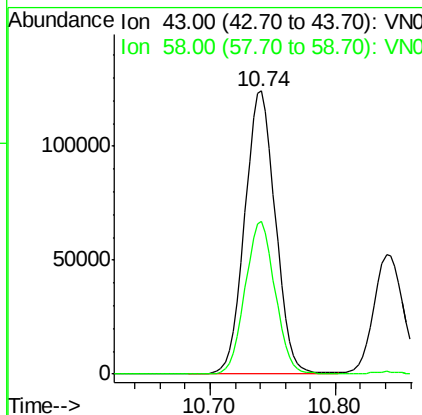
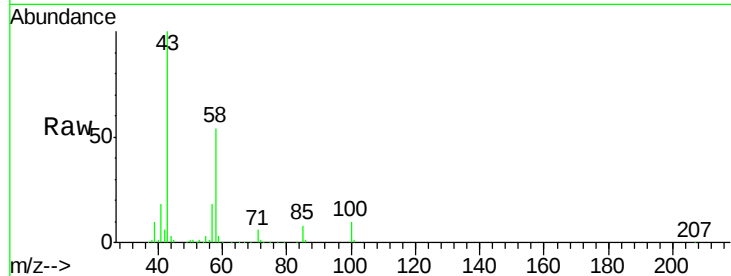
#59
2-Hexanone
Concen: 93.09 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion: 43 Resp: 211845
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1

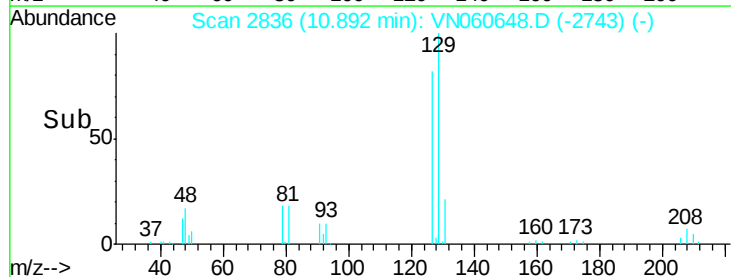
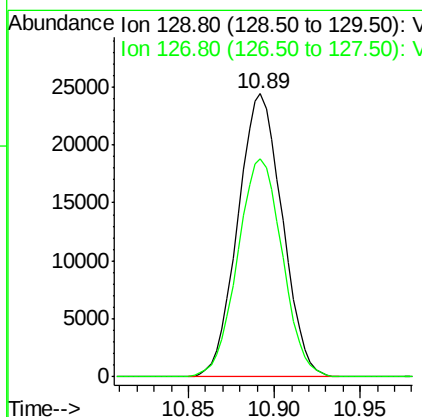
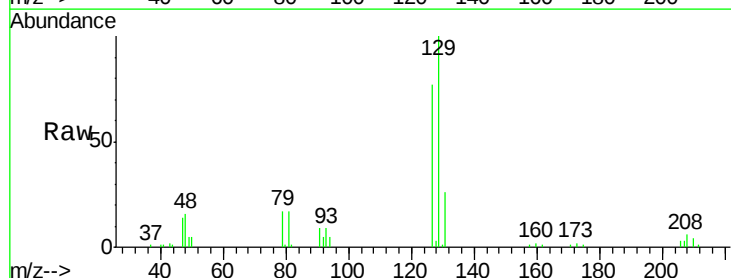
Manual Integrations
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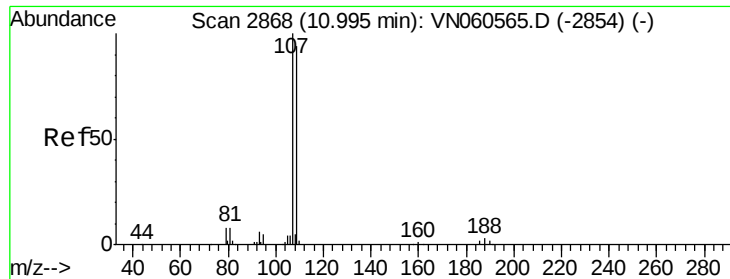
MMDadoda
3/23/2020 2:42:13 PM



#60
Dibromochloromethane
Concen: 19.36 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion: 129 Resp: 43688
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





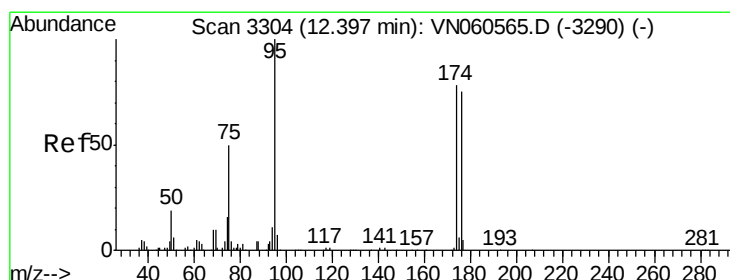
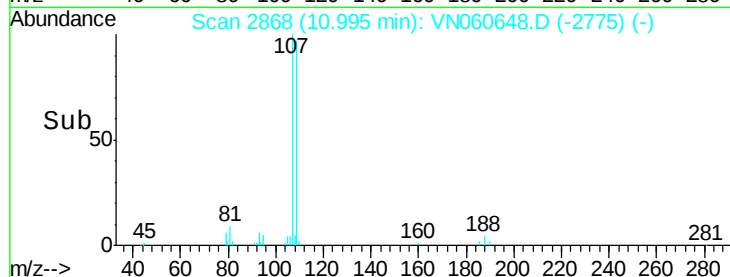
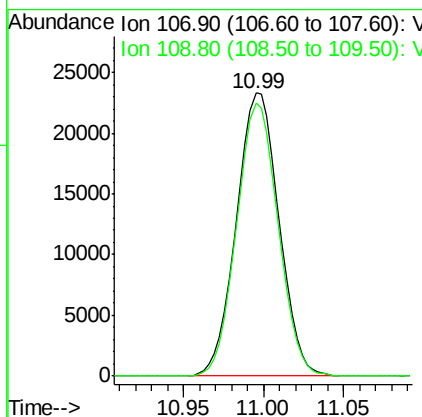
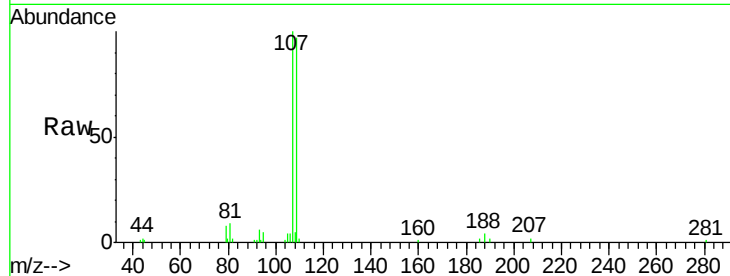
#61
 1,2-Dibromoethane
 Concen: 19.22 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion: 107 Resp: 42233
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2

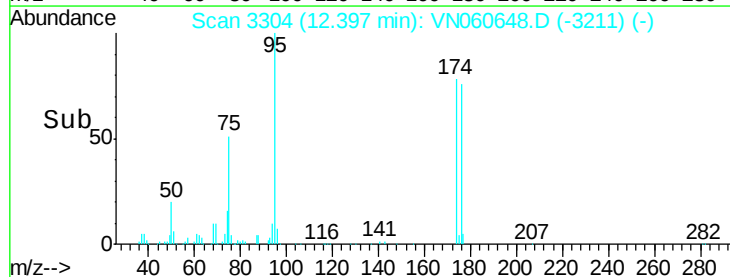
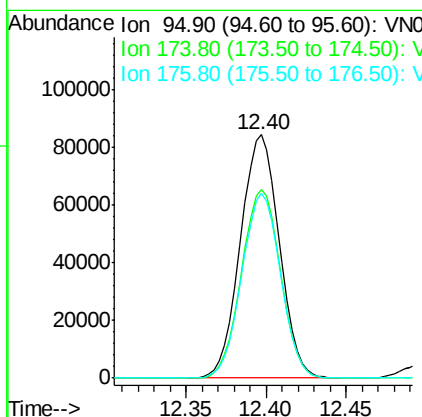
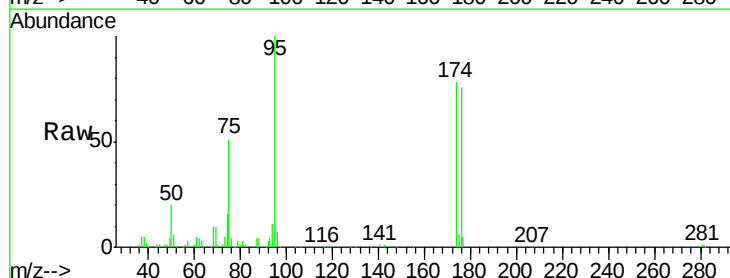
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.18 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion: 95 Resp: 140309
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.6
 176 75.6 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: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

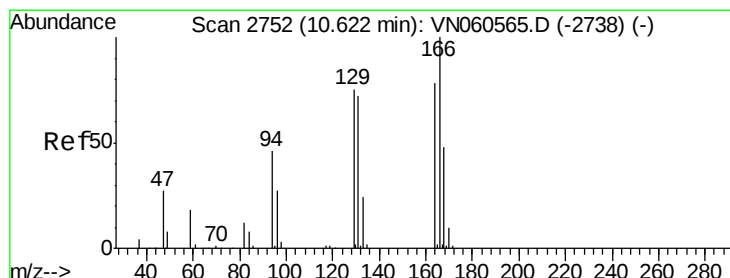
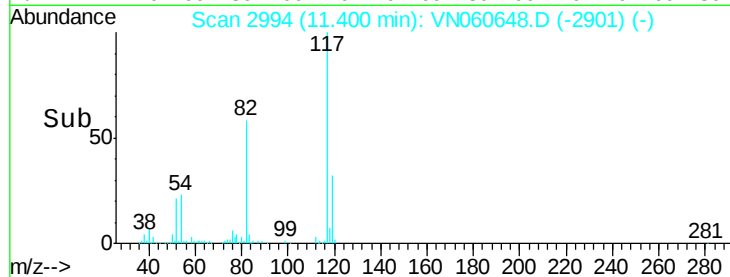
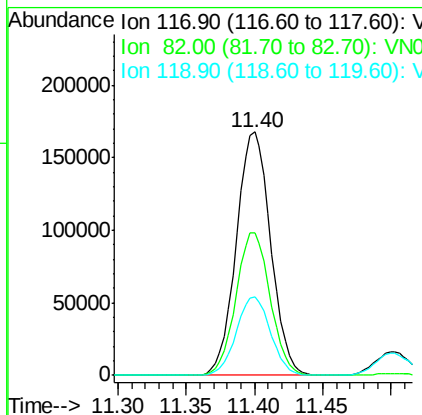
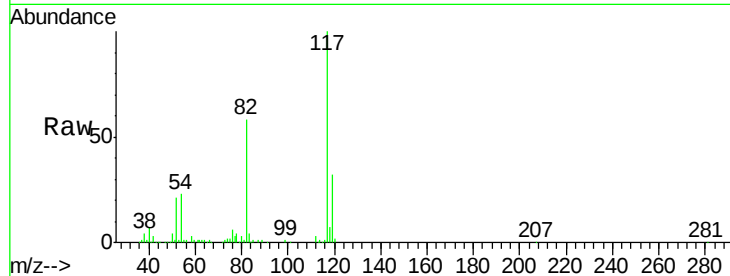
ClientSampleId :

VN0320WBS01

Tgt Ion:	117	Resp:	293140
Ion Ratio	Lower	Upper	
117	100		
82	58.5	46.7	70.1
119	32.1	25.5	38.3

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#64

Tetrachloroethene

Concen: 20.10 ug/l

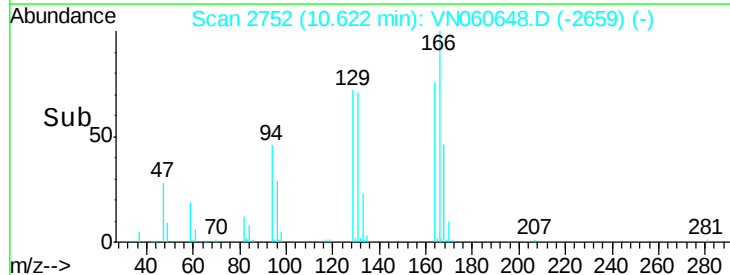
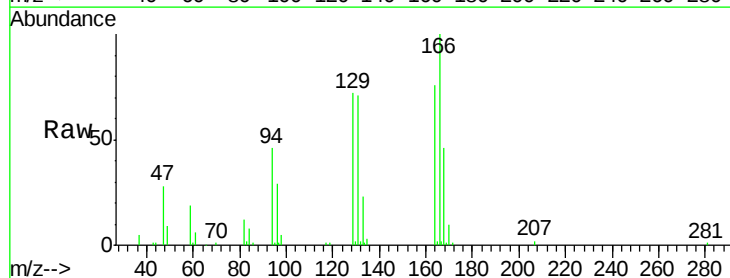
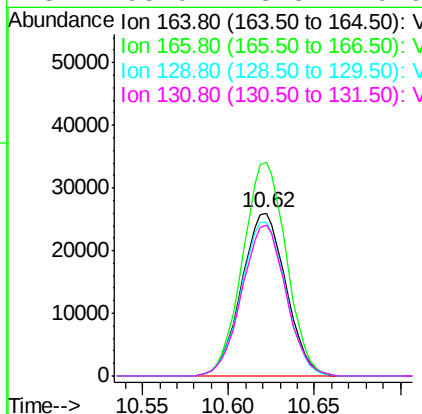
RT: 10.62 min Scan# 2752

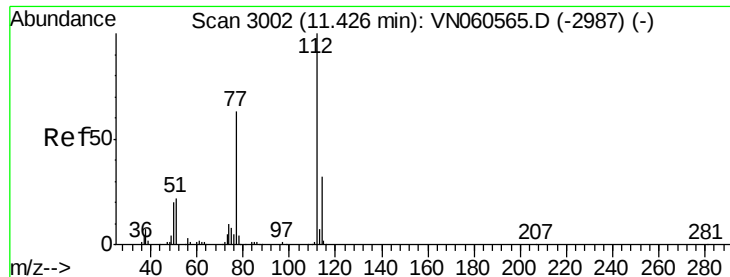
Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	164	Resp:	46365
Ion Ratio	Lower	Upper	
164	100		
166	131.1	102.7	154.1
129	94.0	77.2	115.8
131	93.0	73.8	110.6





#65

Chlorobenzene

Concen: 19.42 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion:112 Resp: 112879

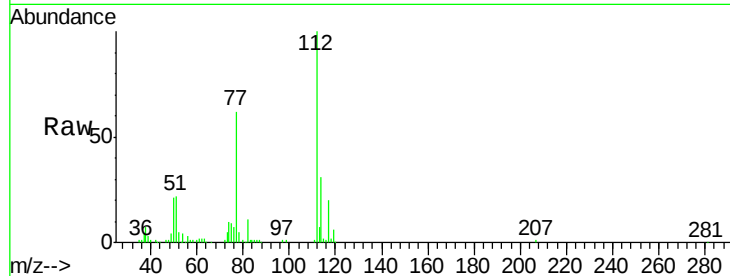
Ion Ratio Lower Upper

112 100

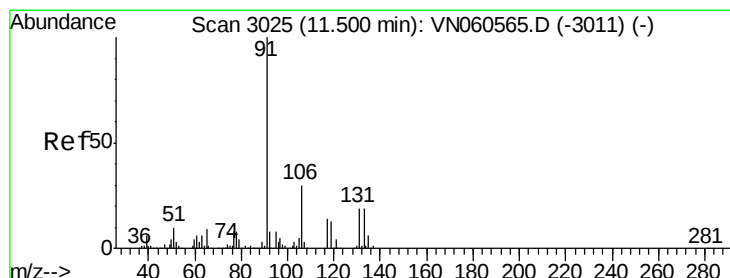
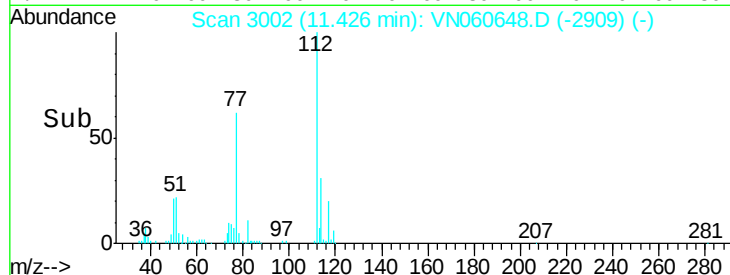
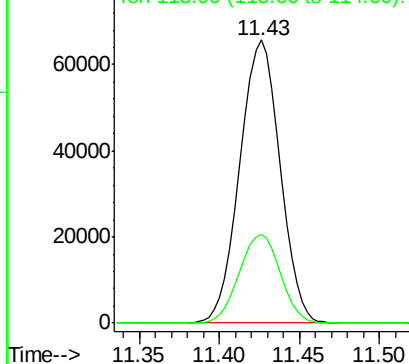
114 31.3 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.43 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

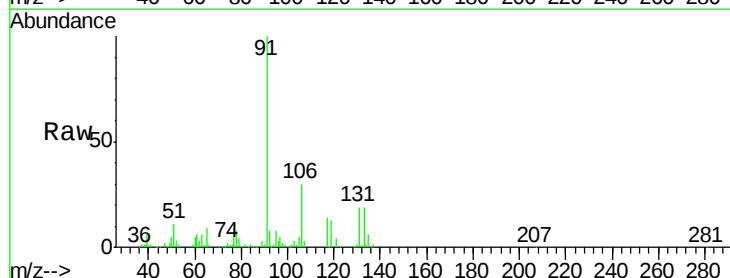
Tgt Ion:131 Resp: 40873

Ion Ratio Lower Upper

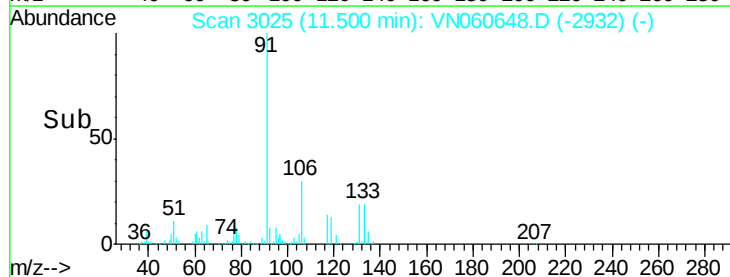
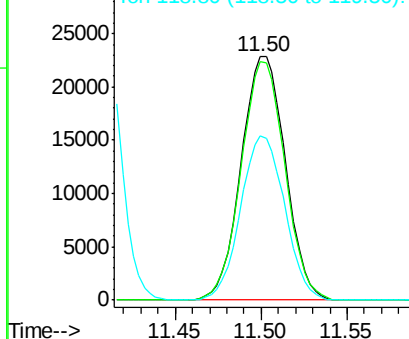
131 100

133 96.7 48.9 146.8

119 66.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.51 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VN0320WBS01

Tgt Ion: 91 Resp: 210834

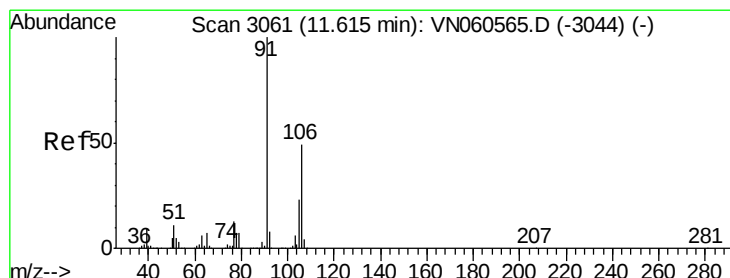
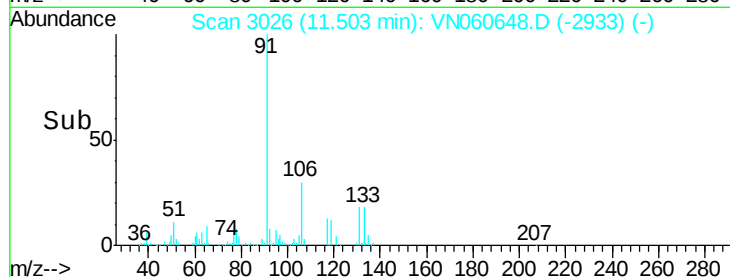
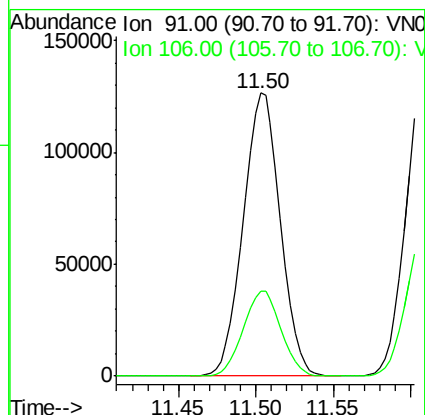
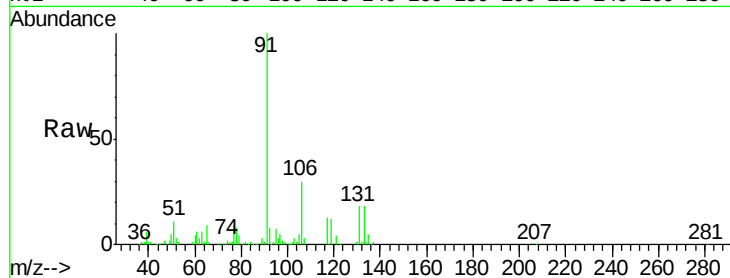
Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.2

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#68

m/p-Xylenes

Concen: 38.62 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060648.D

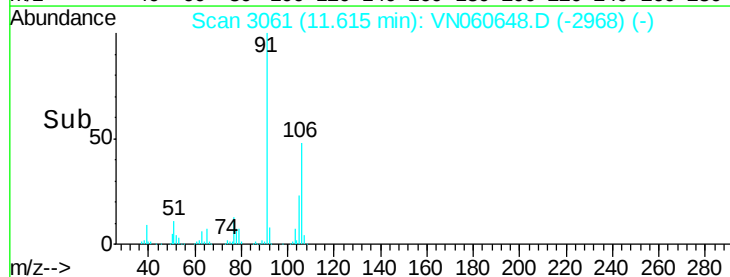
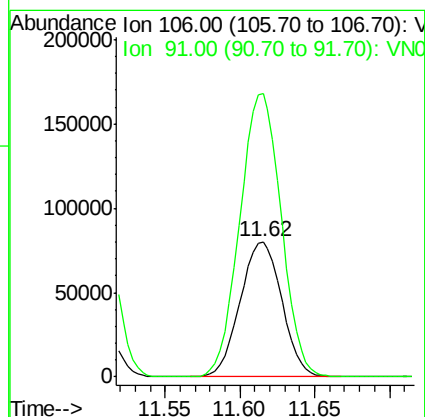
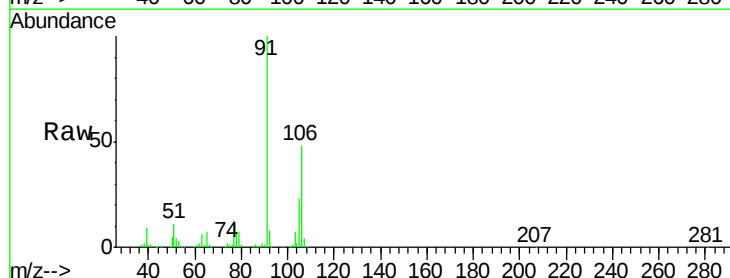
Acq: 20 Mar 2020 13:23

Tgt Ion: 106 Resp: 155078

Ion Ratio Lower Upper

106 100

91 208.6 165.0 247.4





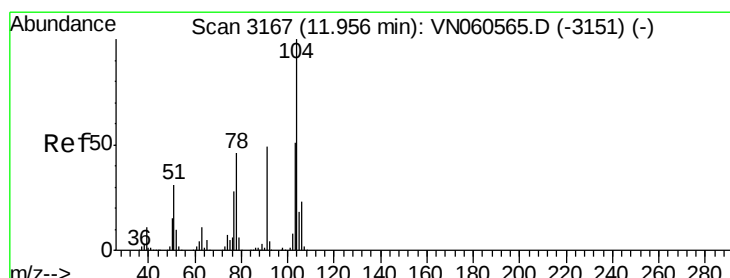
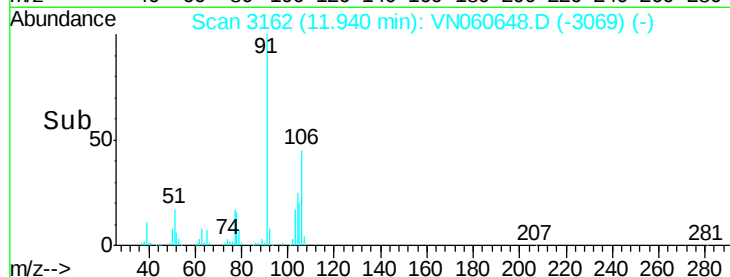
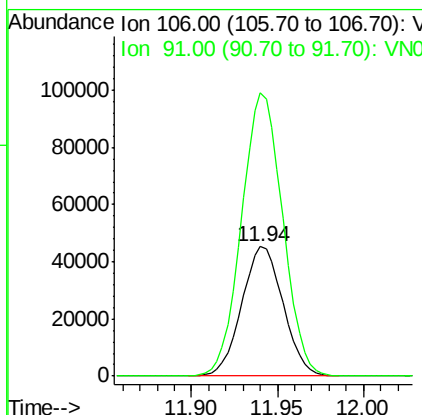
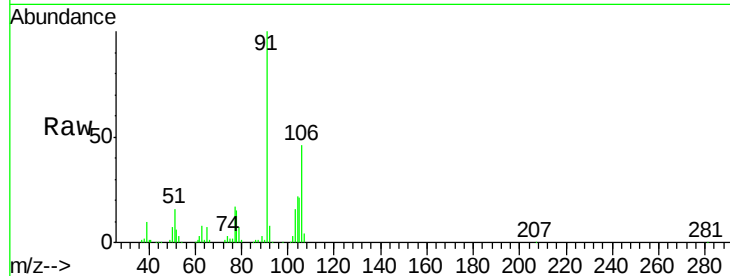
#69
o-Xylene
Concen: 19.73 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion:106 Resp: 75636
Ion Ratio Lower Upper
106 100
91 217.3 109.5 328.4

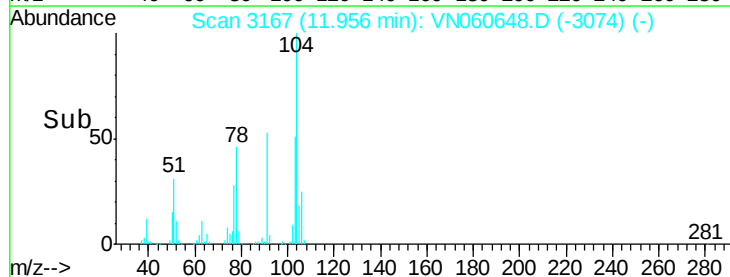
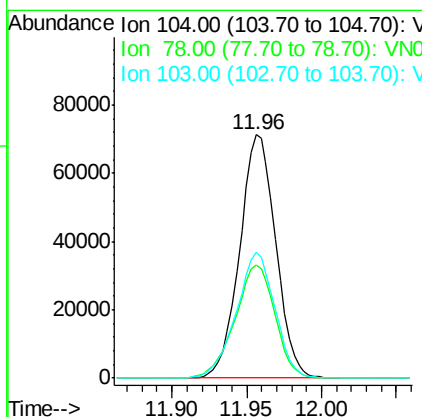
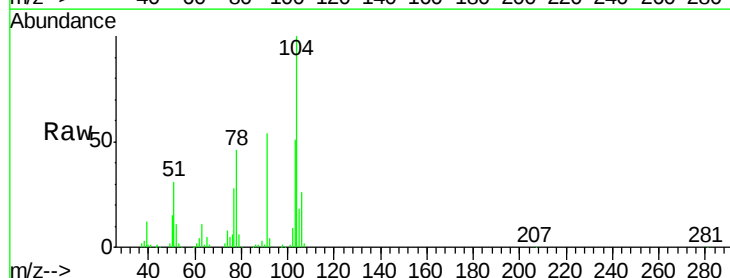
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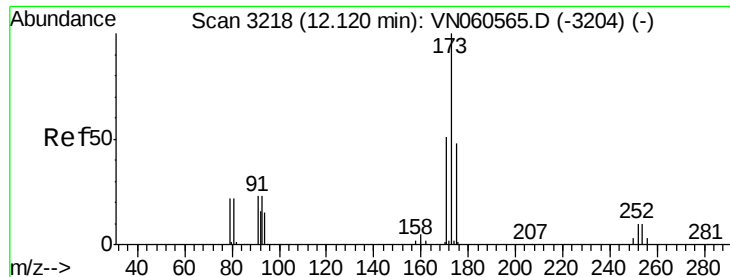
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#70
Styrene
Concen: 19.13 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion:104 Resp: 119926
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 55.2 44.0 66.0





#71

Bromoform

Concen: 18.64 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

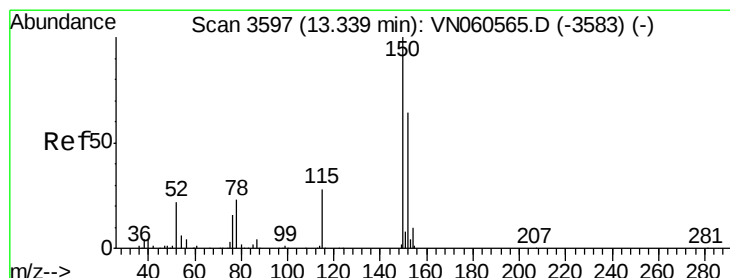
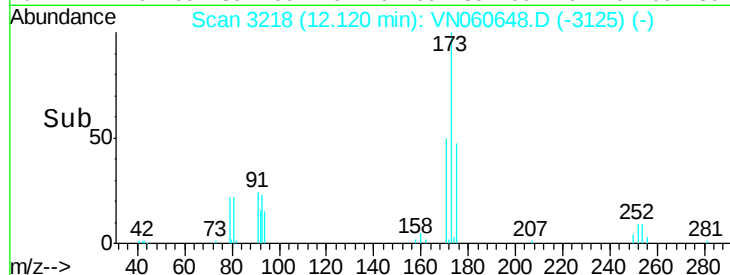
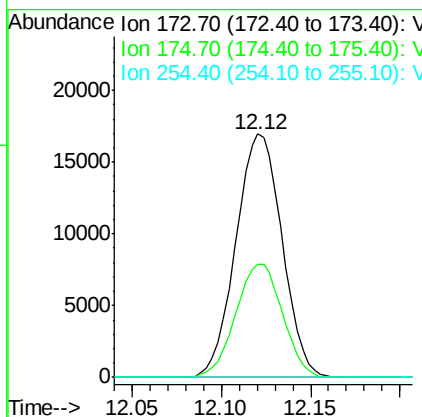
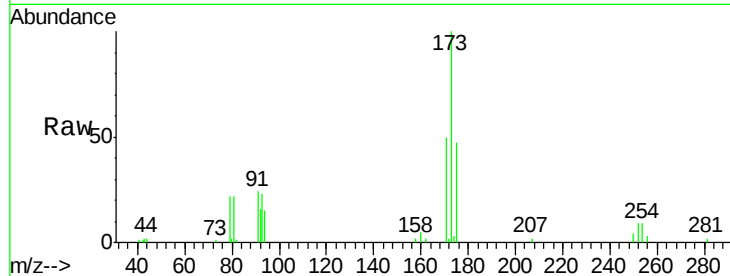
ClientSampleId :

VN0320WBS01

Tgt Ion:	173	Resp:	30685
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

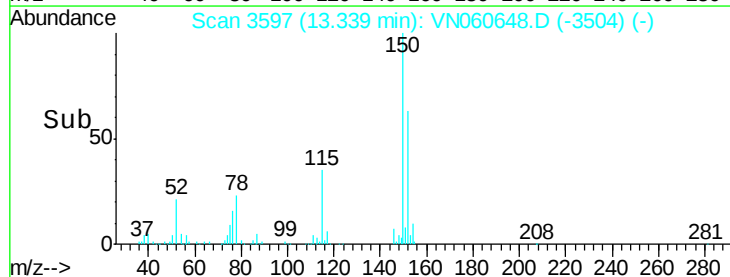
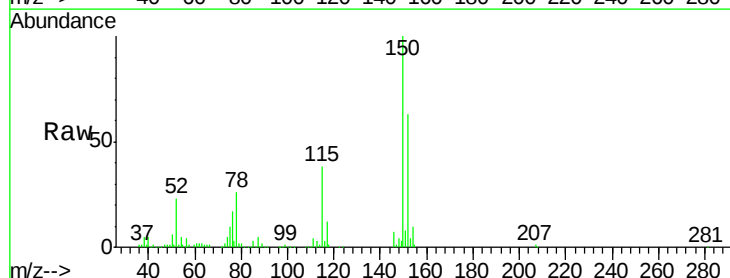
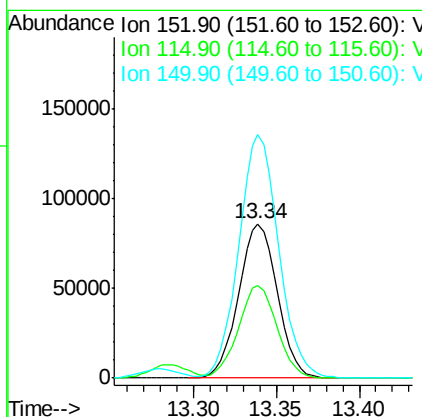
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	152	Resp:	139268
Ion Ratio	Lower	Upper	
152	100		
115	59.6	30.2	90.6
150	162.8	0.0	350.2





#73

Isopropylbenzene

Concen: 19.02 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 105 Resp: 198782

Ion Ratio Lower Upper

105 100

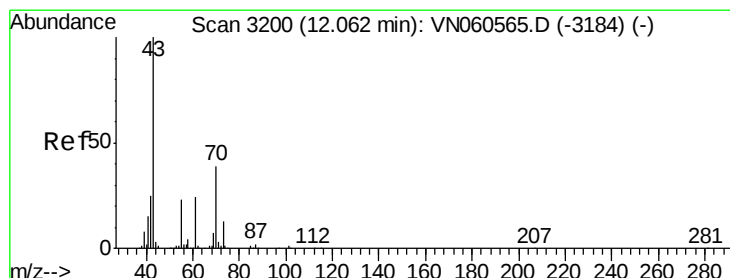
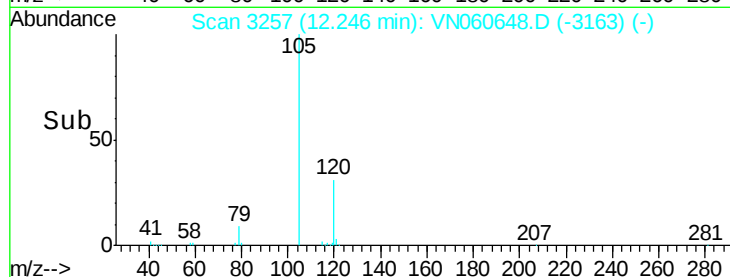
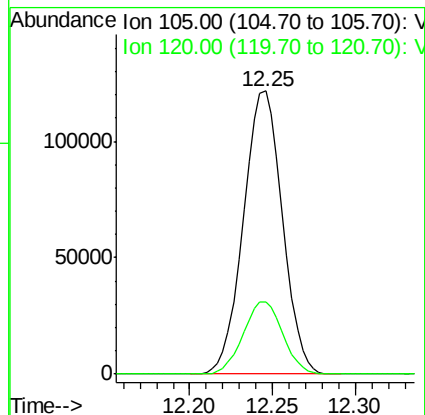
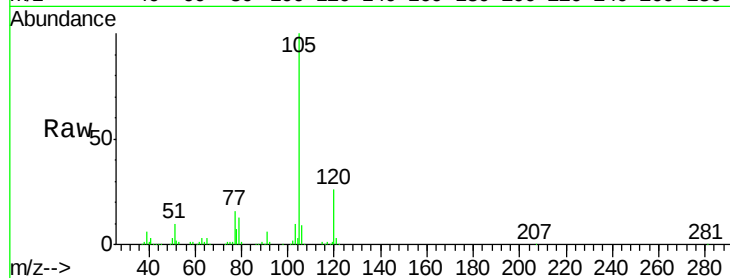
120 25.9 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.79 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion: 43 Resp: 85921

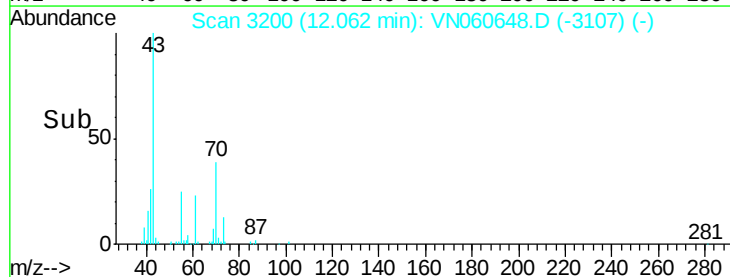
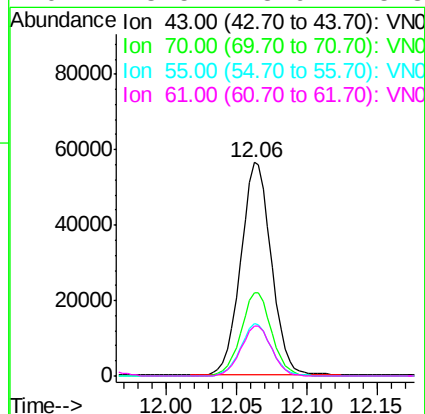
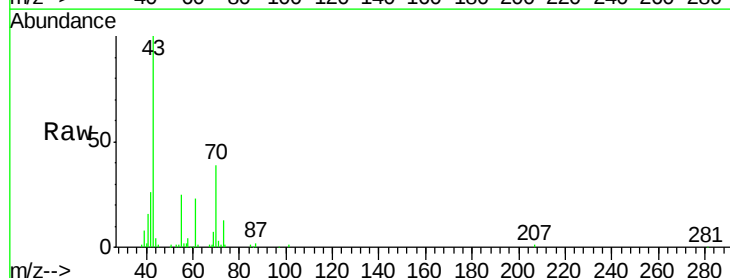
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 24.6 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.64 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 83 Resp: 58902

Ion Ratio Lower Upper

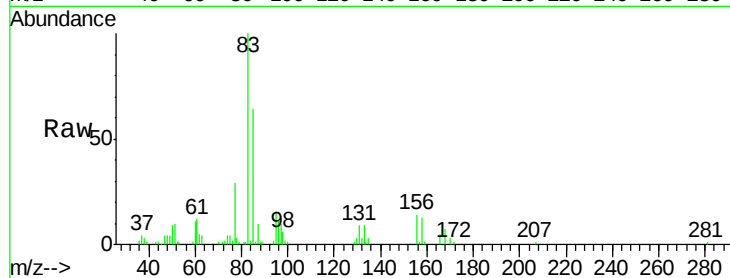
83 100

131 9.6 4.9 14.7

85 64.6 32.5 97.4

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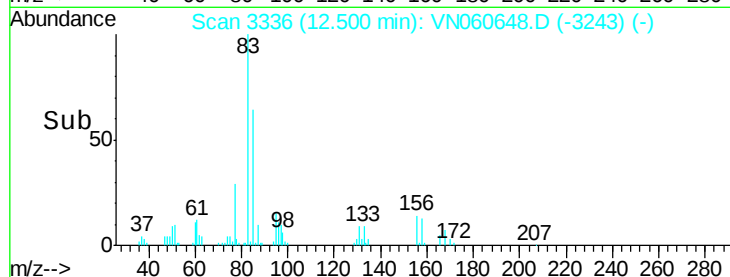


Abundance Ion 82.90 (82.60 to 83.60): VN060648.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060648.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060648.D (-3243) (-)

Time-->

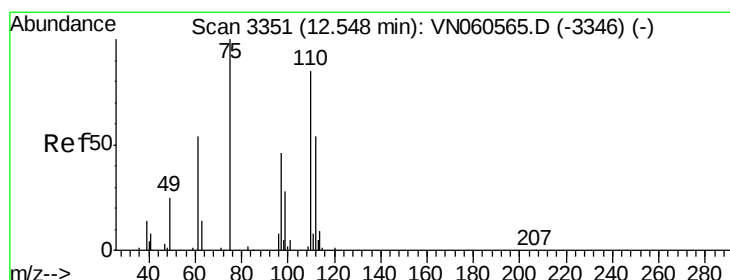


Abundance Ion 82.90 (82.60 to 83.60): VN060648.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060648.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060648.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.04 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060648.D

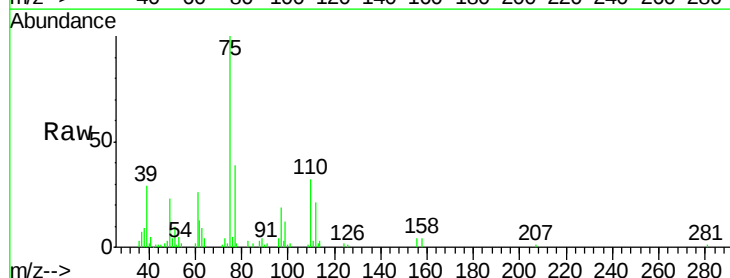
Acq: 20 Mar 2020 13:23

Tgt Ion: 75 Resp: 54220

Ion Ratio Lower Upper

75 100

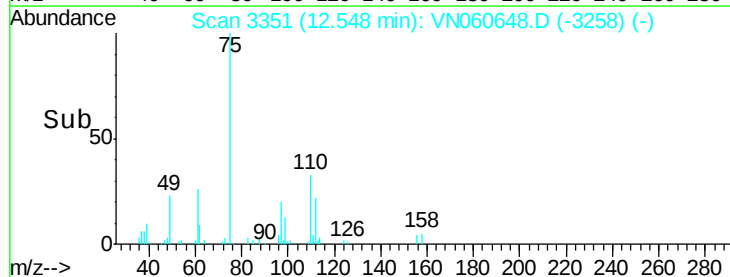
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060648.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060648.D (-3258) (-)

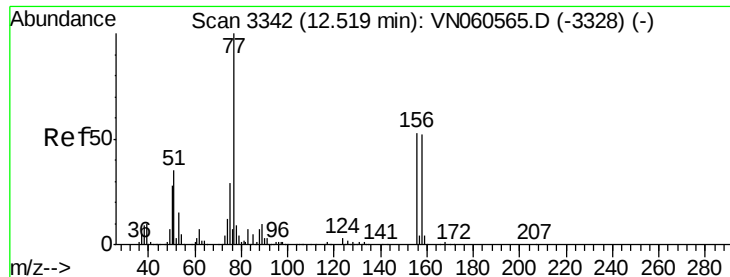
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN060648.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060648.D (-3258) (-)

Time-->



#77

Bromobenzene

Concen: 18.75 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion:156 Resp: 47213

Ion Ratio Lower Upper

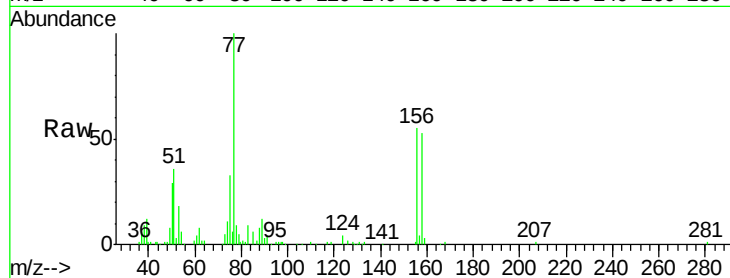
156 100

77 221.8 112.3 337.0

158 96.6 48.6 145.8

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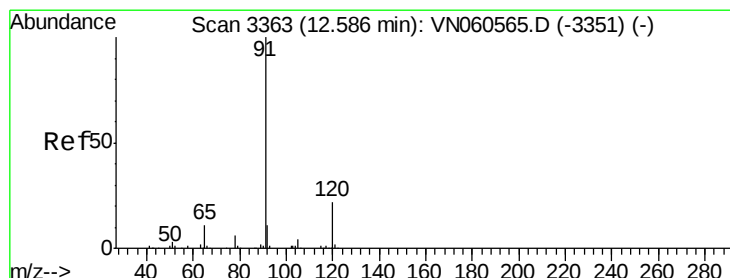
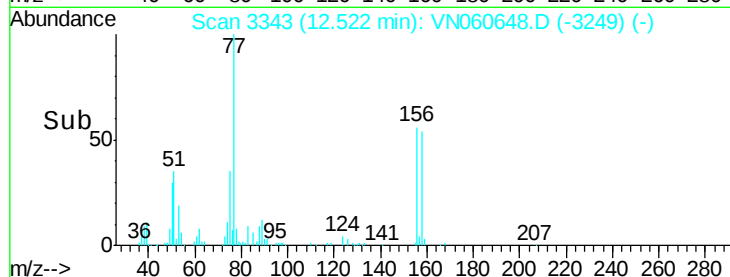
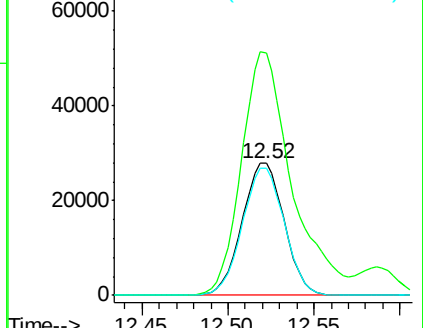
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.09 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060648.D

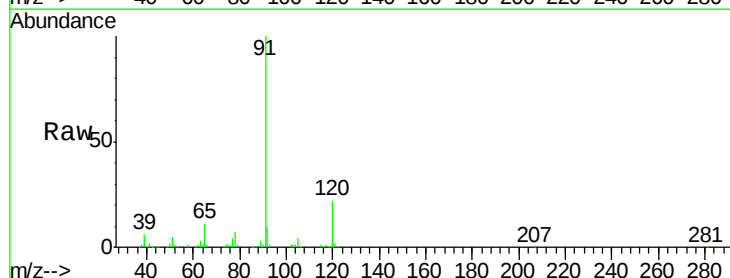
Acq: 20 Mar 2020 13:23

Tgt Ion: 91 Resp: 235738

Ion Ratio Lower Upper

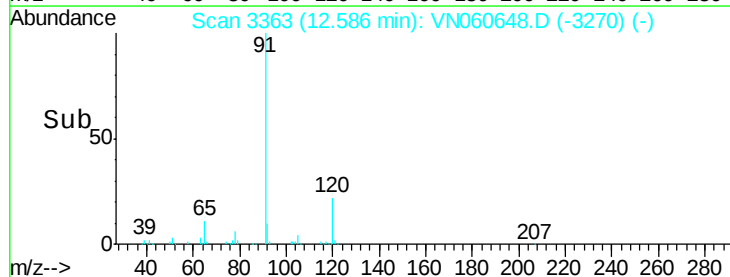
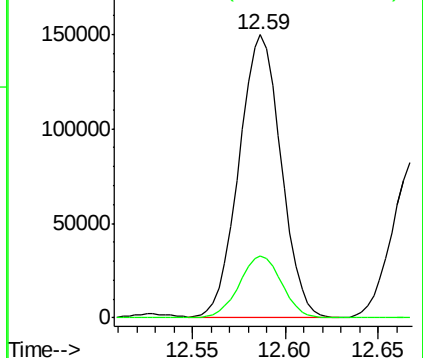
91 100

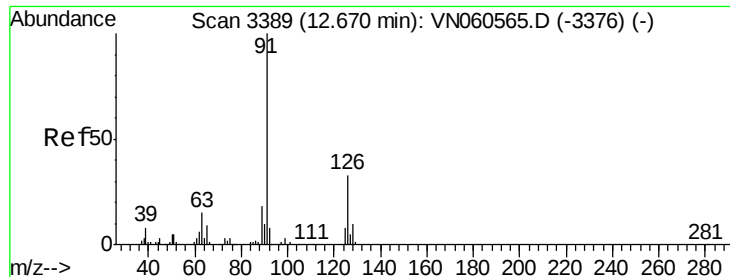
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.80 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBS01

Tgt Ion: 91 Resp: 138706

Ion Ratio Lower Upper

91 100

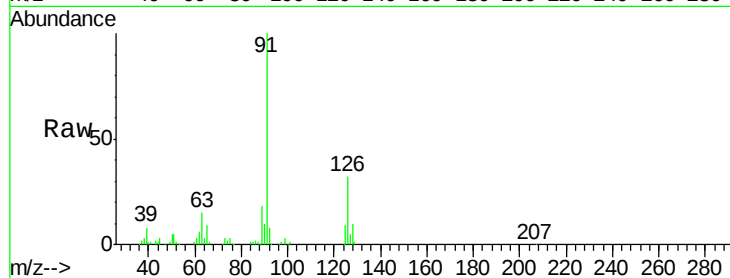
126 32.0 16.4 49.1

Manual Integrations

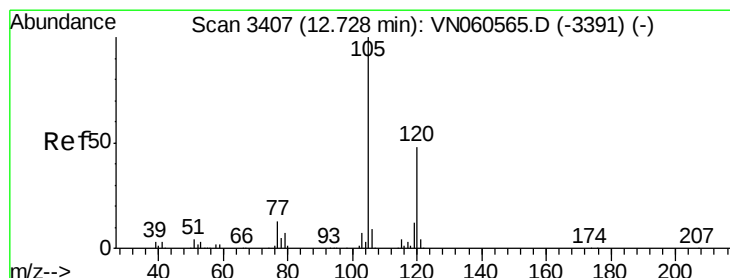
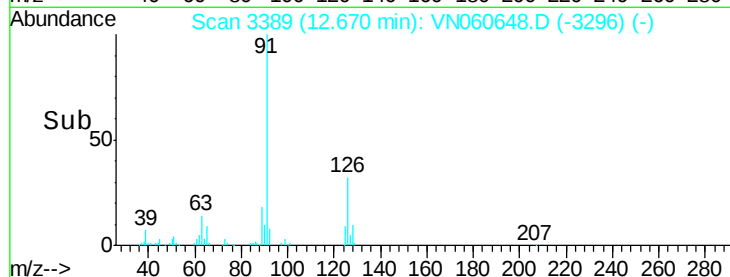
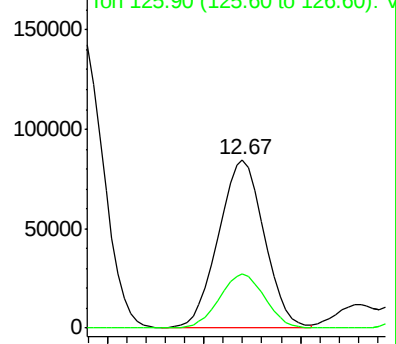
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Abundance Ion 91.00 (90.70 to 91.70): VN060648.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.99 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060648.D

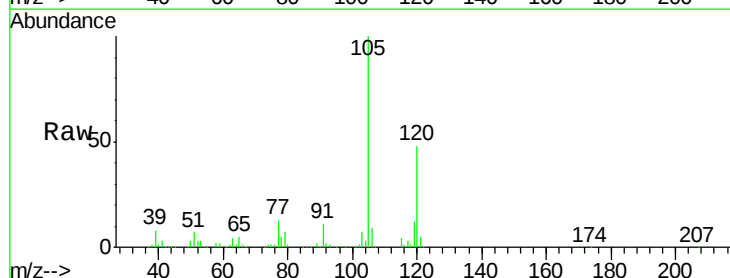
Acq: 20 Mar 2020 13:23

Tgt Ion: 105 Resp: 168456

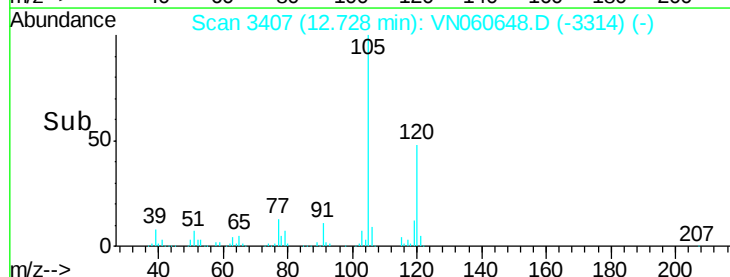
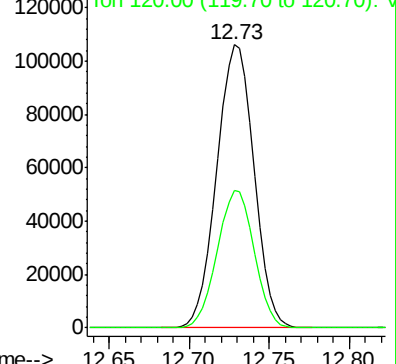
Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060648.D (-3391) (-)





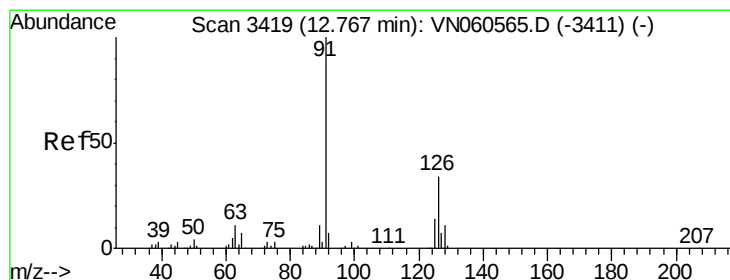
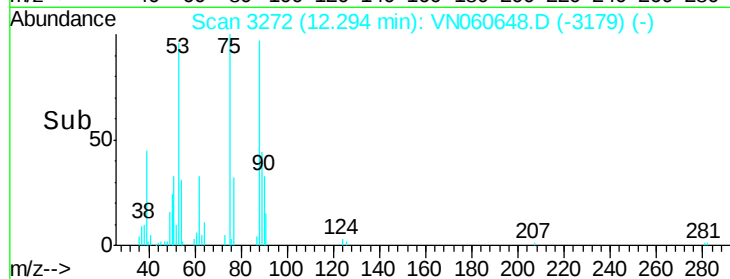
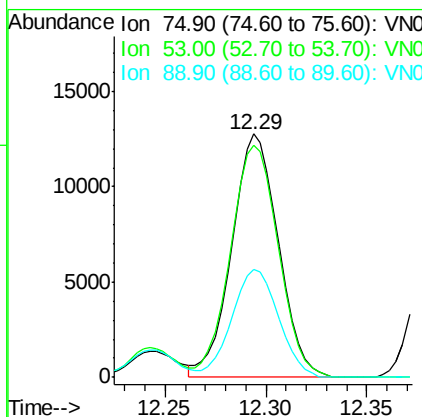
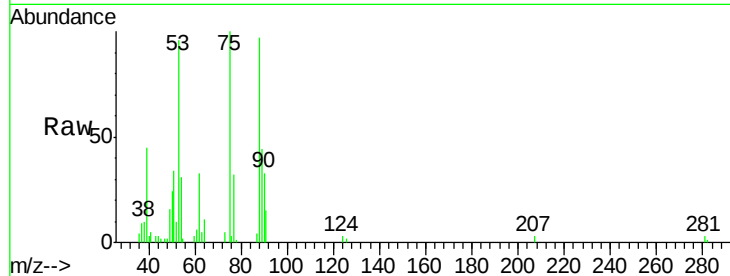
#81
trans-1,4-Dichloro-2-butene
Concen: 17.66 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.6	73.0	109.4
89	44.6	34.8	52.2

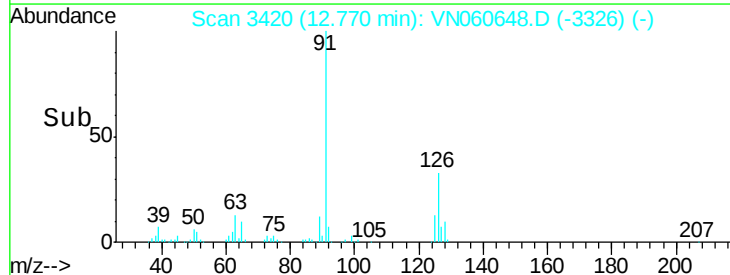
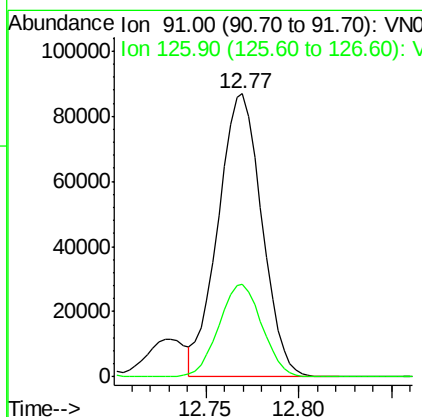
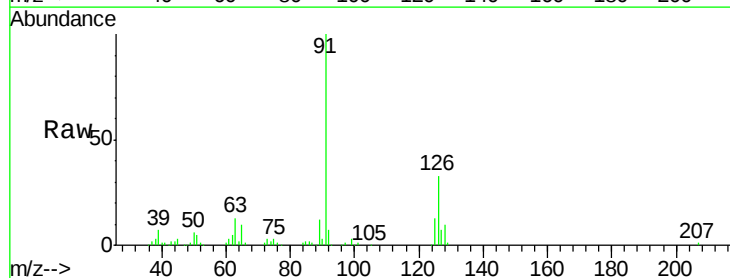
Manual Integrations
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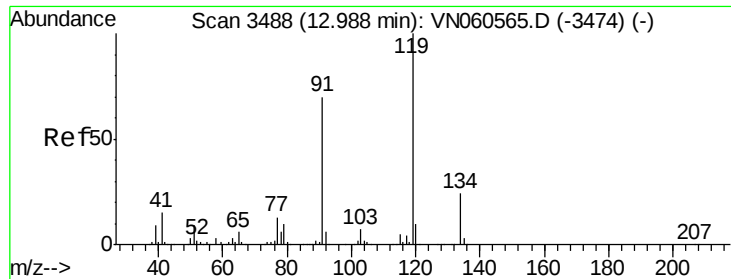
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#82
4-Chlorotoluene
Concen: 18.97 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5





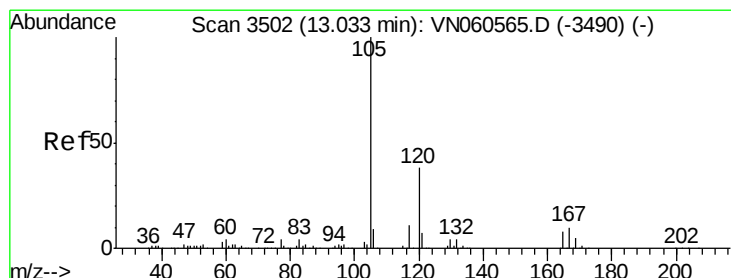
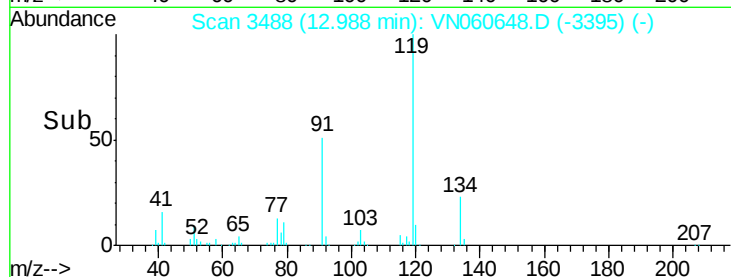
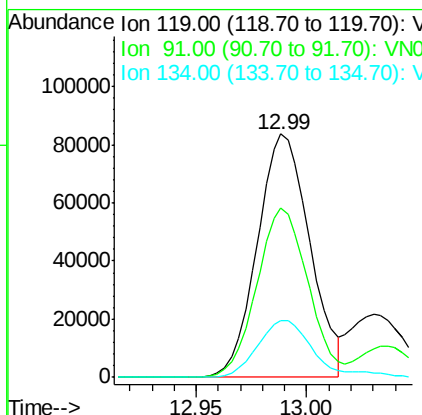
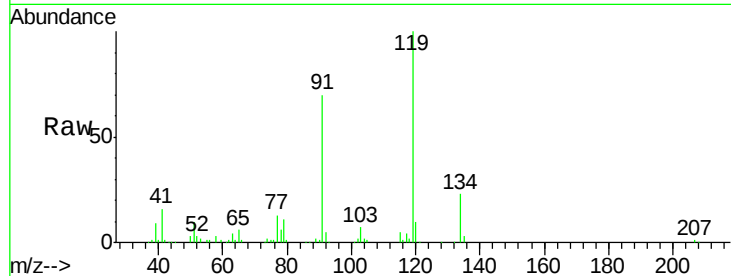
#83
 tert-Butylbenzene
 Concen: 18.81 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	25.1	12.7	38.0

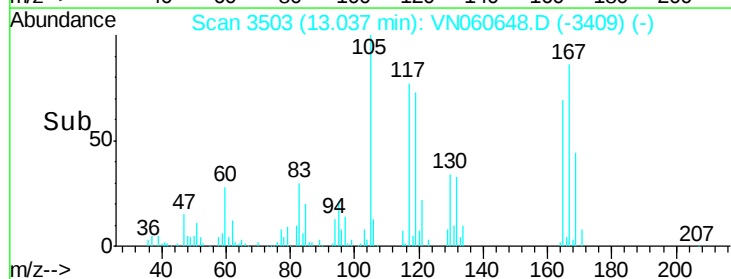
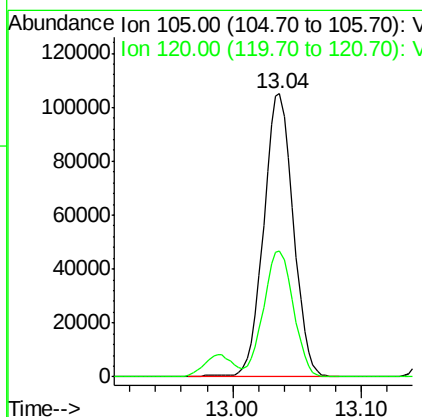
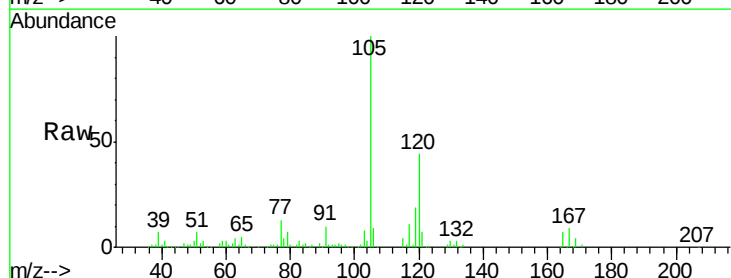
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.18 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.5





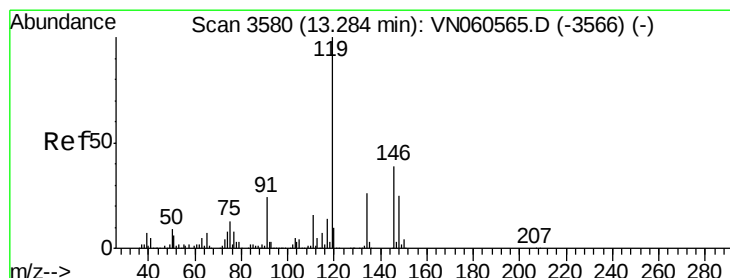
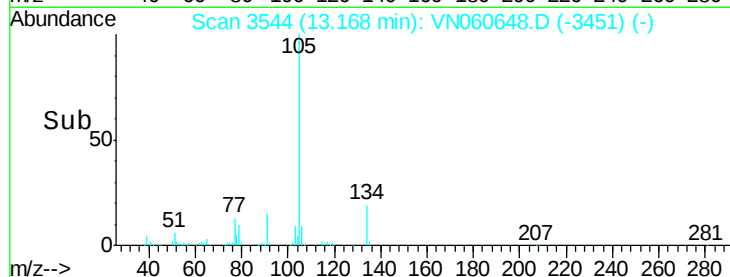
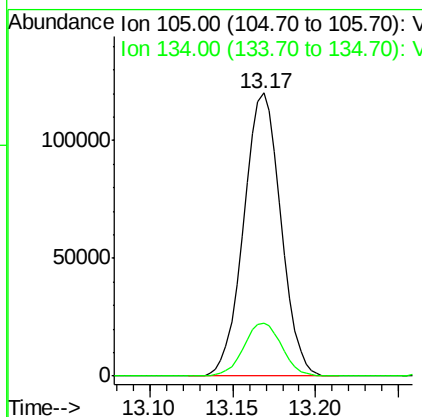
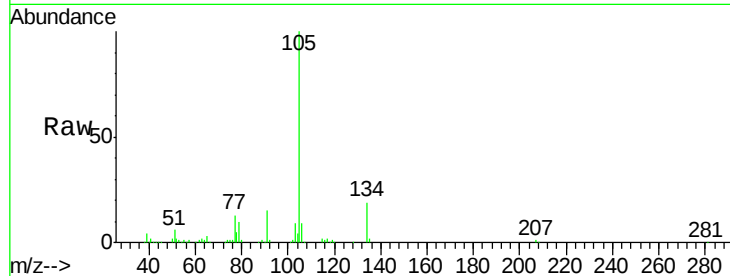
#85
 sec-Butylbenzene
 Concen: 18.98 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

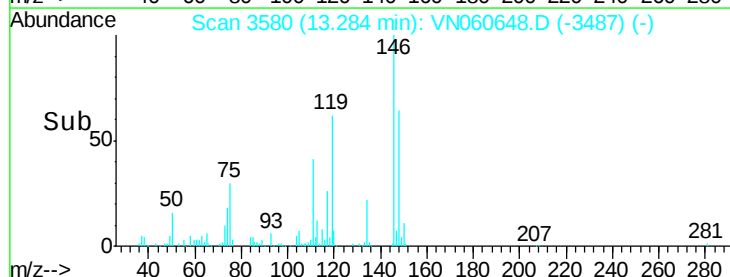
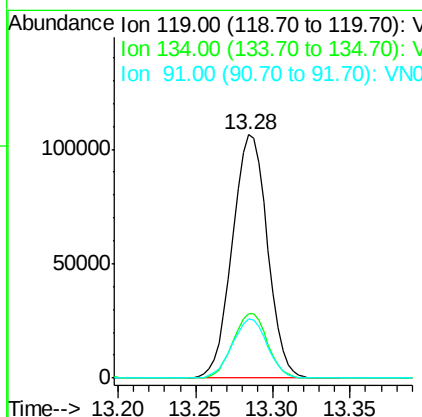
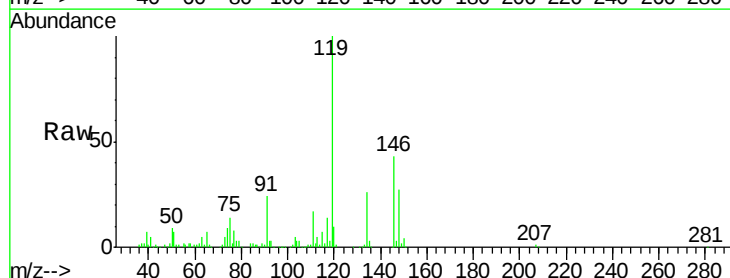
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#86
 p-Isopropyltoluene
 Concen: 18.79 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.4	12.0	36.0





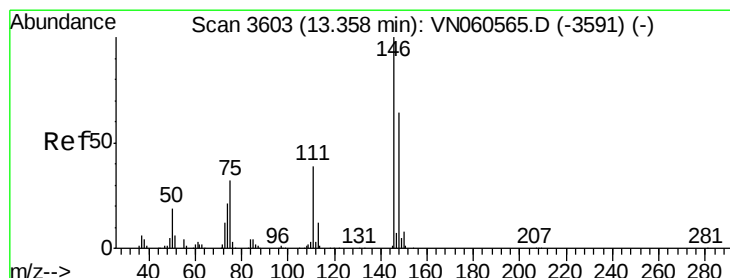
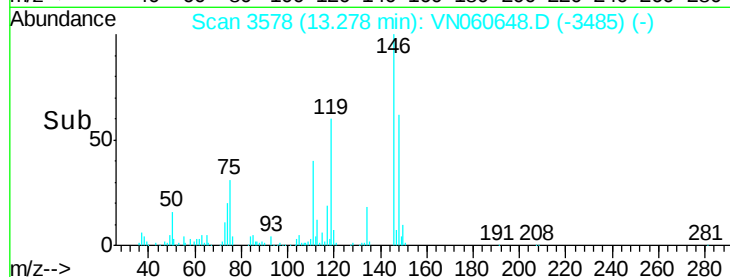
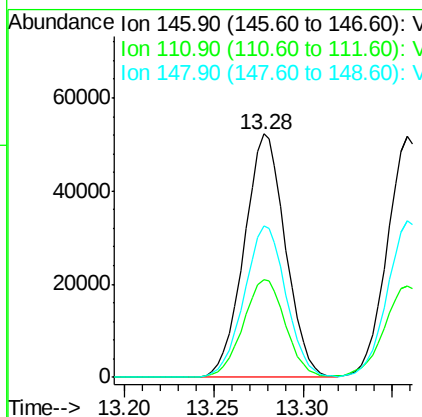
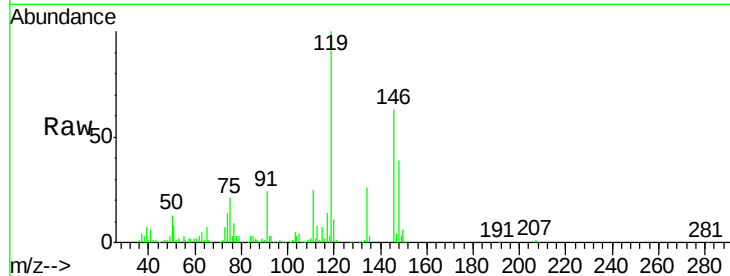
#87
 1,3-Dichlorobenzene
 Concen: 19.04 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	63.1	32.5	97.4

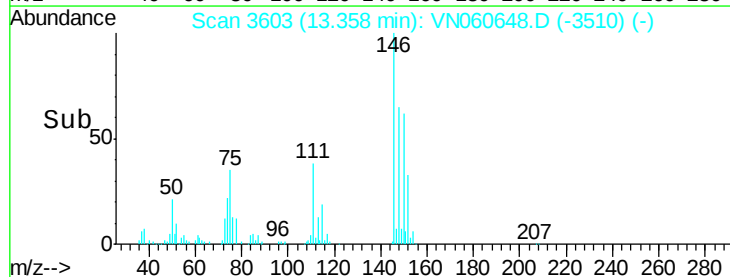
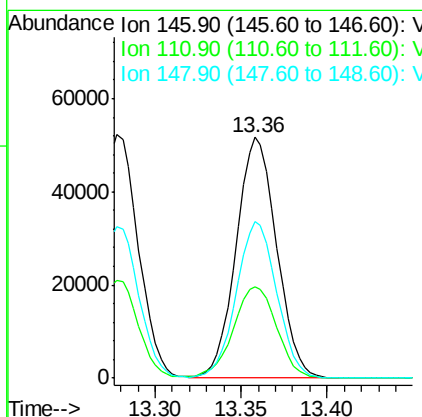
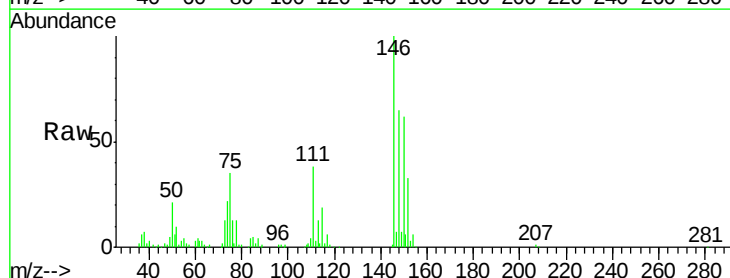
Manual Integrations
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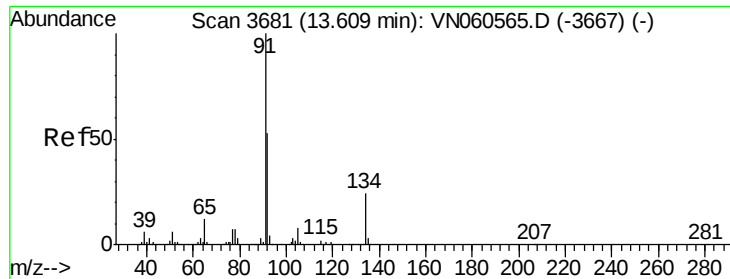
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#88
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	64.8	32.1	96.3





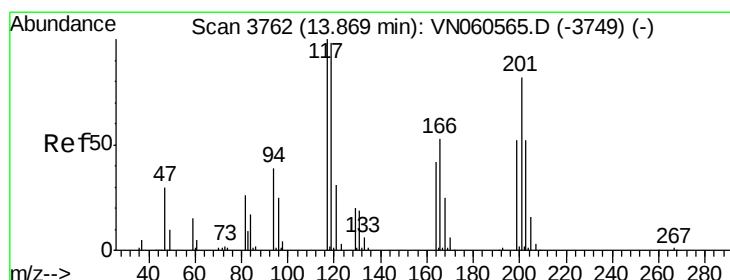
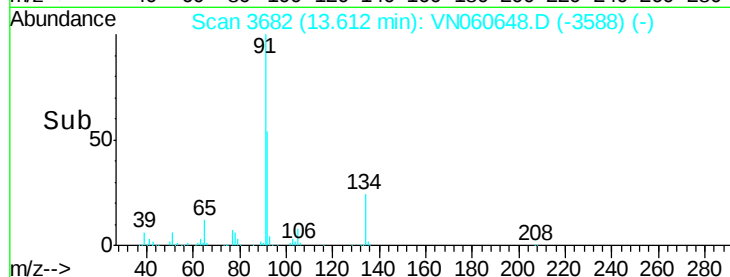
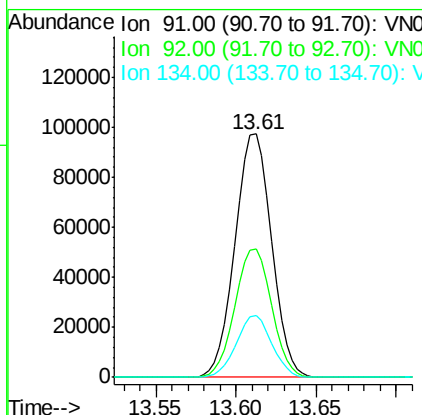
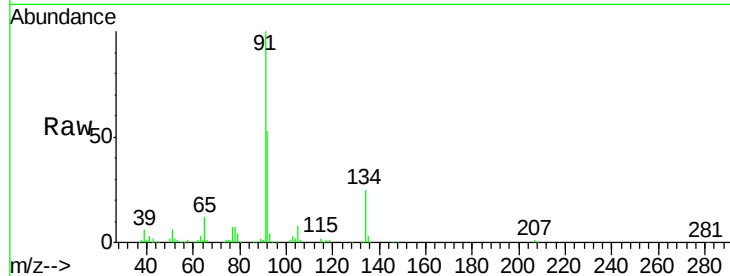
#89
n-Butylbenzene
Concen: 18.84 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	24.7	12.3	36.9

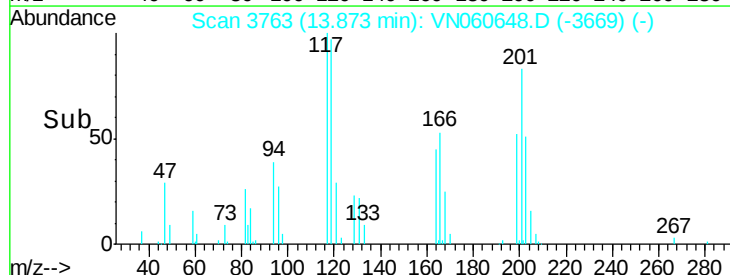
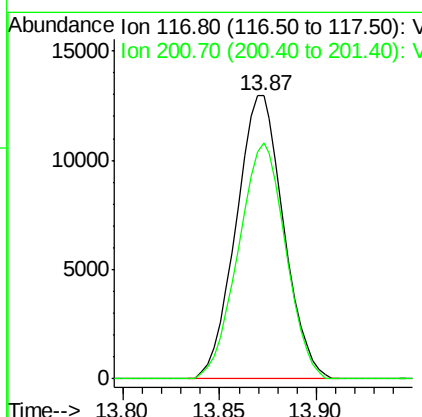
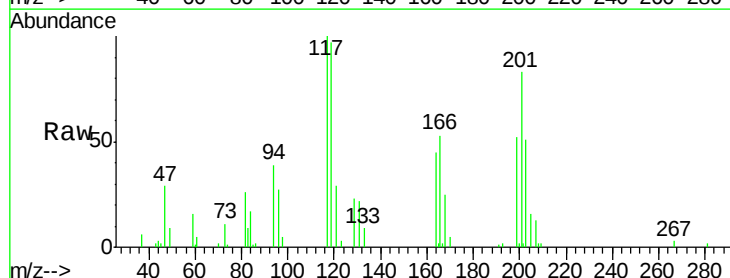
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#90
Hexachloroethane
Concen: 17.16 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 19.44 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Instrument :

MSVOA_N

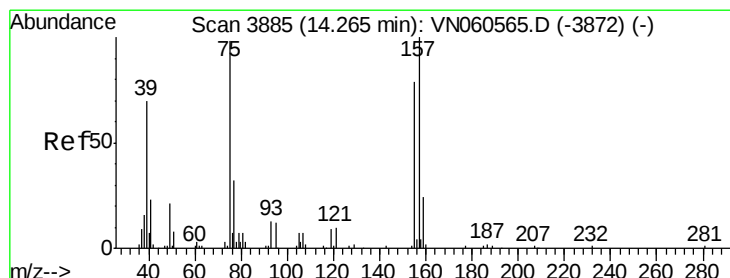
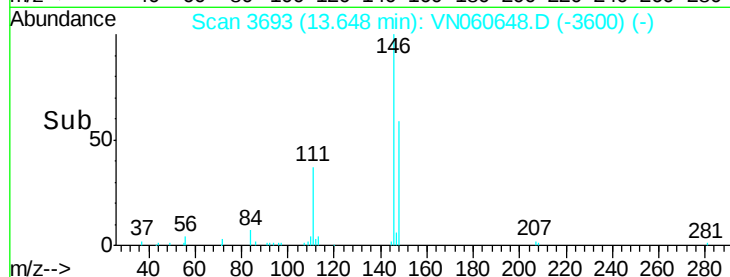
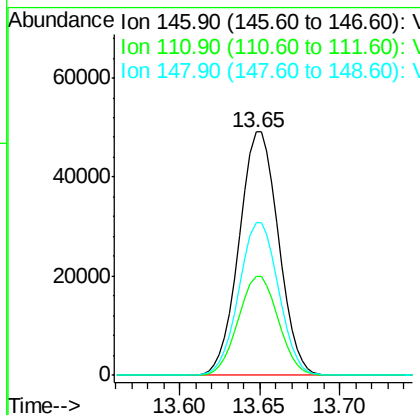
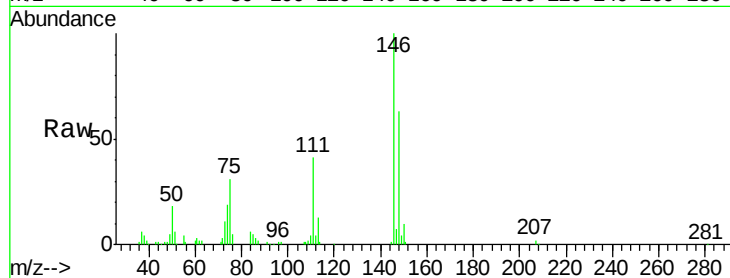
ClientSampleId :

VN0320WBS01

Tgt Ion:	146	Resp:	82584
Ion Ratio	Lower	Upper	
146	100		
111	41.2	21.0	63.0
148	63.1	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.79 ug/l

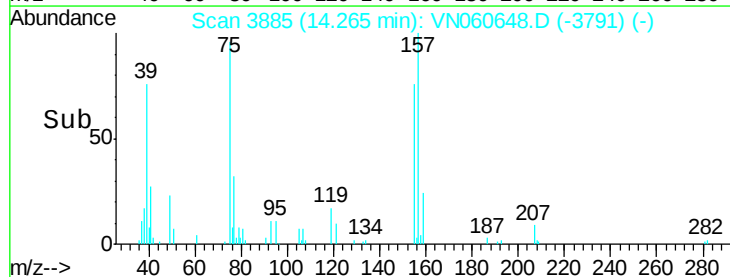
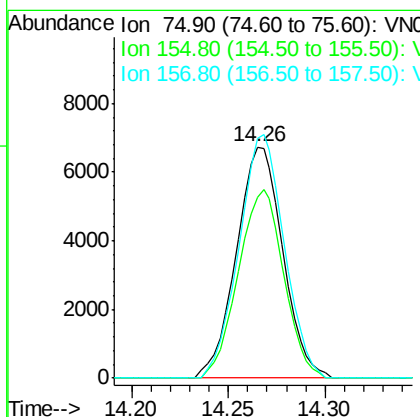
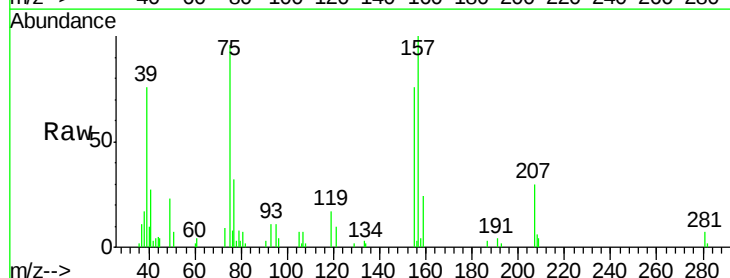
RT: 14.26 min Scan# 3885

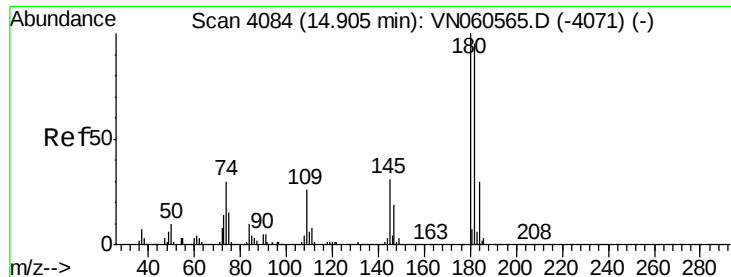
Delta R.T. 0.00 min

Lab File: VN060648.D

Acq: 20 Mar 2020 13:23

Tgt Ion:	75	Resp:	11234
Ion Ratio	Lower	Upper	
75	100		
155	79.7	40.7	122.1
157	102.7	51.5	154.7





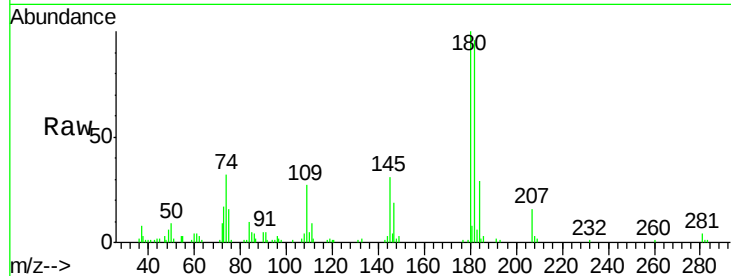
#93
 1,2,4-Trichlorobenzene
 Concen: 19.04 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	30.1	15.4	46.2

Manual Integrations
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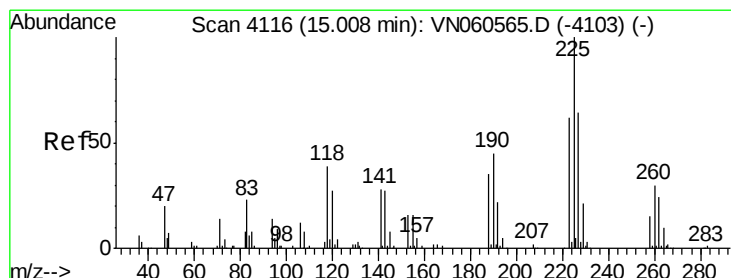
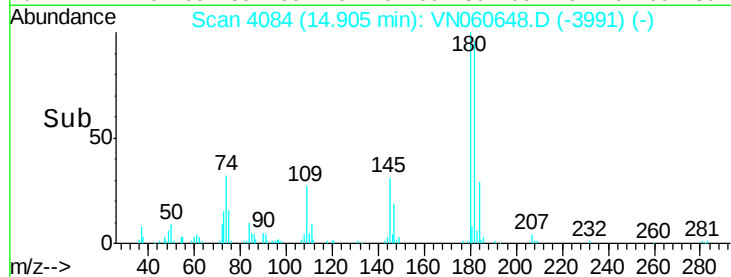
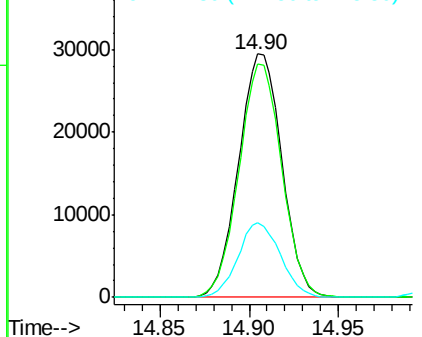


Abundance

Ion 179.80 (179.50 to 180.50): V

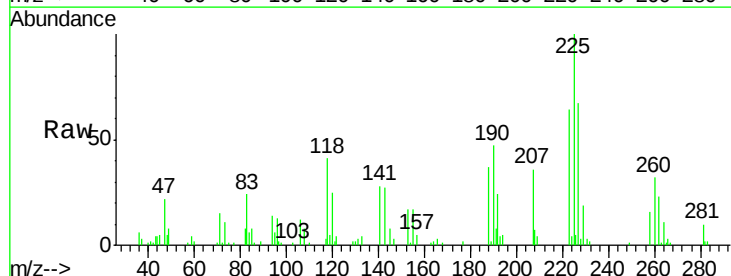
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.54 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060648.D
 Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	95.0
227	65.9	32.3	96.8

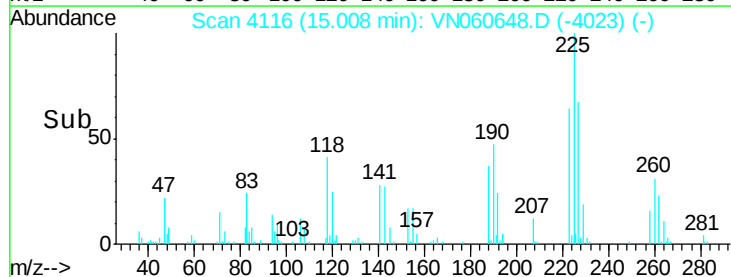
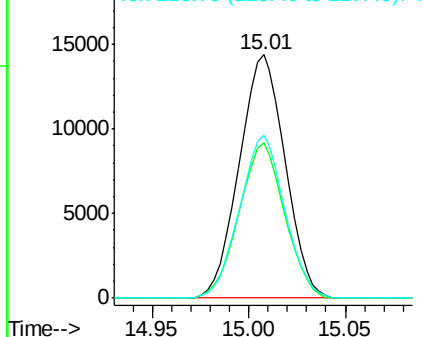


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





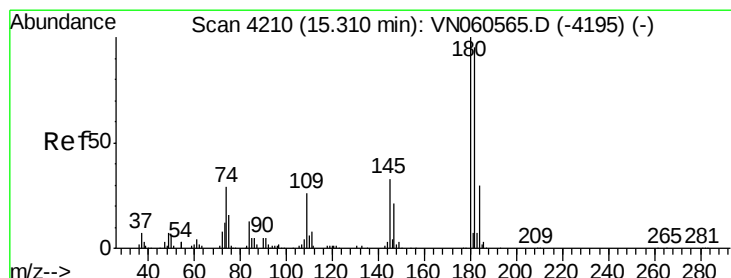
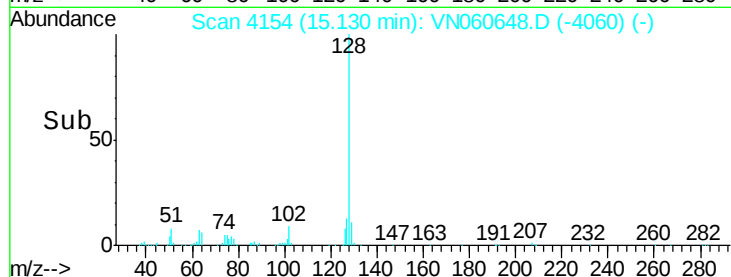
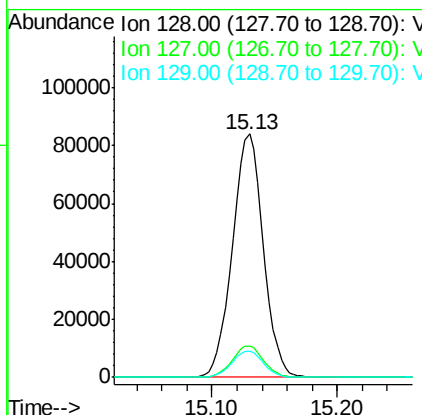
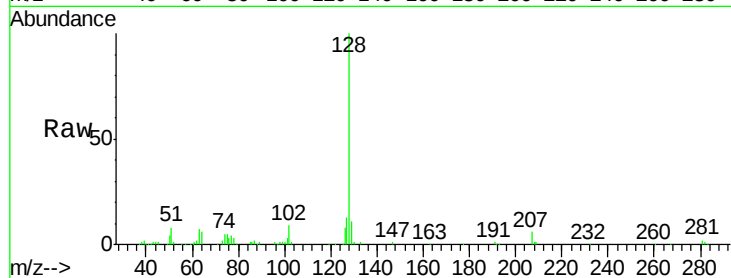
#95
Naphthalene
Concen: 18.24 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Instrument :
MSVOA_N
ClientSampled :
VN0320WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:42:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.84 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060648.D
Acq: 20 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.5	142.6
145	31.9	16.3	48.8

