

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060815.D
 Acq On : 2 Apr 2020 11:49
 Operator : JC/MD
 Sample : VN0402WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:06:20 PM

Quant Time: Apr 03 08:19:02 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	192889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129623	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.56	113	97086	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.08	98	384016	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.39	95	137840	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33175	17.775	ug/l	99
3) Chloromethane	2.04	50	57601	16.525	ug/l	97
4) Vinyl Chloride	2.17	62	46597	17.091	ug/l	98
5) Bromomethane	2.55	94	23483	19.952	ug/l	97
6) Chloroethane	2.69	64	29385	18.710	ug/l	98
7) Trichlorofluoromethane	3.00	101	62893	18.726	ug/l	99
8) Diethyl Ether	3.38	74	26486	19.631	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38170	19.614	ug/l	100
10) Methyl Iodide	3.93	142	33154	19.145	ug/l	99
11) Tert butyl alcohol	4.72	59	39320	100.969	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38546	18.457	ug/l	97
13) Acrolein	3.57	56	31394	72.739	ug/l	99
14) Allyl chloride	4.29	41	70876	19.296	ug/l	96
15) Acrylonitrile	4.94	53	109391	95.526	ug/l	100
16) Acetone	3.78	43	104443	111.352	ug/l	99
17) Carbon Disulfide	4.03	76	107715	16.959	ug/l	99
18) Methyl Acetate	4.29	43	53021	20.083	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	135635	18.890	ug/l	97
20) Methylene Chloride	4.52	84	42934	18.608	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	41307	18.559	ug/l	98
22) Diisopropyl ether	5.91	45	153626	19.797	ug/l	99
23) Vinyl Acetate	5.86	43	623505	98.477	ug/l	100
24) 1,1-Dichloroethane	5.82	63	82979	19.615	ug/l	99
25) 2-Butanone	6.80	43	149961	98.804	ug/l	98
26) 2,2-Dichloropropane	6.79	77	69869	20.992	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	48092	19.014	ug/l	98
28) Bromochloromethane	7.17	49	38960	19.249	ug/l	99
29) Tetrahydrofuran	7.18	42	100566	93.647	ug/l	98
30) Chloroform	7.34	83	78077	19.252	ug/l	97
31) Cyclohexane	7.63	56	79231	18.578	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	66232	18.945	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60073	19.854	ug/l	99
37) Ethyl Acetate	6.89	43	62532	19.127	ug/l	99
38) Carbon Tetrachloride	7.75	117	52728	19.444	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71846	19.981	ug/l	97
40) Benzene	8.02	78	179246	19.624	ug/l	100
41) Methacrylonitrile	7.13	41	27003	19.353	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62281	19.952	ug/l	99
43) Isopropyl Acetate	8.14	43	105399	19.548	ug/l	100
44) Trichloroethene	8.81	130	45273	19.662	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49828	20.674	ug/l	99
46) Dibromomethane	9.19	93	29074	19.953	ug/l	100
47) Bromodichloromethane	9.38	83	60743	20.061	ug/l	98
48) Methyl methacrylate	9.18	41	45201	18.829	ug/l	99
49) 1,4-Dioxane	9.18	88	13794	483.424	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	302307	98.529	ug/l	99
52) Toluene	10.14	92	108273	19.628	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70257	20.200	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	76805	20.129	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42072	19.825	ug/l	98
56) Ethyl methacrylate	10.42	69	62784	18.974	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73538	19.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	130513	79.358	ug/l	99
59) 2-Hexanone	10.74	43	215368	97.443	ug/l	100
60) Dibromochloromethane	10.89	129	42396	19.340	ug/l	98
61) 1,2-Dibromoethane	10.99	107	42236	19.792	ug/l	100
64) Tetrachloroethene	10.62	164	43352	19.396	ug/l	98
65) Chlorobenzene	11.43	112	109238	19.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40691	19.960	ug/l	98
67) Ethyl Benzene	11.50	91	205905	19.664	ug/l	99
68) m/p-Xylenes	11.61	106	152869	39.287	ug/l	99
69) o-Xylene	11.94	106	72671	19.564	ug/l	99
70) Styrene	11.96	104	114854	18.906	ug/l	99
71) Bromoform	12.12	173	30006	18.794	ug/l #	99
73) Isopropylbenzene	12.24	105	197070	20.001	ug/l	99
74) N-amyl acetate	12.06	43	87199	19.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58972	19.792	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53971m	19.050	ug/l	
77) Bromobenzene	12.52	156	45964	19.359	ug/l	99
78) n-propylbenzene	12.59	91	230747	19.822	ug/l	98
79) 2-Chlorotoluene	12.67	91	134845	19.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165750	19.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21125	19.151	ug/l	98
82) 4-Chlorotoluene	12.77	91	140095	19.776	ug/l	99
83) tert-Butylbenzene	12.99	119	138887	20.037	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	165579	20.016	ug/l	99
85) sec-Butylbenzene	13.17	105	190191	20.405	ug/l	99
86) p-Isopropyltoluene	13.28	119	169205	20.188	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	83083	19.841	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	82721	19.662	ug/l	99
89) n-Butylbenzene	13.61	91	154093	20.363	ug/l	100
90) Hexachloroethane	13.87	117	25305	20.770	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	80531	20.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11294	17.925	ug/l	93

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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
VN0402WBS01

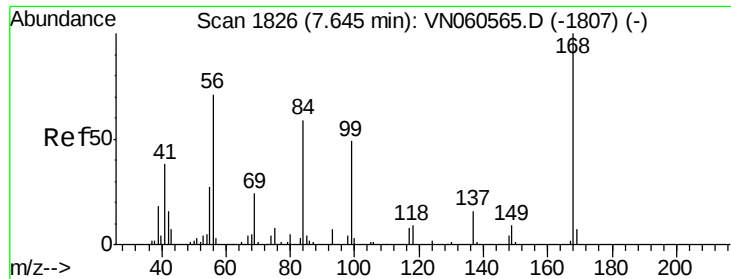
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48228	19.614	ug/l	99
94) Hexachlorobutadiene	15.01	225	25560	21.205	ug/l	100
95) Naphthalene	15.13	128	134860	18.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46219	19.084	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion:168 Resp: 192889

Ion Ratio Lower Upper

168 100

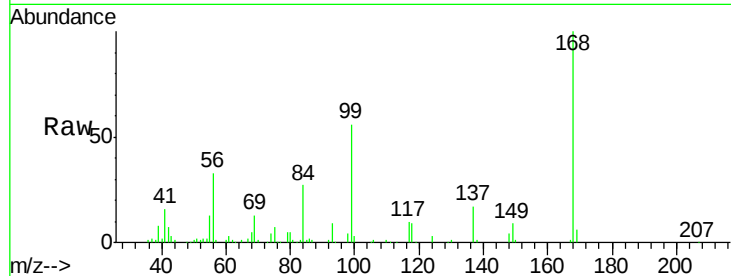
99 55.7 44.0 66.0

Manual Integrations

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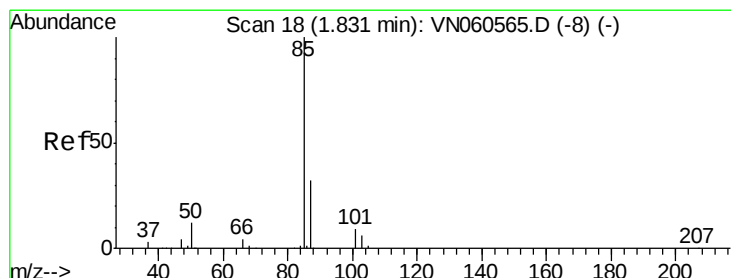
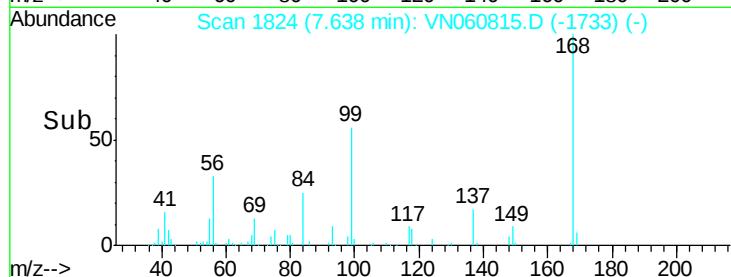
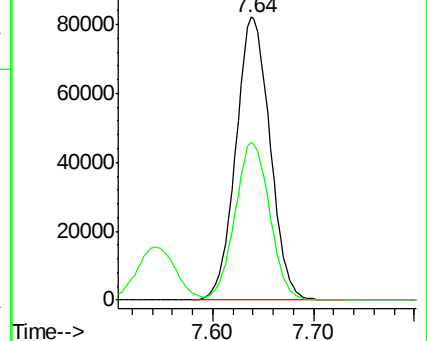
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.775 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060815.D

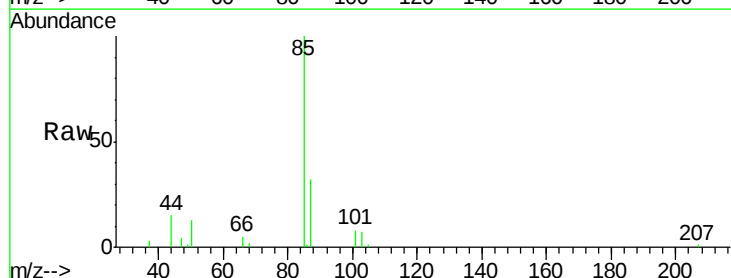
Acq: 2 Apr 2020 11:49

Tgt Ion: 85 Resp: 33175

Ion Ratio Lower Upper

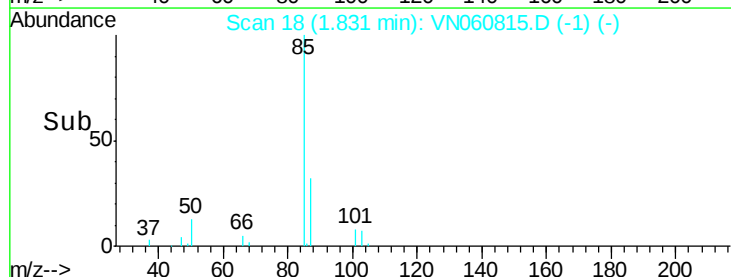
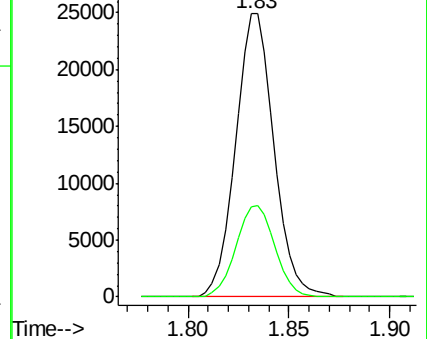
85 100

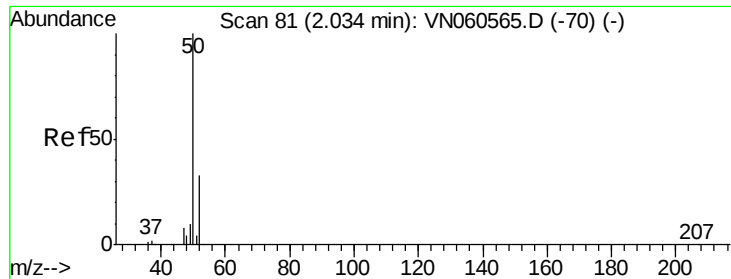
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.525 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 50 Resp: 57601

Ion Ratio Lower Upper

50 100

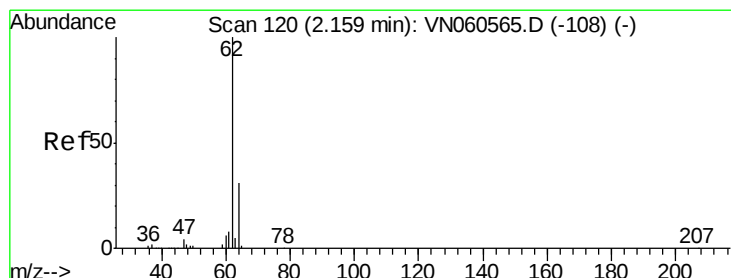
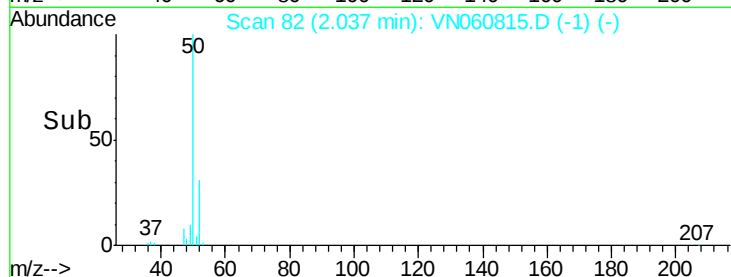
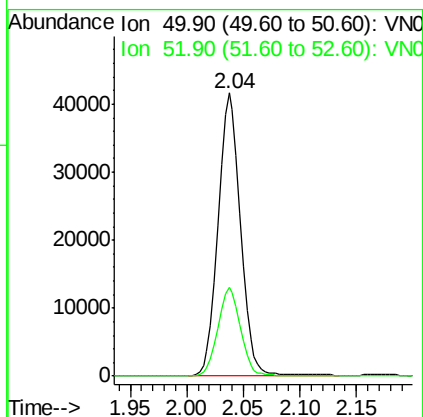
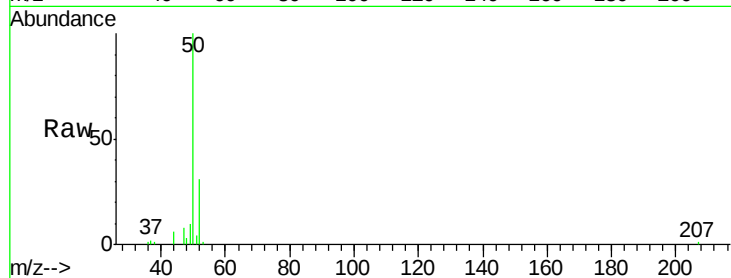
52 31.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.091 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060815.D

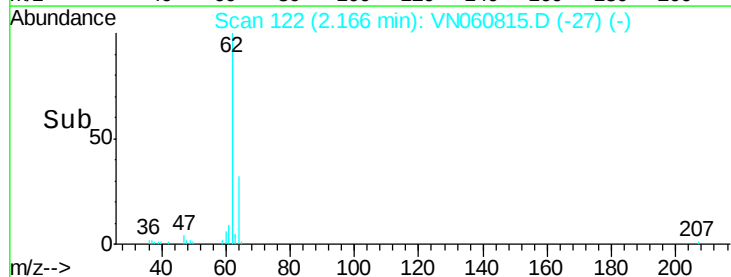
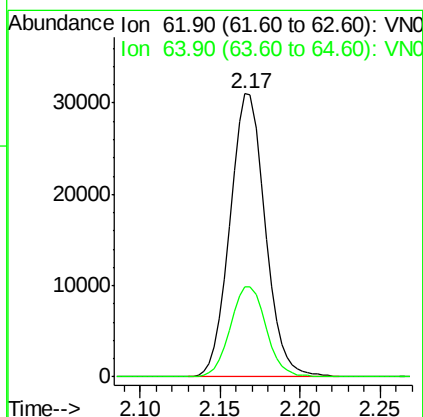
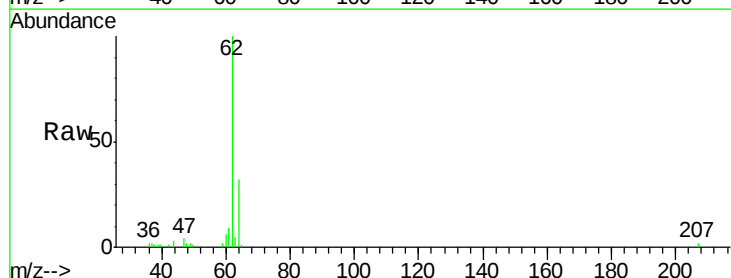
Acq: 2 Apr 2020 11:49

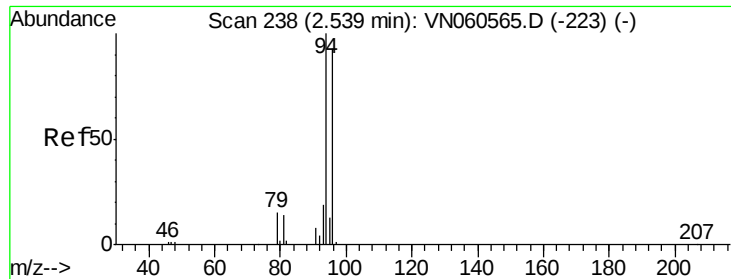
Tgt Ion: 62 Resp: 46597

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 19.952 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

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ClientSampleId :

VN0402WBS01

Tot Ion: 94 Resp: 23483

Ion Ratio Lower Upper

94 100

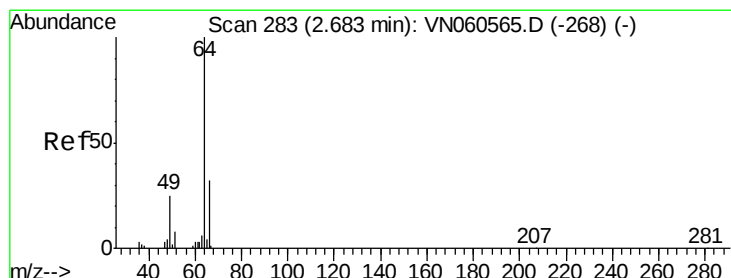
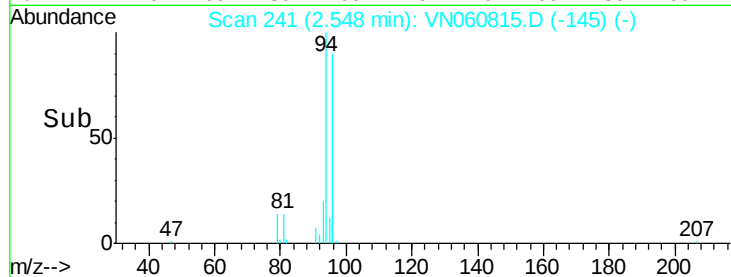
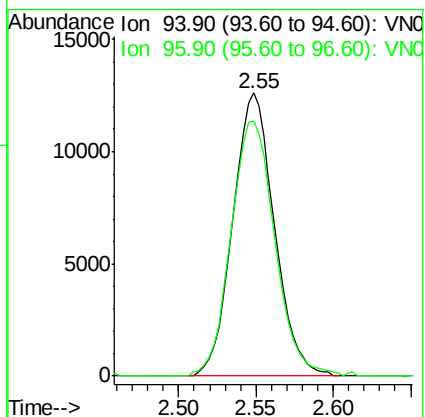
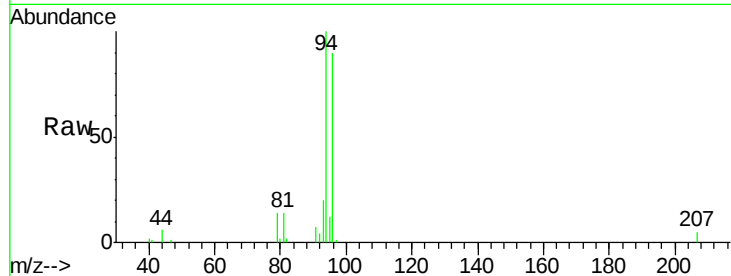
96 90.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.710 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060815.D

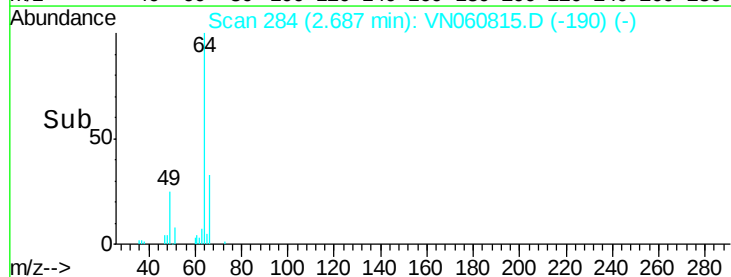
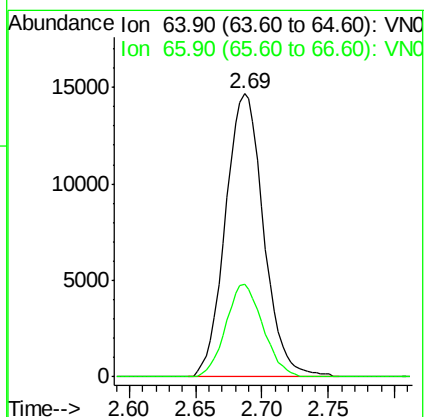
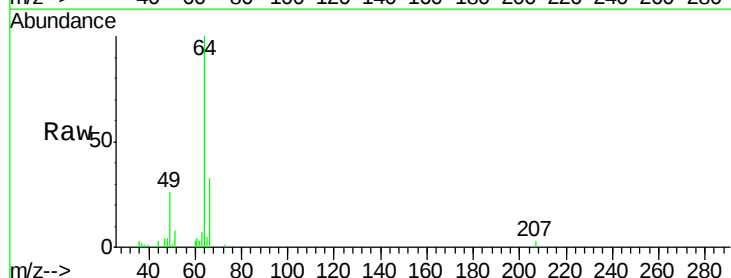
Acq: 2 Apr 2020 11:49

Tgt Ion: 64 Resp: 29385

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

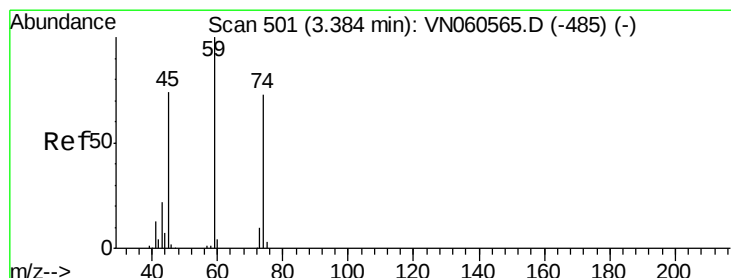
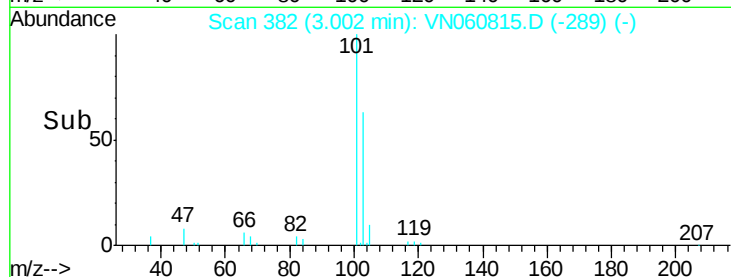
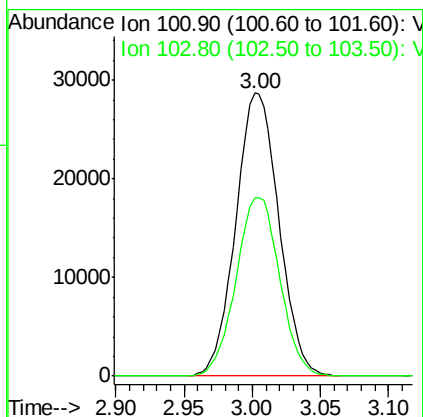
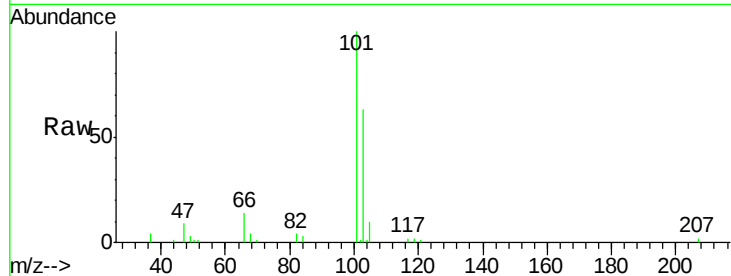
Trichlorofluoromethane
 Concen: 18.726 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060815.D
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 VN0402WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		62893		
103	62.8	50.6	76.0		

Manual Integrations
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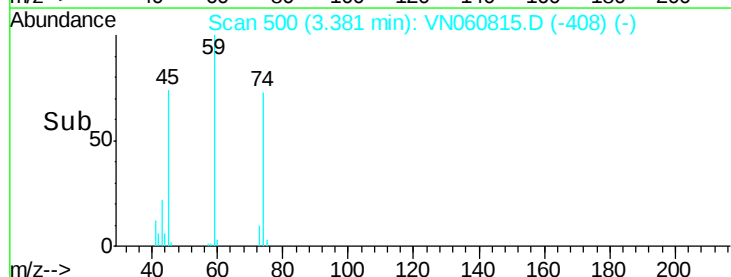
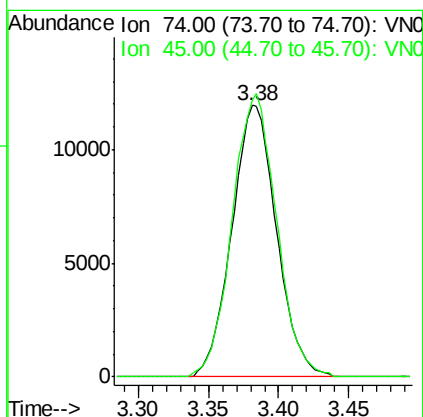
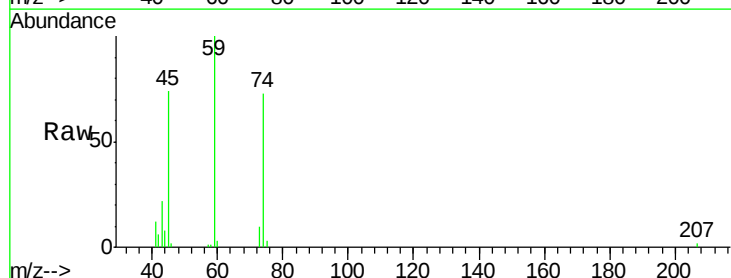
MMDadoda
 4/3/2020 12:06:20 PM

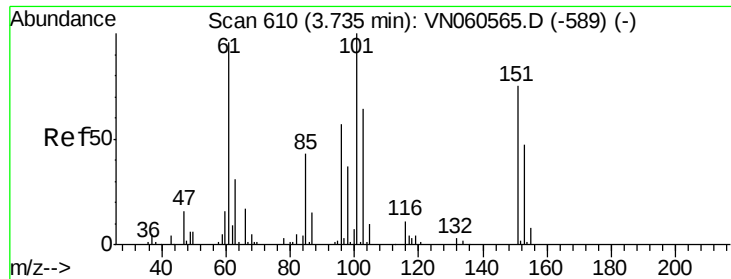


#8

Diethyl Ether
 Concen: 19.631 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		26486		
45	103.7	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.614 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

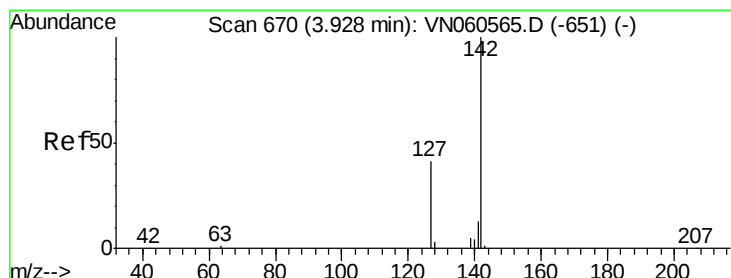
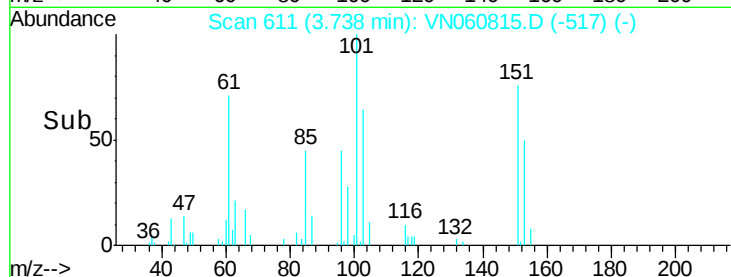
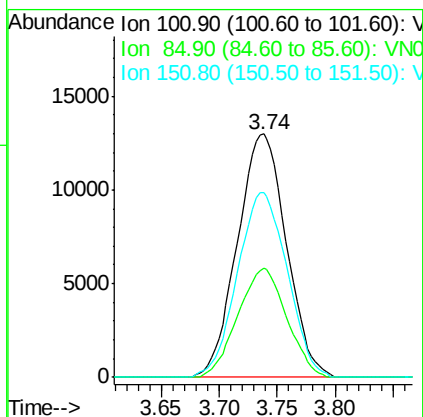
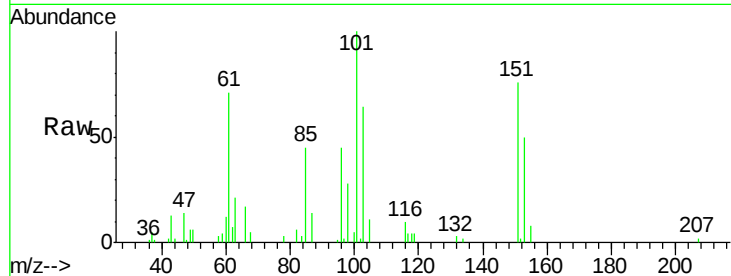
ClientSampled :

VN0402WBS01

Tot Ion:	101	Resp:	38170
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	77.2	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.145 ug/l

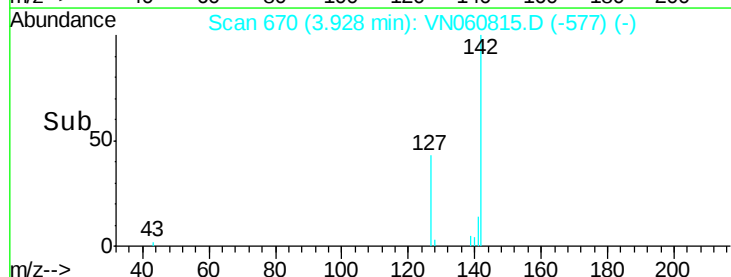
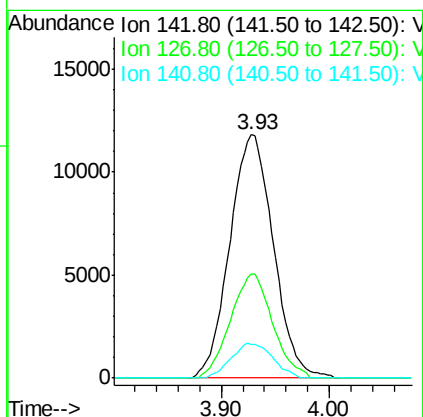
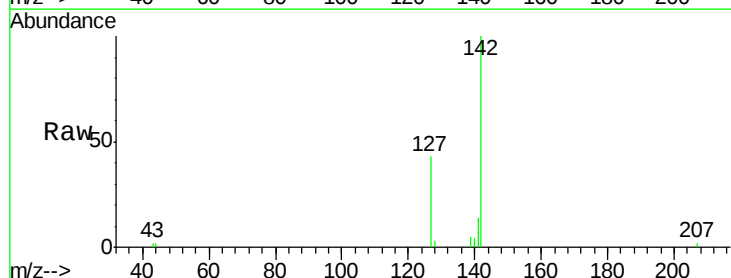
RT: 3.93 min Scan# 670

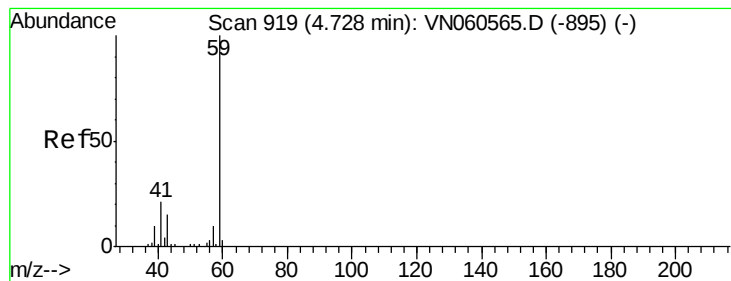
Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	142	Resp:	33154
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.5	50.3
141	13.7	11.0	16.6





#11

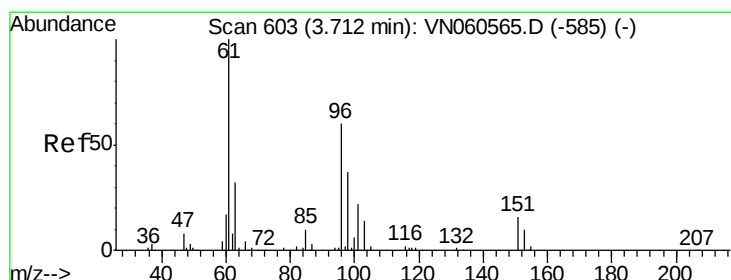
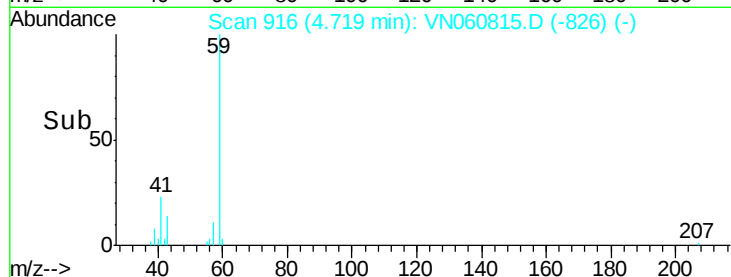
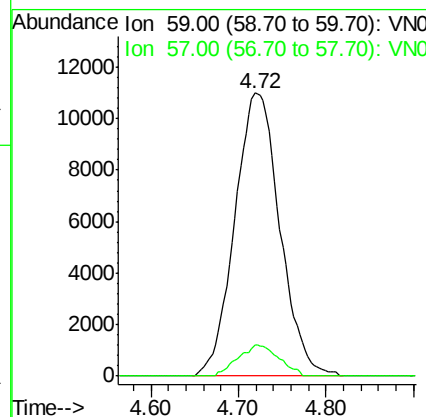
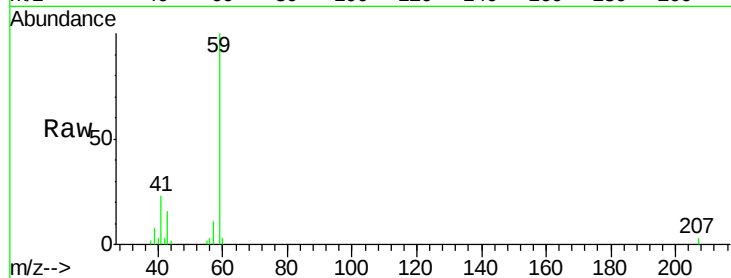
Tert butyl alcohol
Concen: 100.969 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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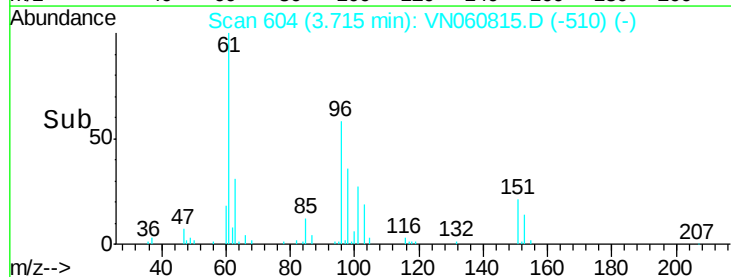
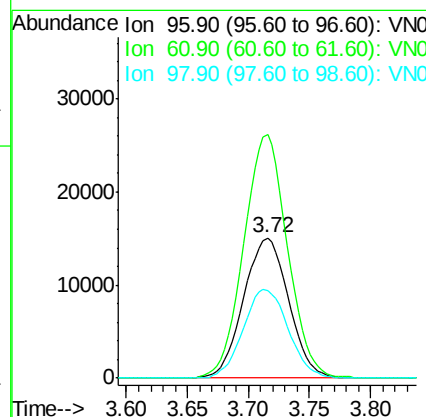
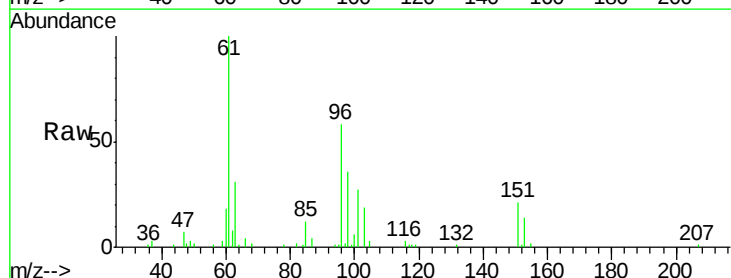
MMDadoda
4/3/2020 12:06:20 PM



#12

1,1-Dichloroethene
Concen: 18.457 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.8	134.1	201.1
98	62.2	49.9	74.9





#13

Acrolein

Concen: 72.739 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 56 Resp: 31394

Ion Ratio Lower Upper

56 100

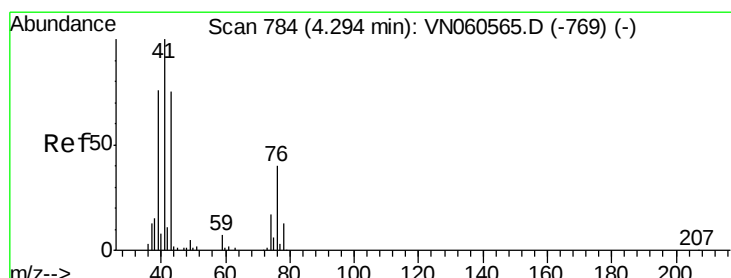
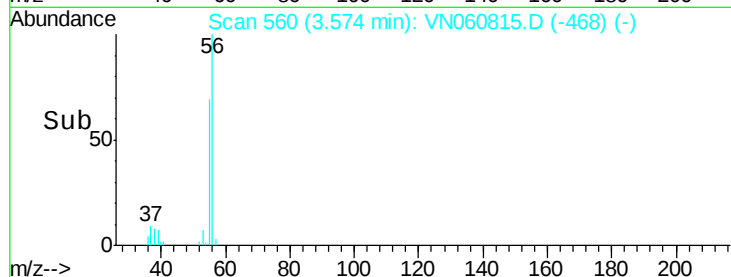
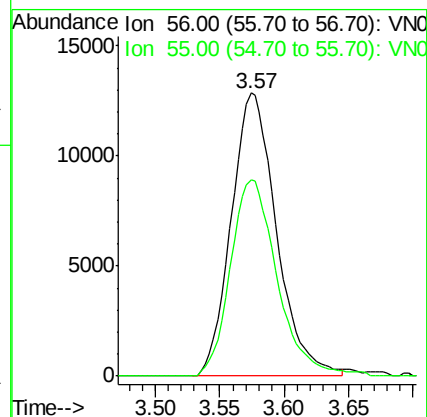
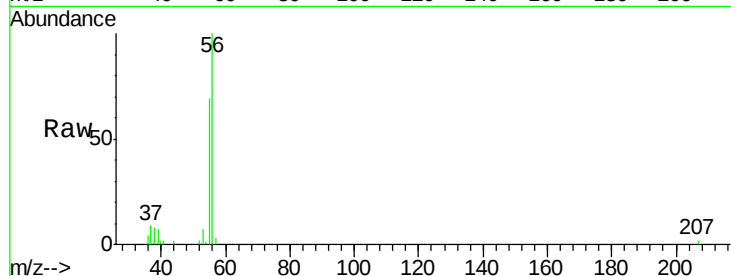
55 71.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.296 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

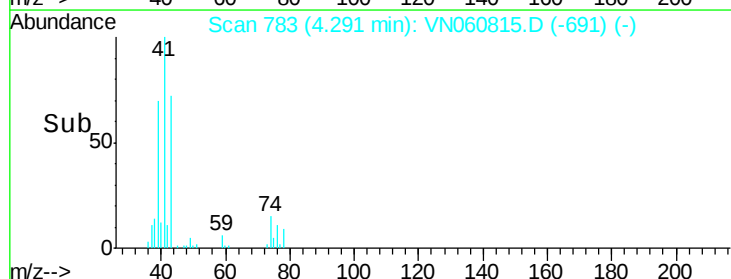
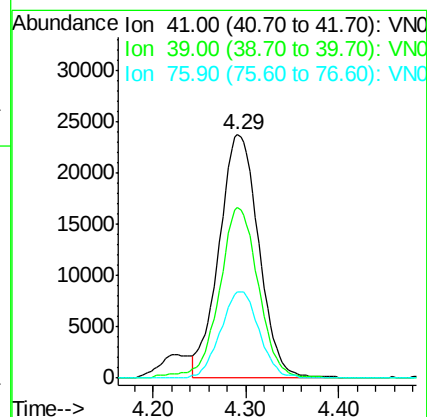
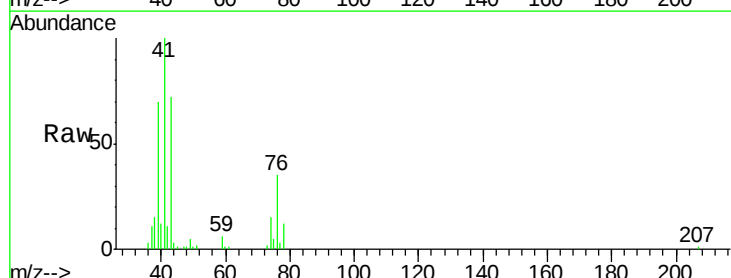
Tgt Ion: 41 Resp: 70876

Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

76 34.2 28.6 43.0





#15

Acrylonitrile

Concen: 95.526 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

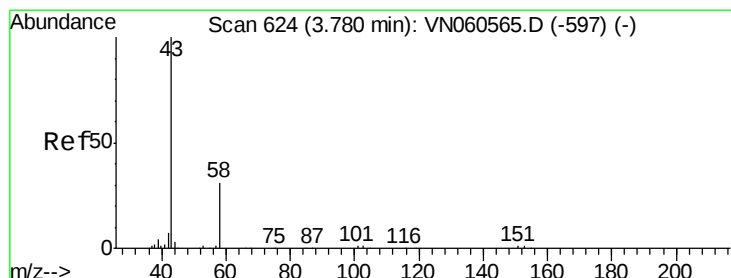
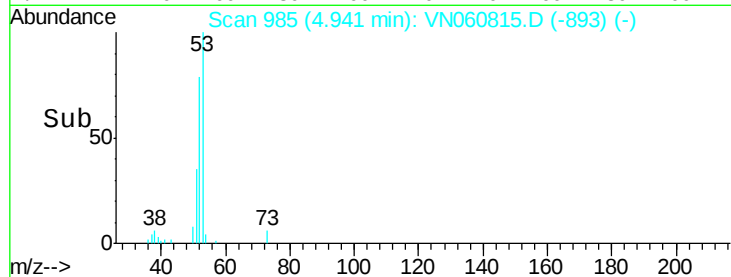
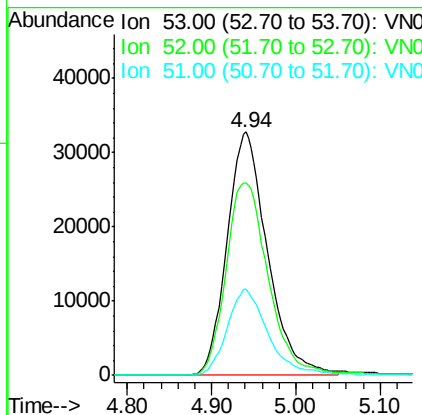
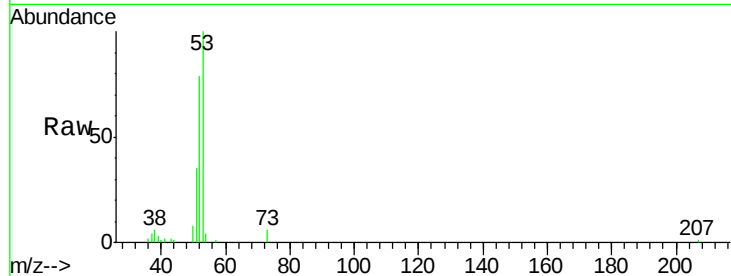
ClientSampleId :

VN0402WBS01

Tot Ion:	53	Resp:	109391
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 111.352 ug/l

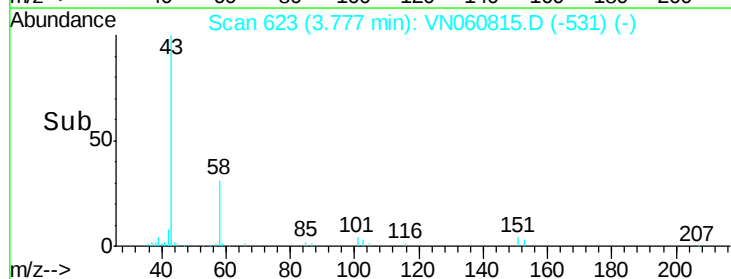
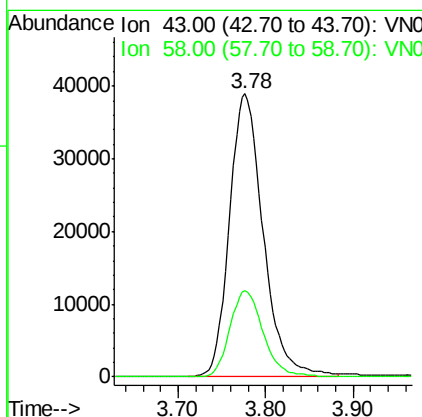
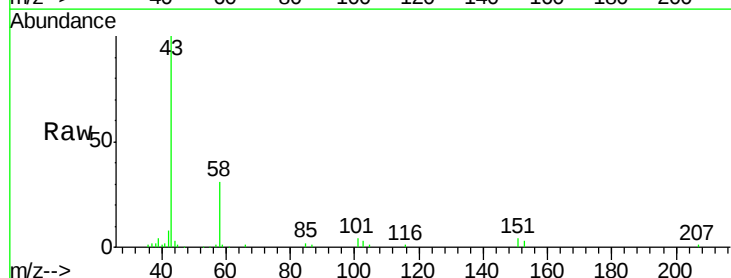
RT: 3.78 min Scan# 623

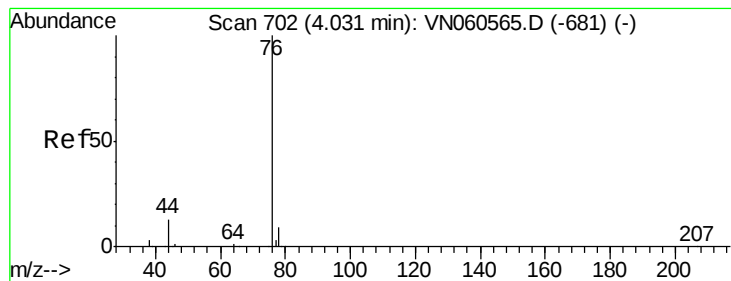
Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	43	Resp:	104443
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.1	37.7





#17

Carbon Disulfide

Concen: 16.959 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 76 Resp: 107715

Ion Ratio Lower Upper

76 100

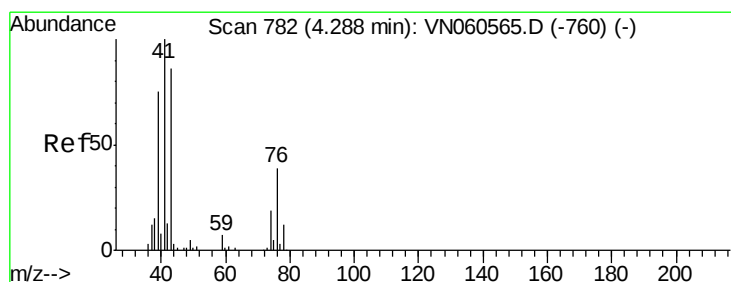
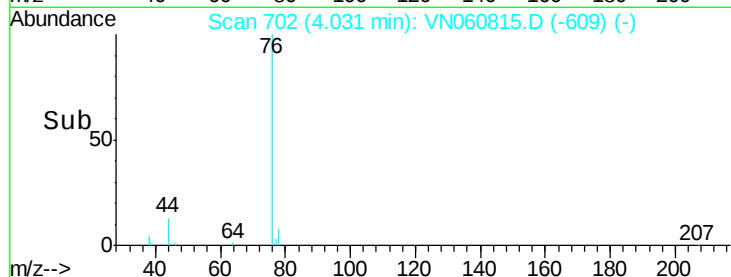
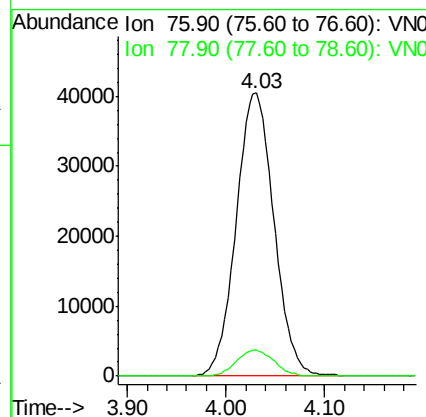
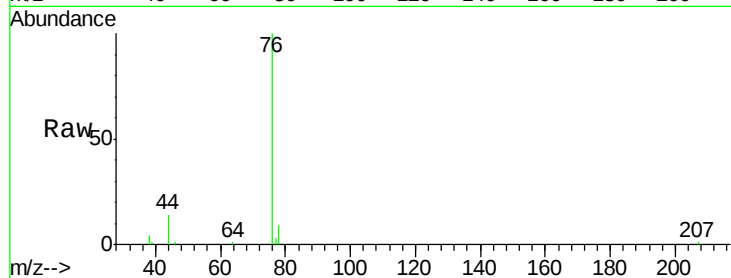
78 9.4 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 20.083 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060815.D

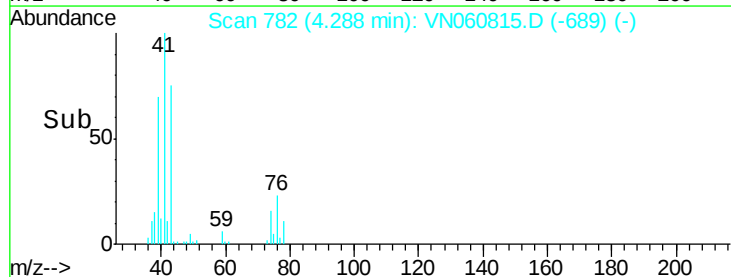
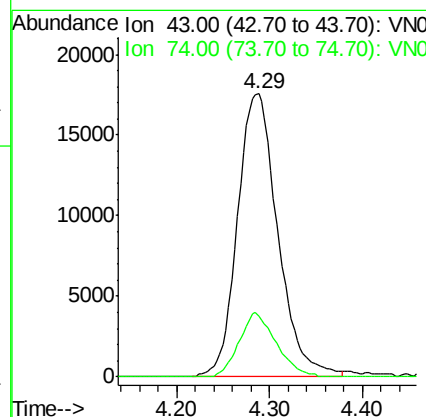
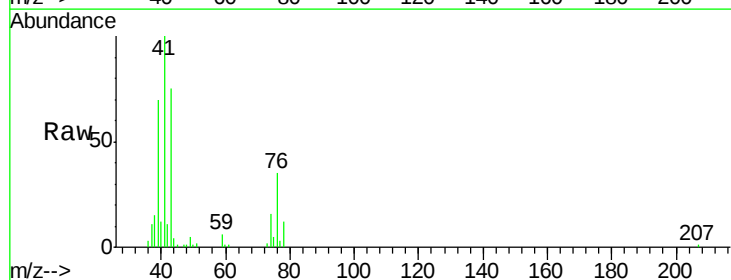
Acq: 2 Apr 2020 11:49

Tgt Ion: 43 Resp: 53021

Ion Ratio Lower Upper

43 100

74 20.7 17.5 26.3





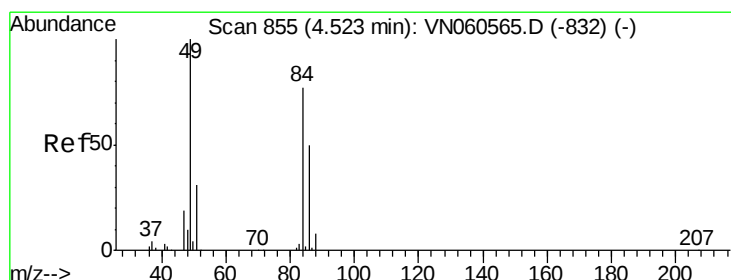
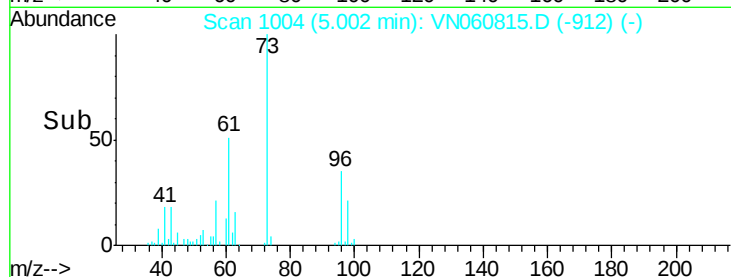
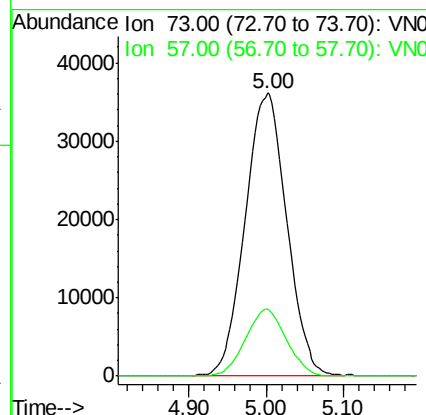
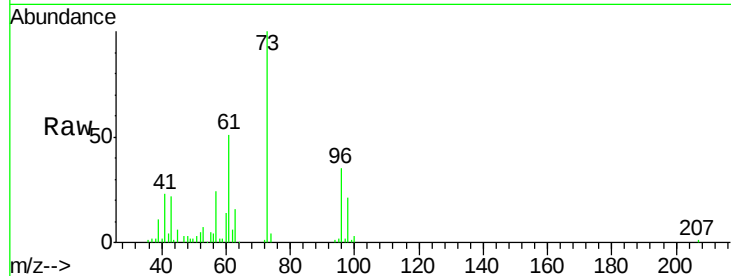
#19
Methvl tert-butvl Ether
Concen: 18.890 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion: 73 Resp: 135635
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3

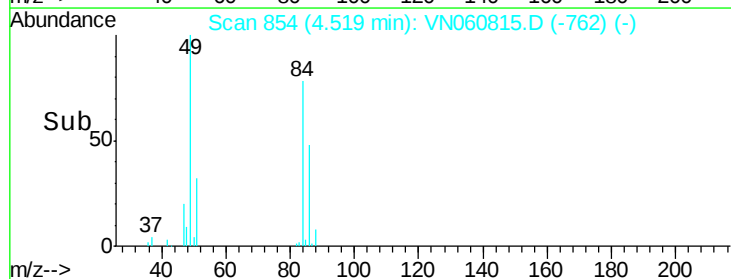
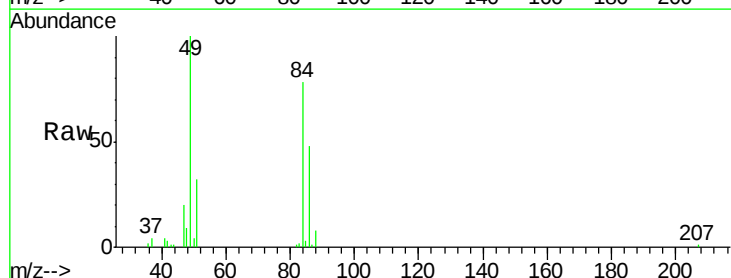
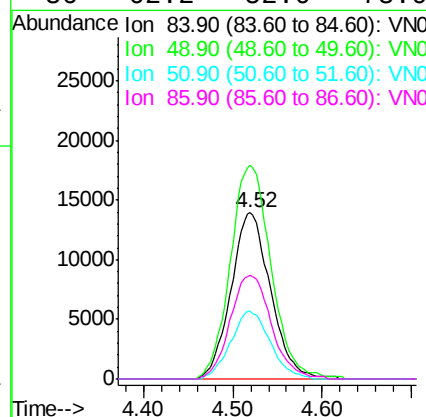
Manual Integrations
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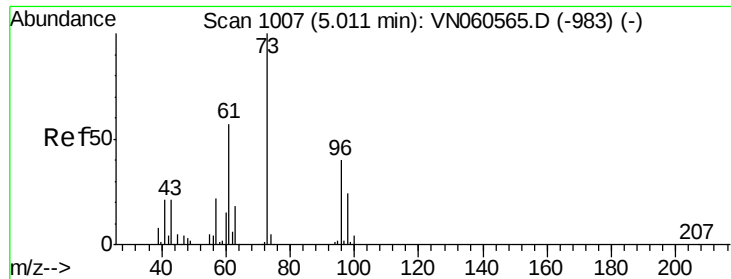
MMDadoda
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#20
Methylene Chloride
Concen: 18.608 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 84 Resp: 42934
Ion Ratio Lower Upper
84 100
49 128.7 103.3 154.9
51 40.6 31.6 47.4
86 62.2 52.0 78.0





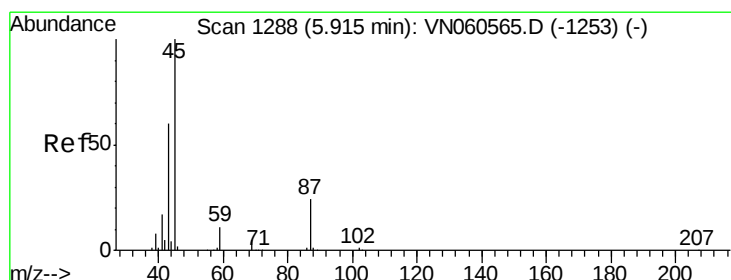
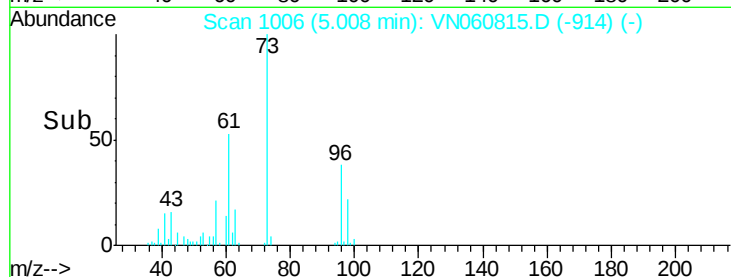
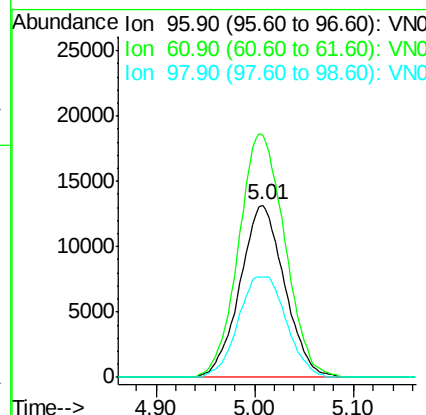
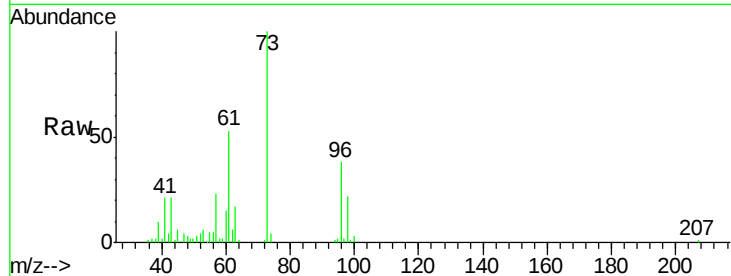
#21
trans-1,2-Dichloroethene
Concen: 18.559 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	114.4	171.6
98	58.1	48.4	72.6

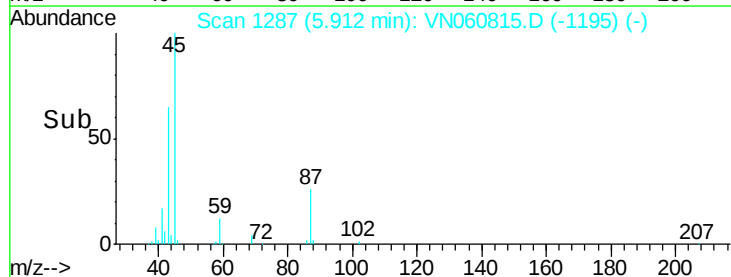
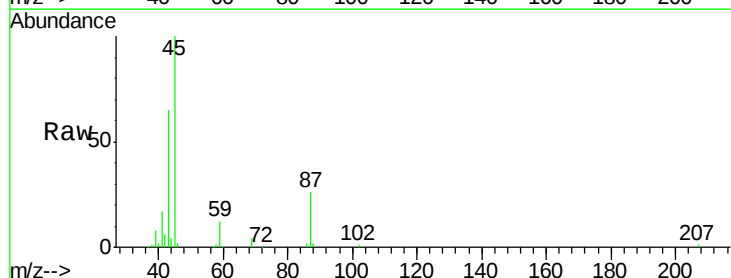
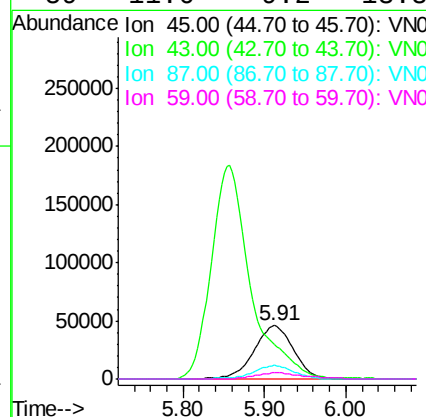
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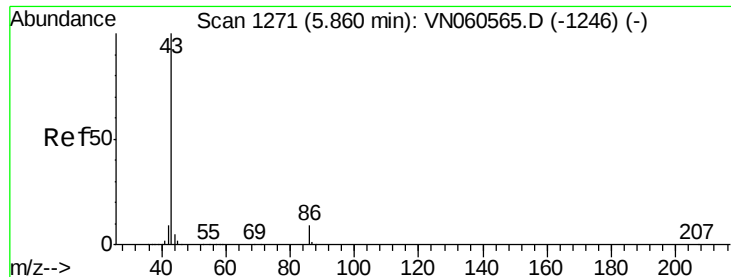
MMDadoda
4/3/2020 12:06:20 PM



#22
Diisopropyl ether
Concen: 19.797 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	49.8	74.8
87	25.9	20.1	30.1
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 98.477 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 43 Resp: 623505

Ion Ratio Lower Upper

43 100

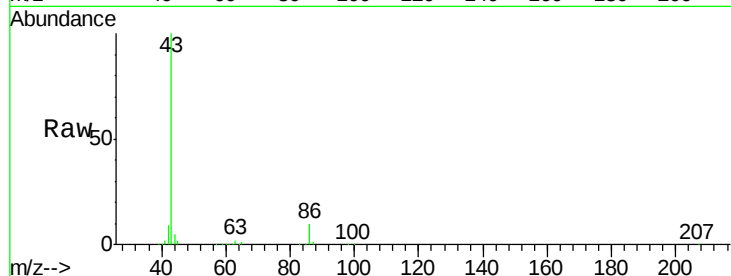
86 9.5 7.6 11.4

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

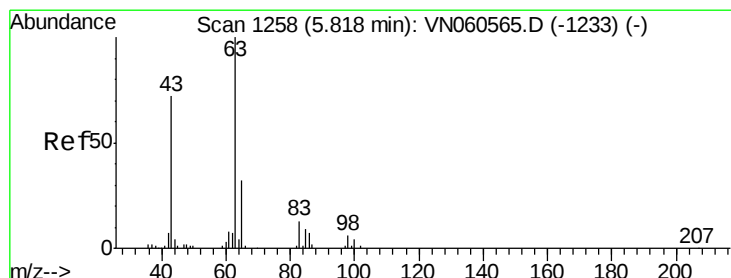
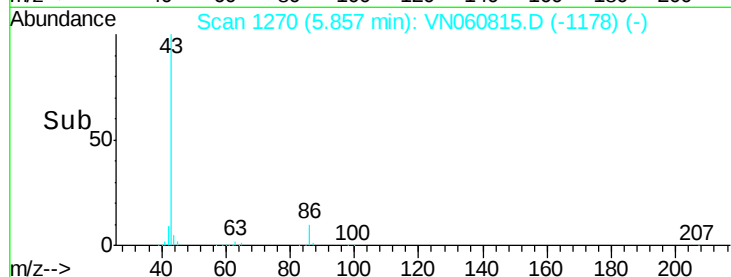
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.615 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

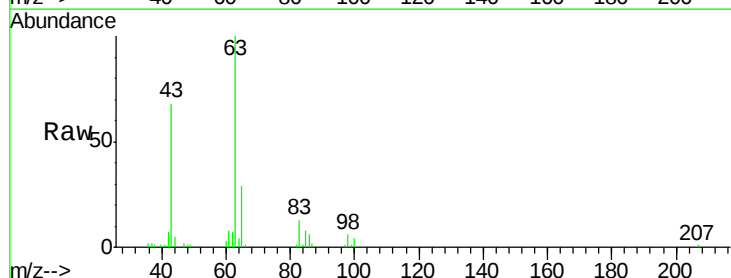
Tgt Ion: 63 Resp: 82979

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 3.8 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

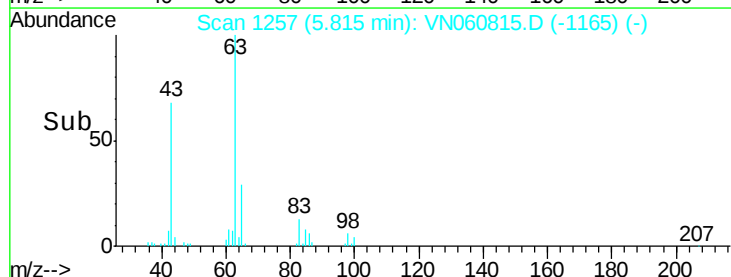
30000

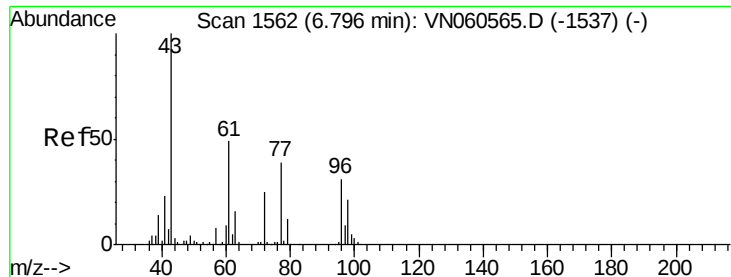
20000

10000

0

Time-->





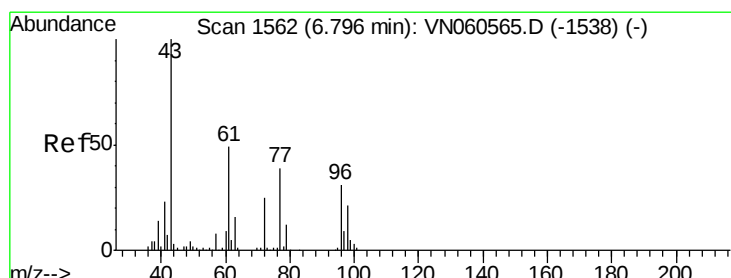
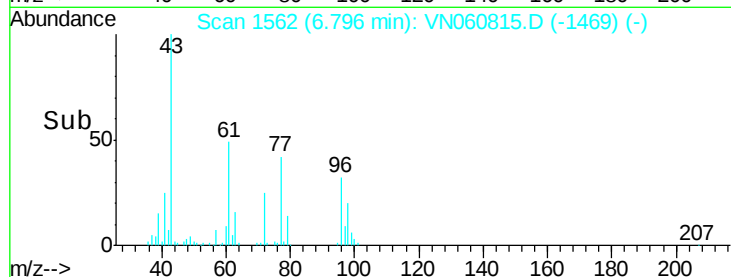
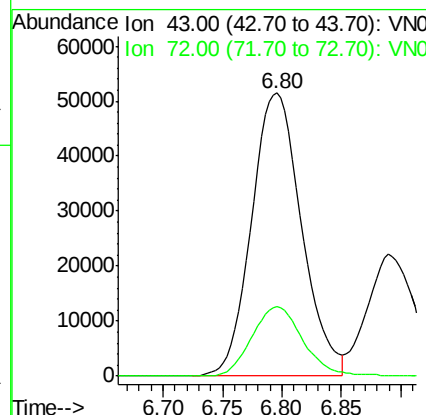
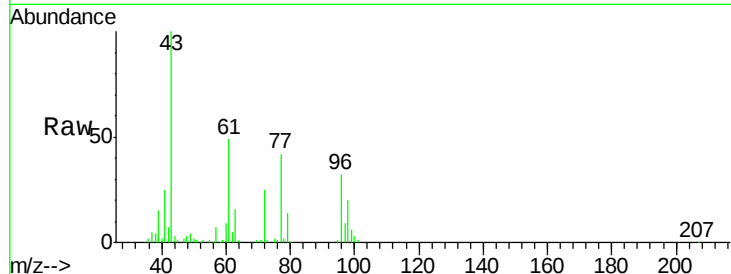
#25
2-Butanone
Concen: 98.804 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion: 43 Resp: 149961
Ion Ratio Lower Upper
43 100
72 24.7 20.4 30.6

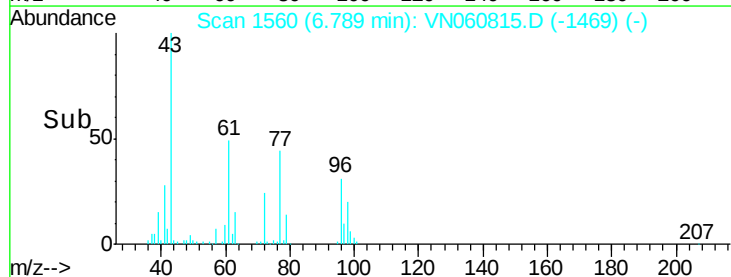
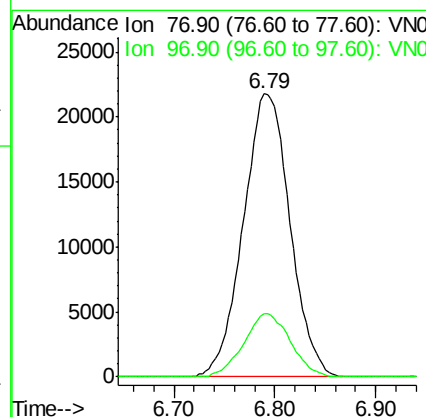
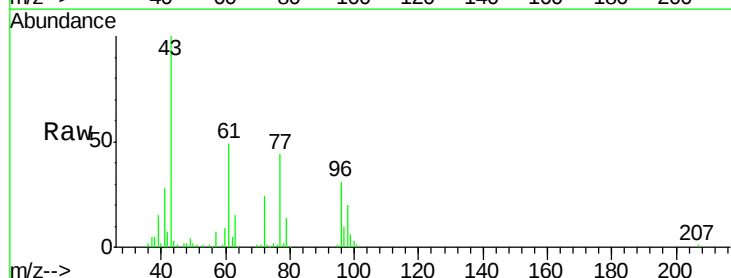
Manual Integrations
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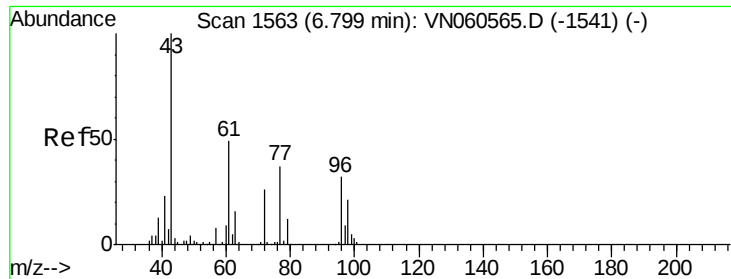
MMDadoda
4/3/2020 12:06:20 PM



#26
2,2-Dichloropropane
Concen: 20.992 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion: 77 Resp: 69869
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.1





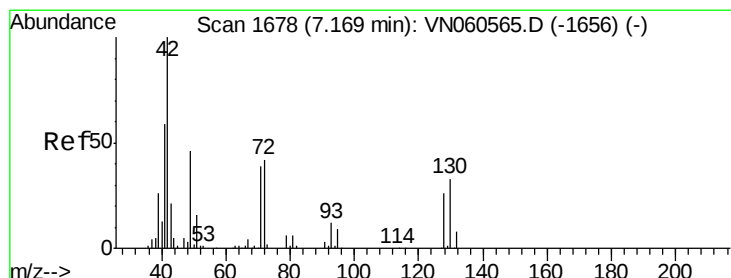
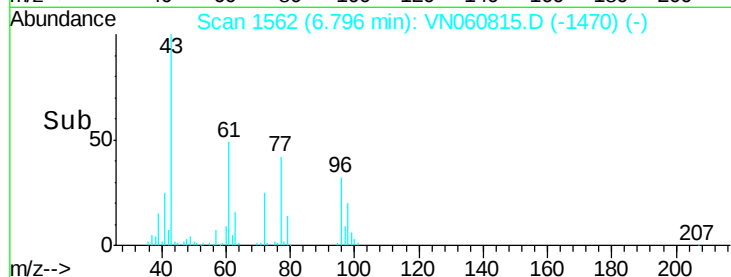
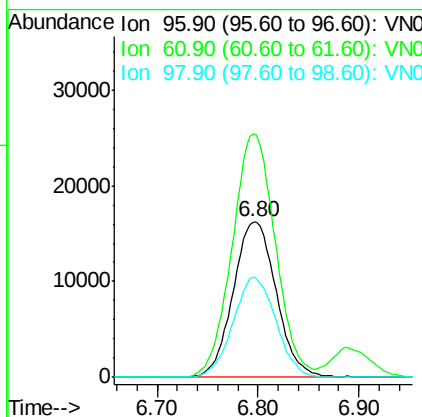
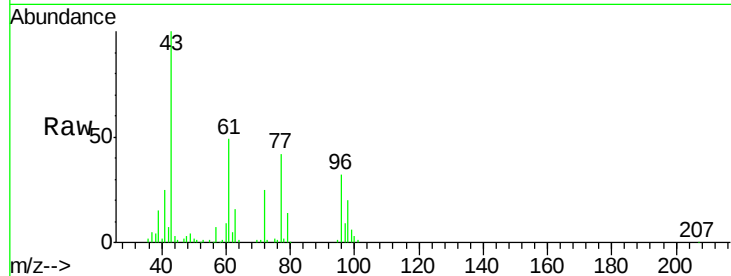
#27
 cis-1,2-Dichloroethene
 Concen: 19.014 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	305.6
98	63.8	0.0	127.6

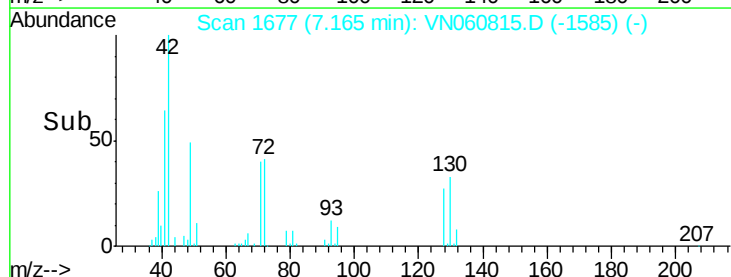
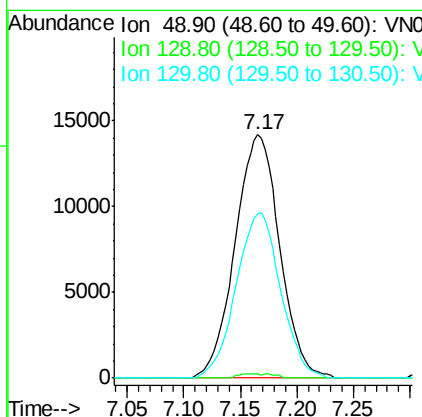
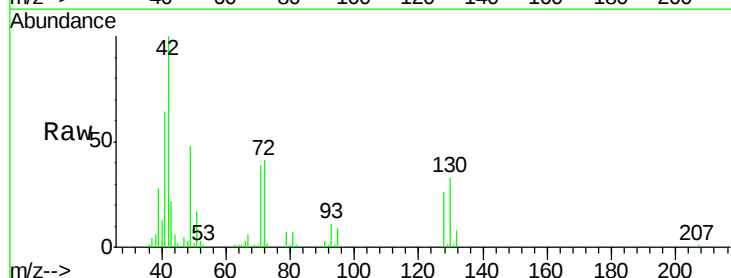
Manual Integrations
 APPROVED

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#28
 Bromochloromethane
 Concen: 19.249 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	67.6	55.0	82.4





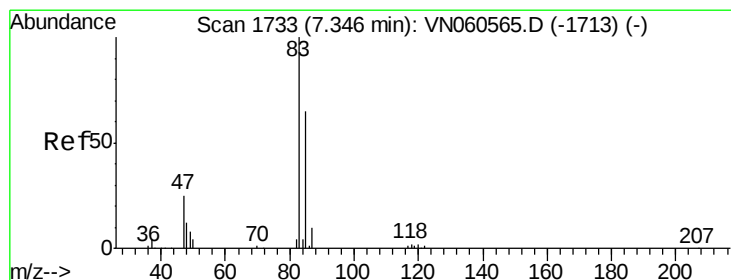
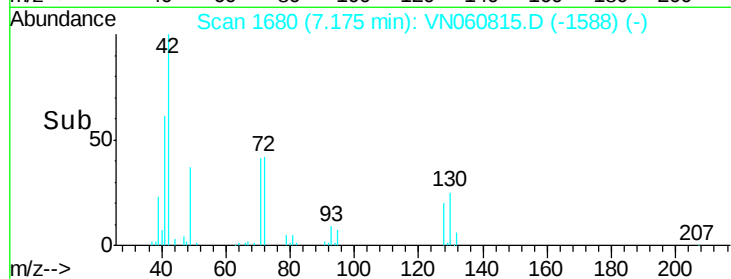
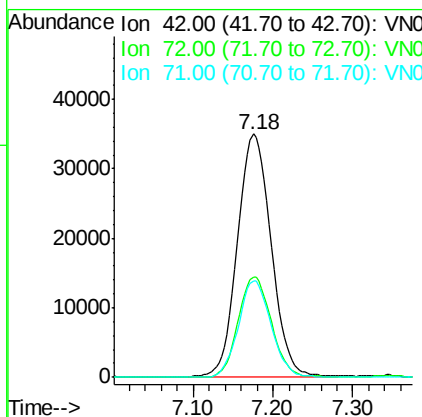
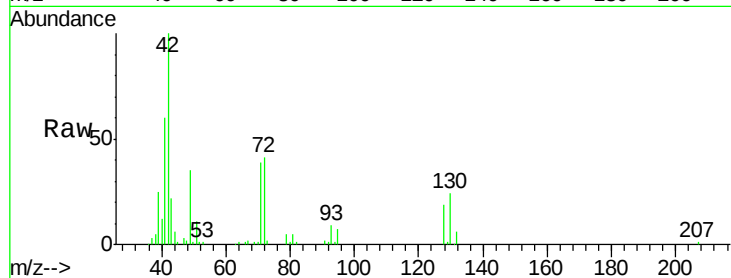
#29
Tetrahydrofuran
Concen: 93.647 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.2	49.8
71	38.0	31.1	46.7

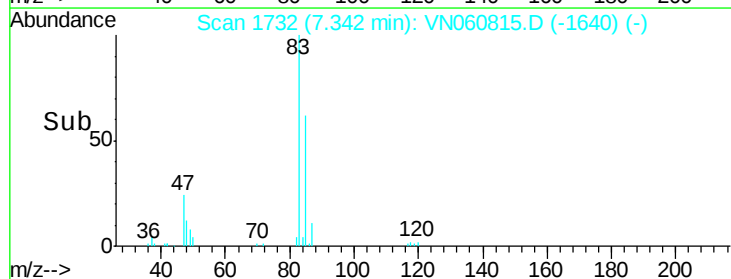
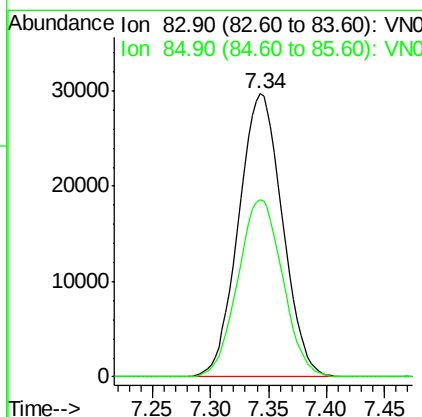
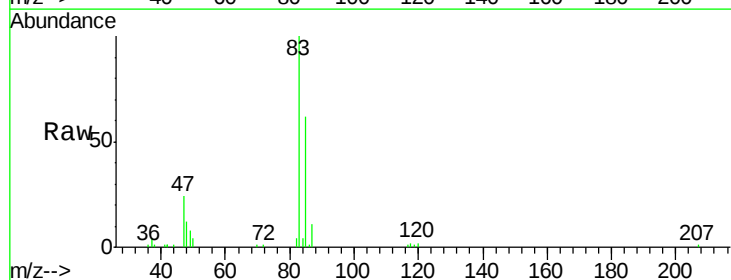
Manual Integrations
APPROVED

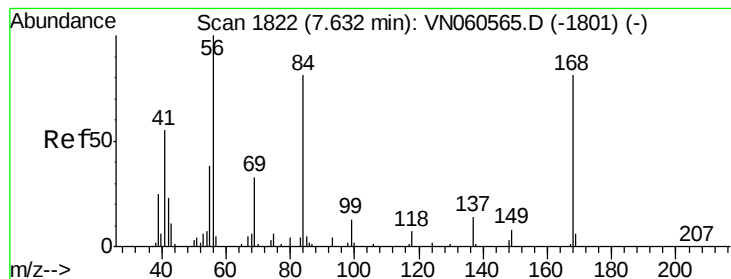
MMDadoda
4/3/2020 12:06:20 PM



#30
Chloroform
Concen: 19.252 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8





#31

Cvclohexane

Concen: 18.578 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

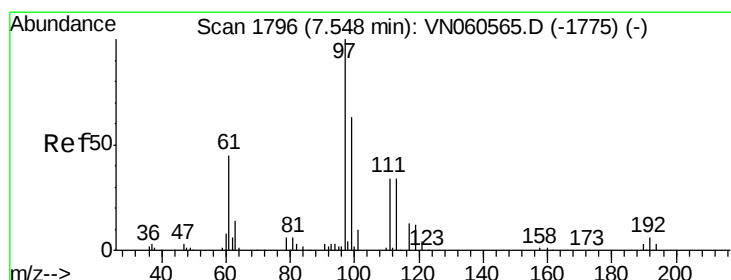
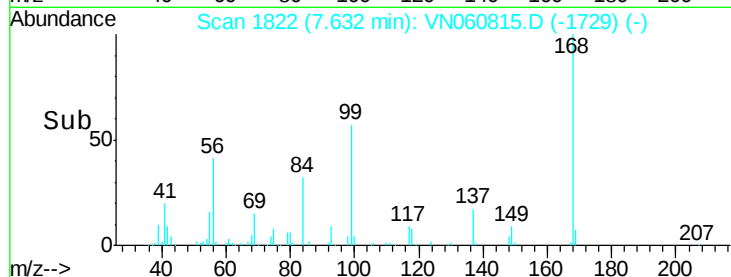
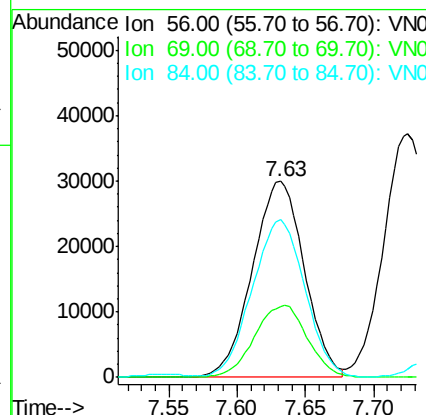
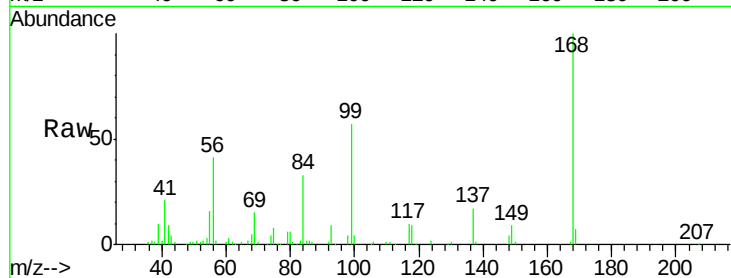
ClientSampleId :

VN0402WBS01

Tot Ion:	56	Resp:	79231
Ion Ratio	Lower	Upper	
56	100		
69	35.8	26.6	40.0
84	79.4	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.945 ug/l

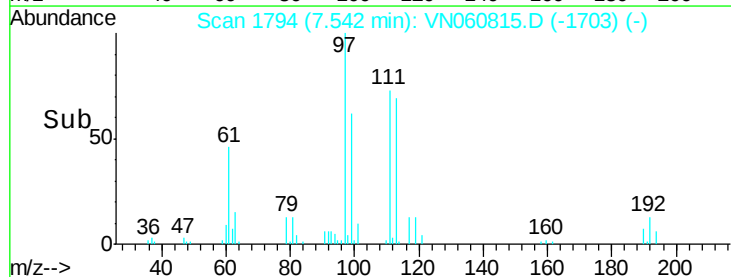
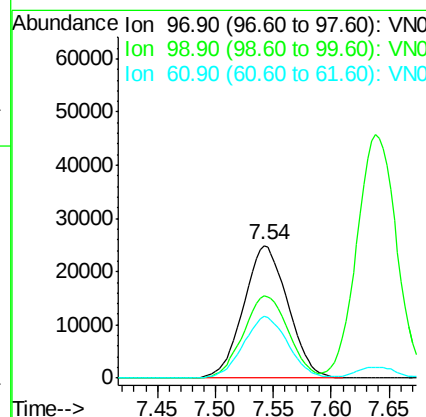
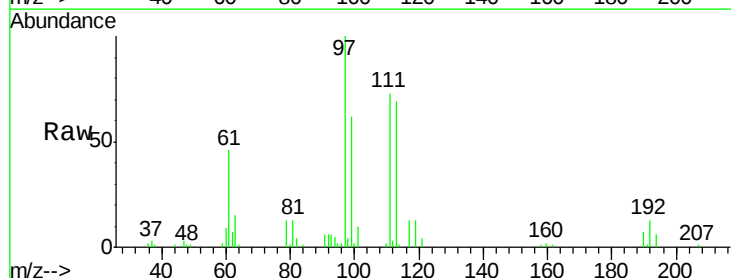
RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	97	Resp:	66232
Ion Ratio	Lower	Upper	
97	100		
99	63.3	50.6	75.8
61	46.5	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 48.953 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 65 Resp: 129623

Ion Ratio Lower Upper

65 100

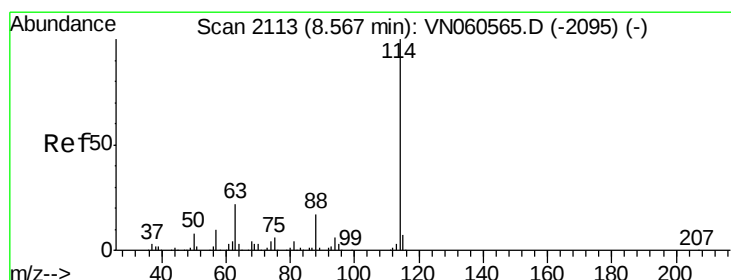
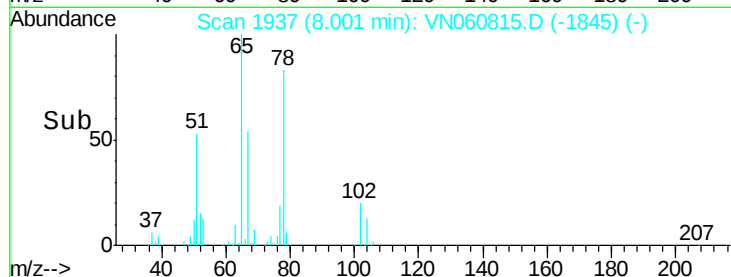
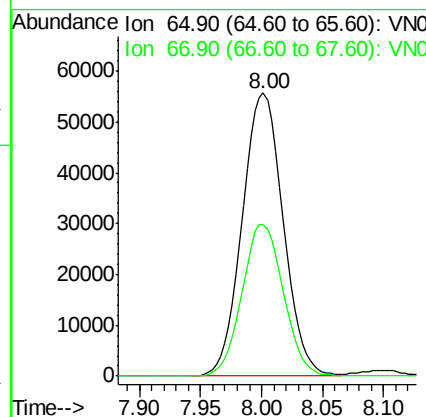
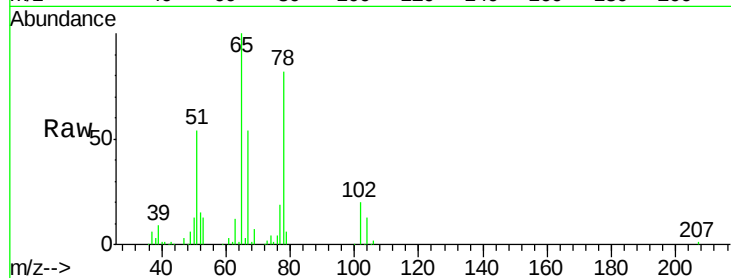
67 54.0 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

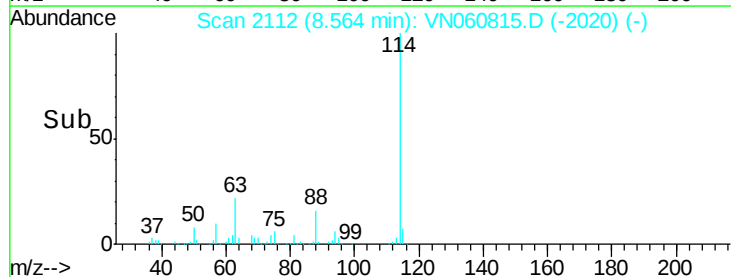
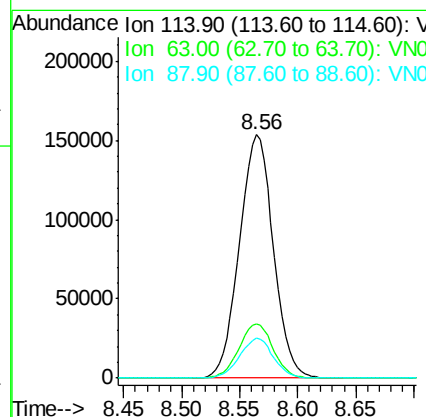
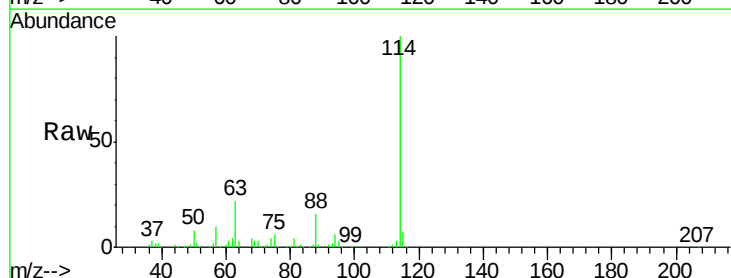
Tgt Ion: 114 Resp: 312477

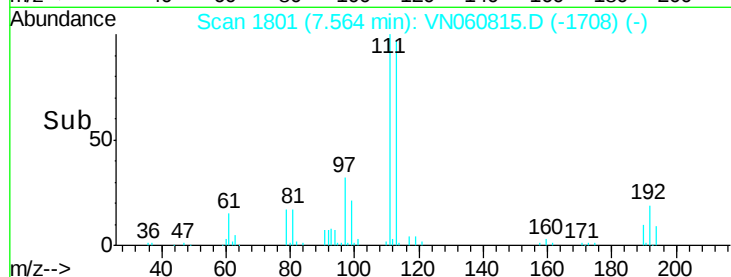
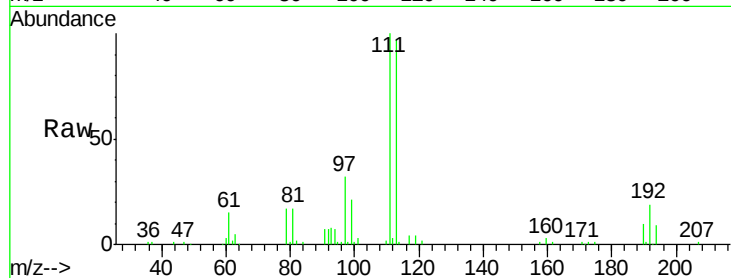
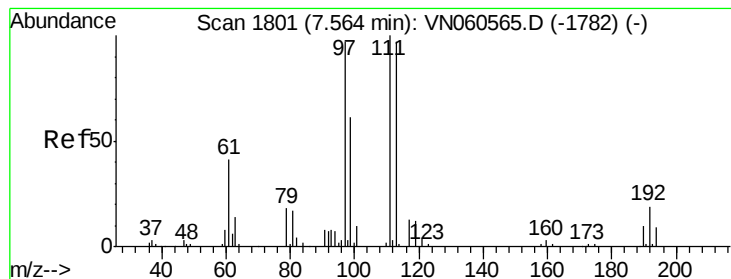
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.383 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tot Ion	Ratio	Resp	Lower	Upper
113	100	97086		
111	103.5	82.9	124.3	
192	19.7	15.8	23.8	

Instrument :

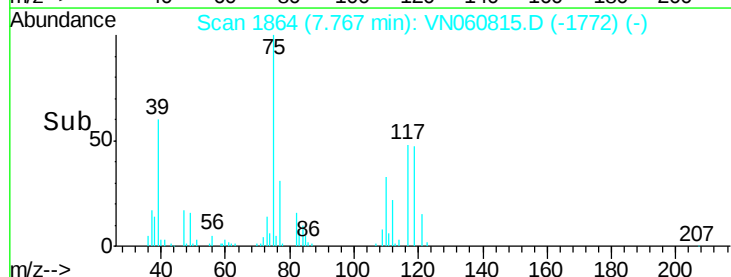
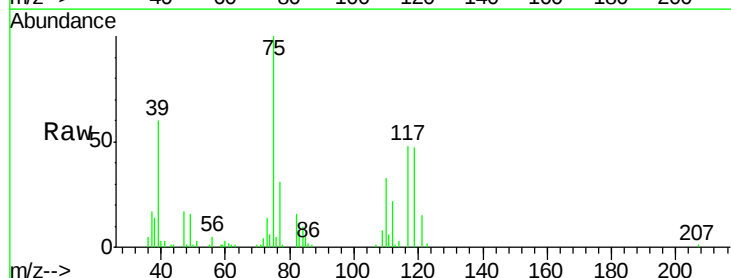
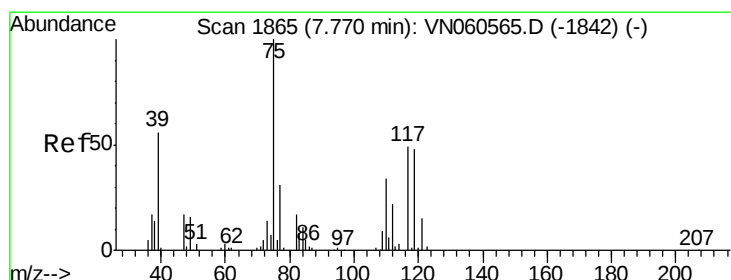
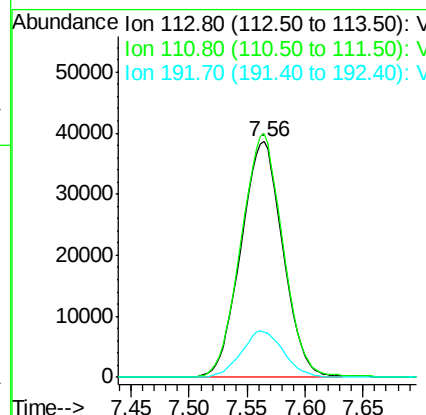
MSVOA_N

ClientSampled :

VN0402WBS01

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#36

1,1-Dichloropropene

Concen: 19.854 ug/l

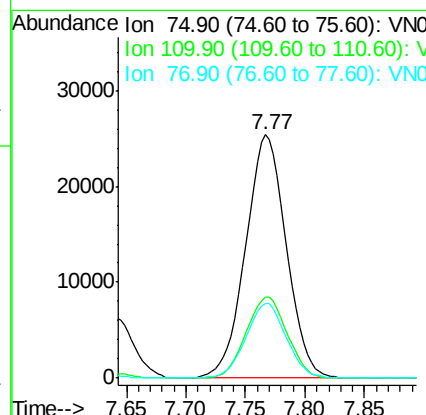
RT: 7.77 min Scan# 1864

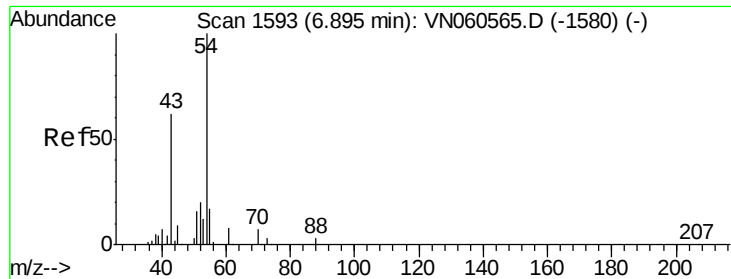
Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60073		
110	33.5	16.9	50.6	
77	30.4	24.6	36.8	





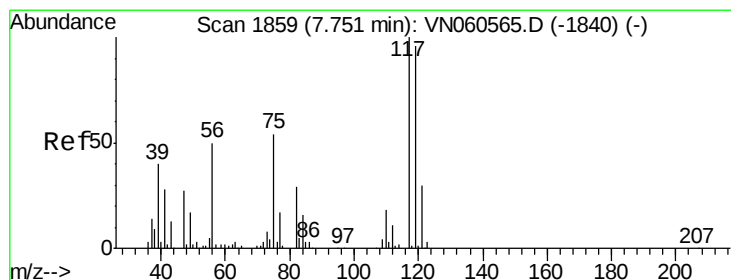
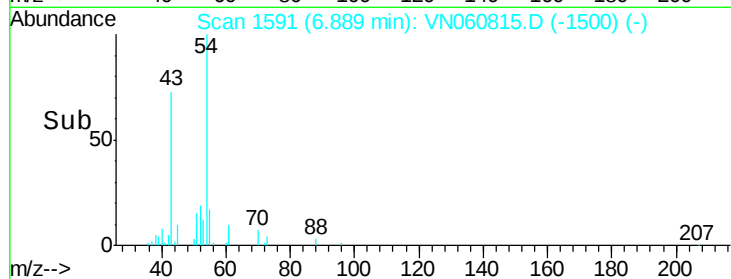
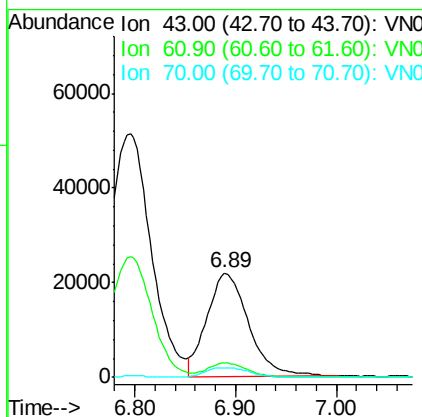
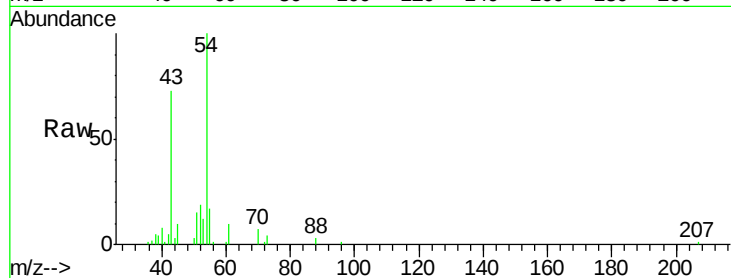
#37
Ethyl Acetate
Concen: 19.127 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.7	7.9	11.9

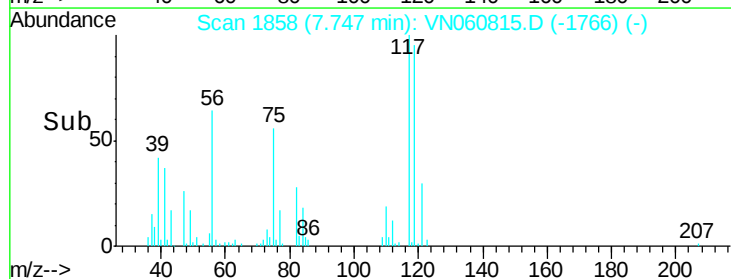
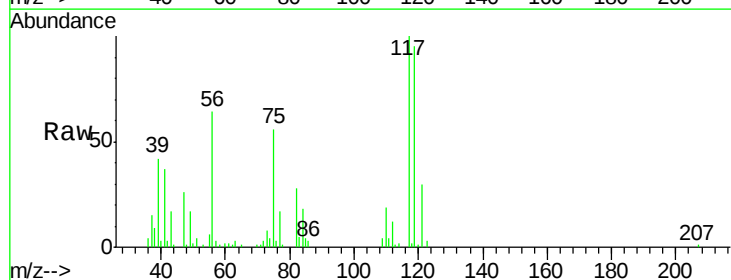
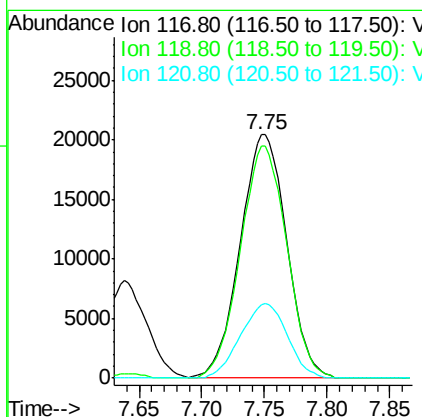
Manual Integrations
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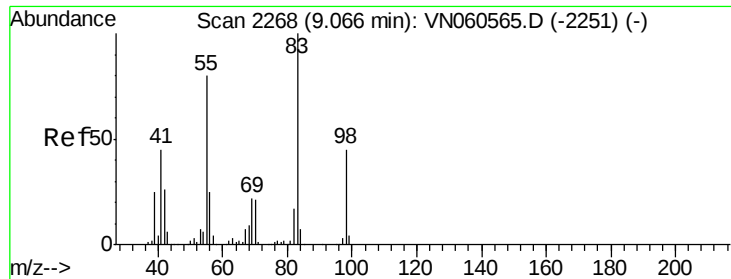
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.444 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	114.2
121	30.0	23.7	35.5





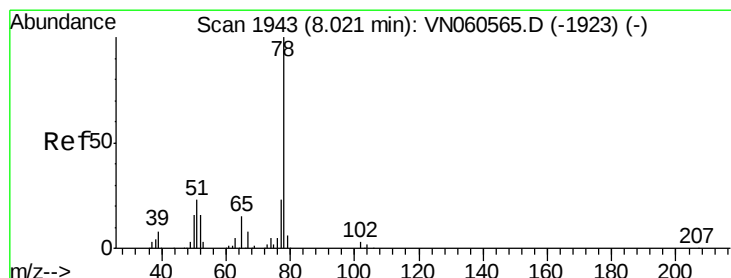
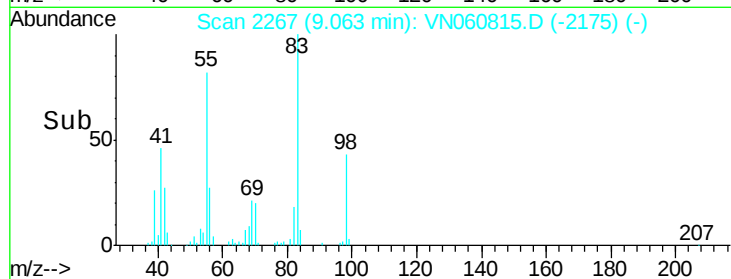
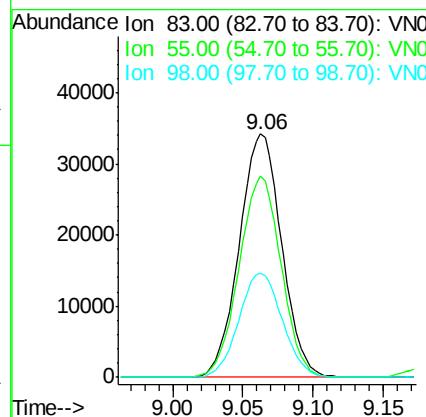
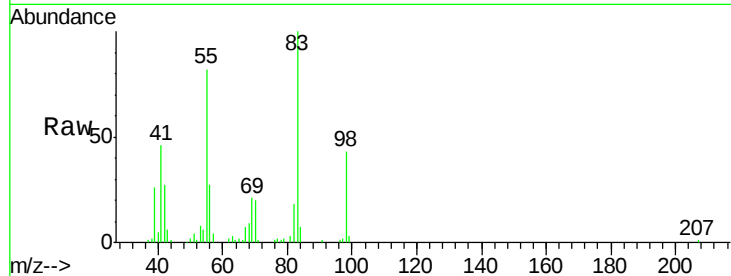
#39
Methvlcvclohexane
Concen: 19.981 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.6	95.4
98	42.8	36.0	54.0

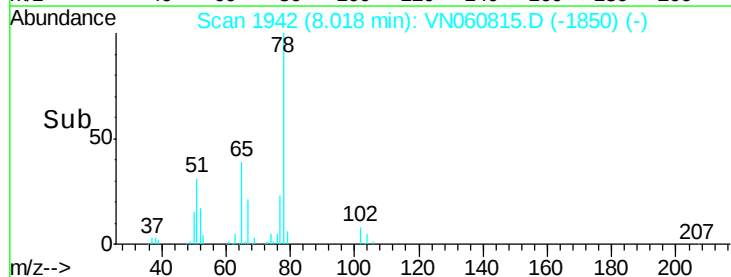
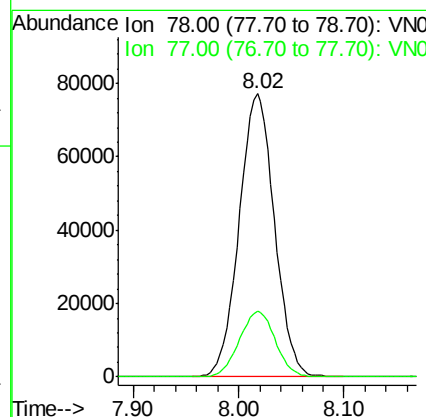
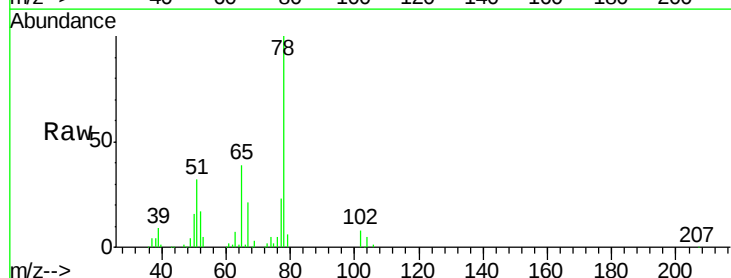
Manual Integrations
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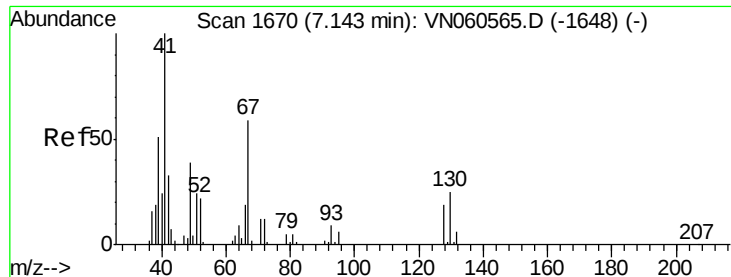
MMDadoda
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#40
Benzene
Concen: 19.624 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





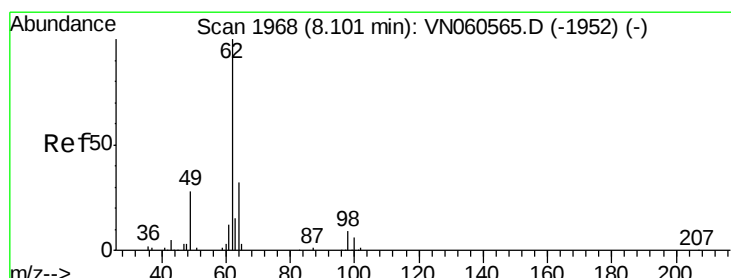
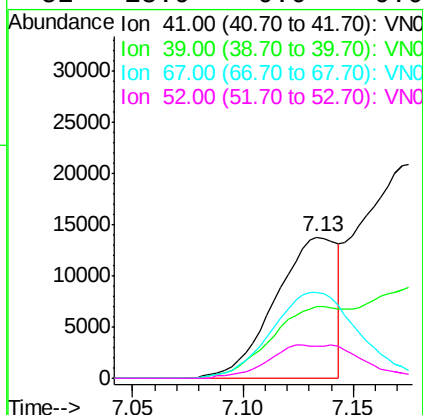
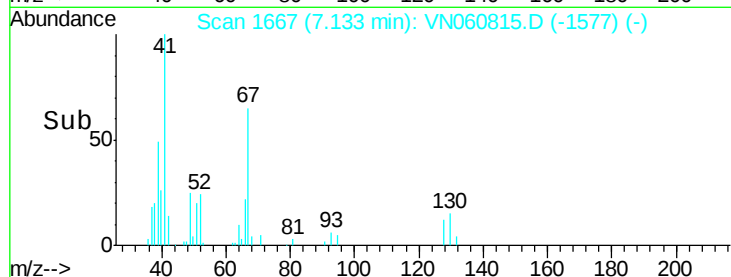
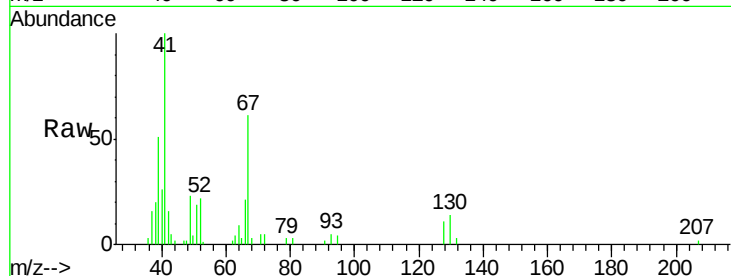
#41
Methacrylonitrile
Concen: 19.353 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	63.4	0.0	0.0#		
67	86.7	0.0	0.0#		
52	18.9	0.0	0.0#		

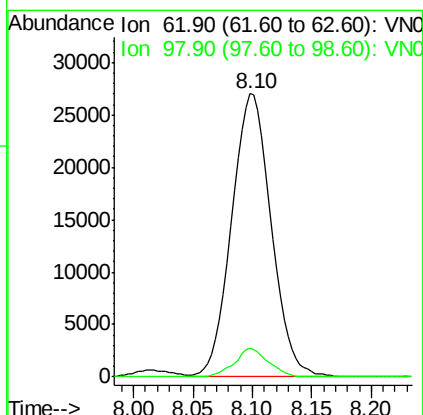
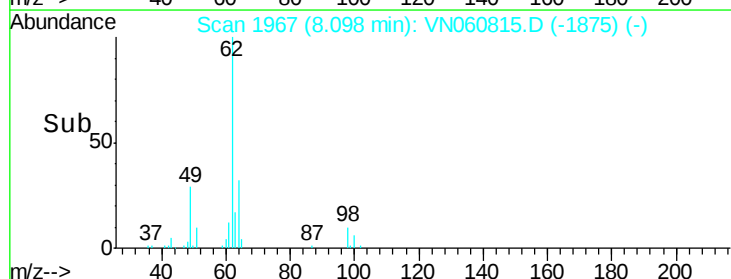
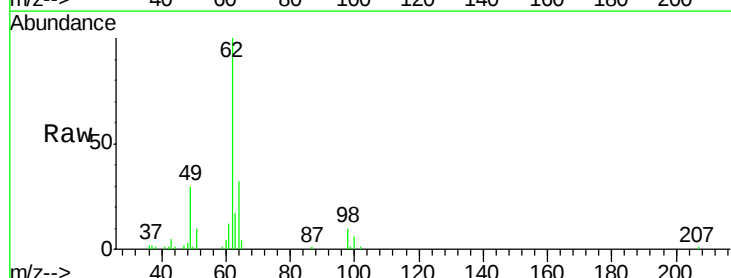
Manual Integrations
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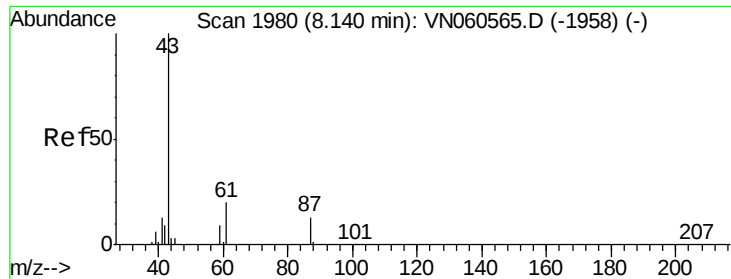
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.952 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	17.8		





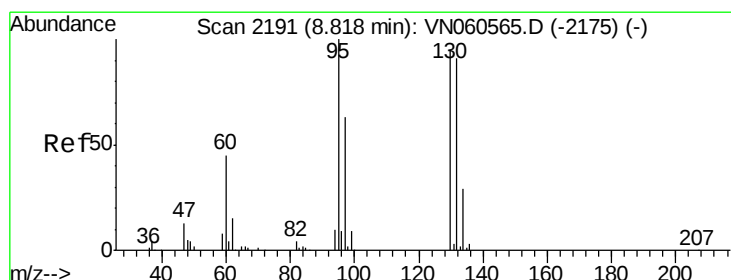
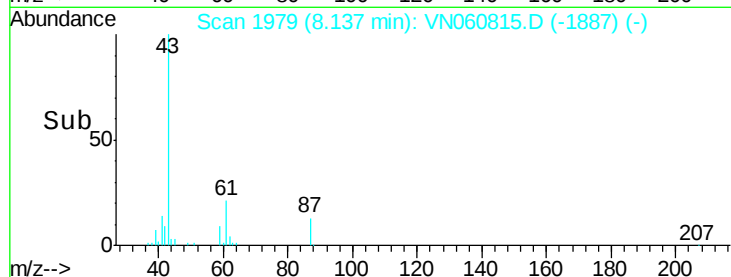
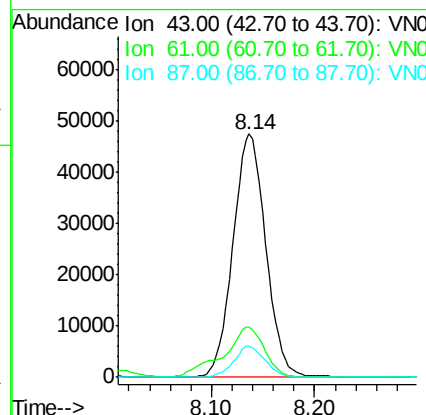
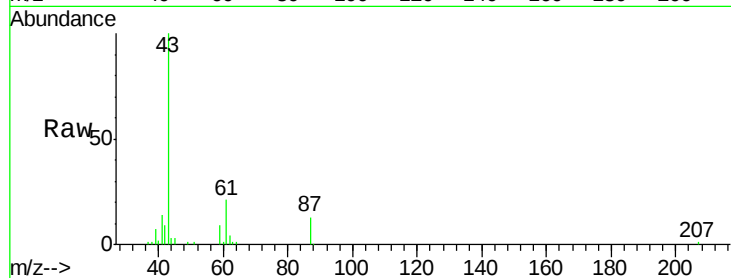
#43
Isopropyl Acetate
Concen: 19.548 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.0	9.8	14.8

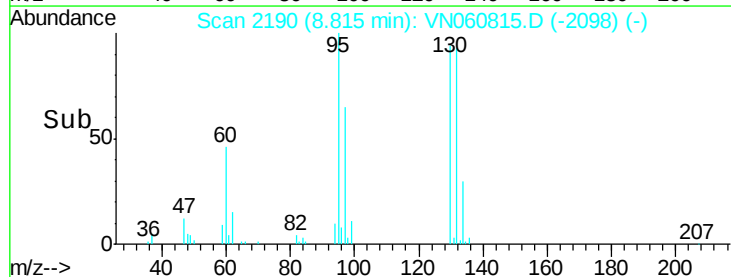
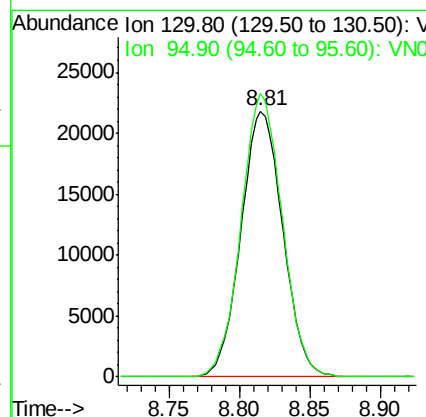
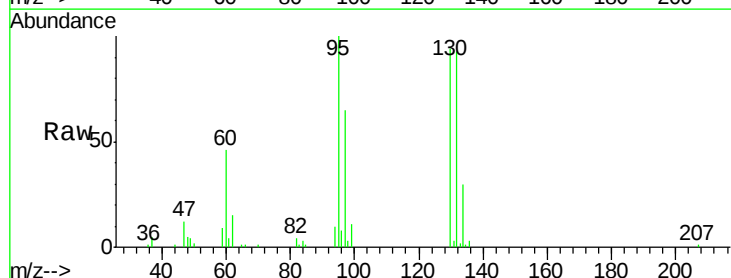
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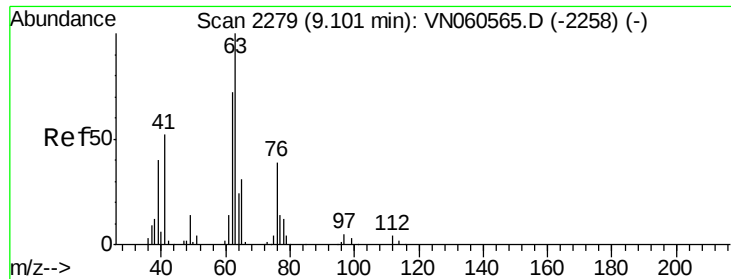
MMDadoda
4/3/2020 12:06:20 PM



#44
Trichloroethene
Concen: 19.662 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	211.2





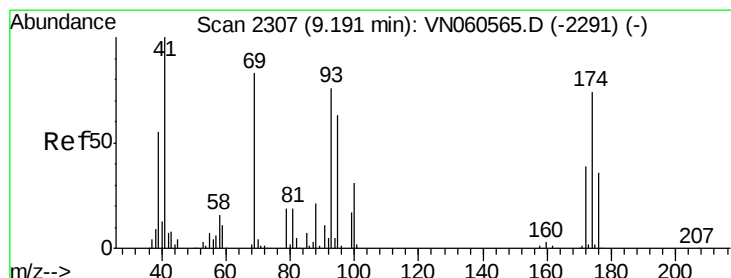
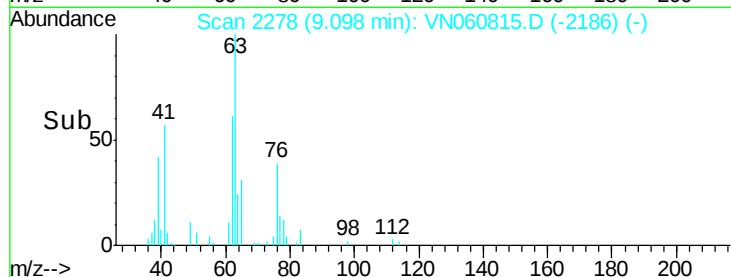
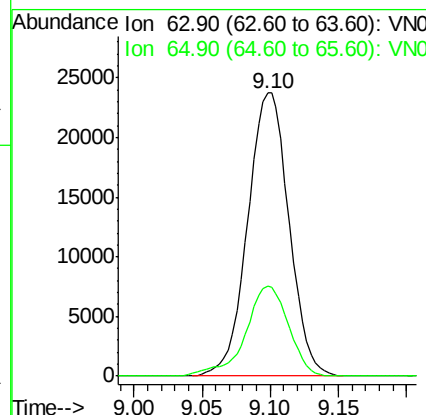
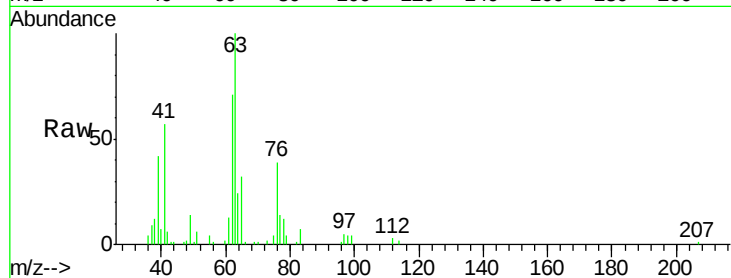
#45
 1,2-Dichloropropane
 Concen: 20.674 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion: 63 Resp: 49828
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0

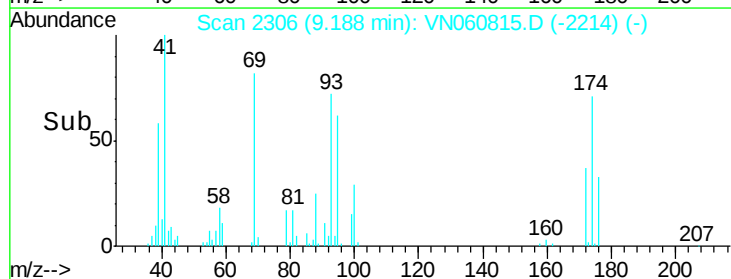
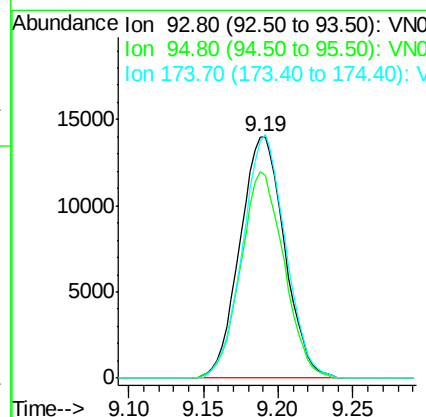
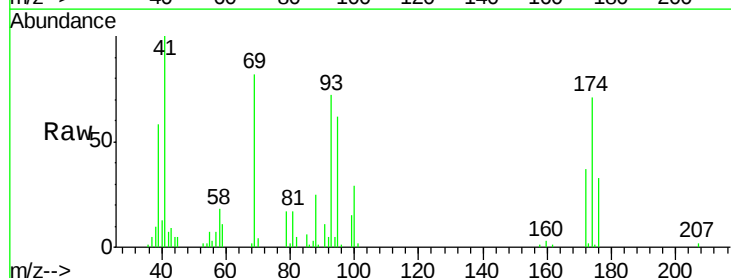
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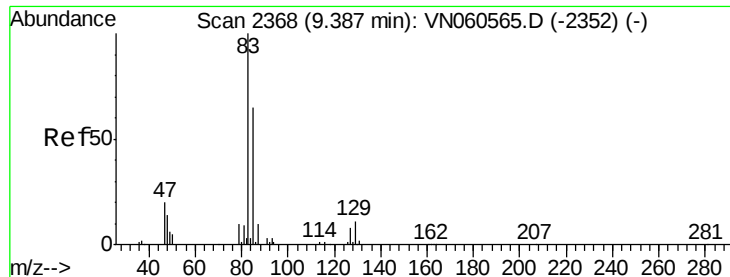
MMDadoda
 4/3/2020 12:06:20 PM



#46
 Dibromomethane
 Concen: 19.953 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 93 Resp: 29074
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 96.8 77.9 116.9





#47

Bromodichloromethane

Concen: 20.061 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

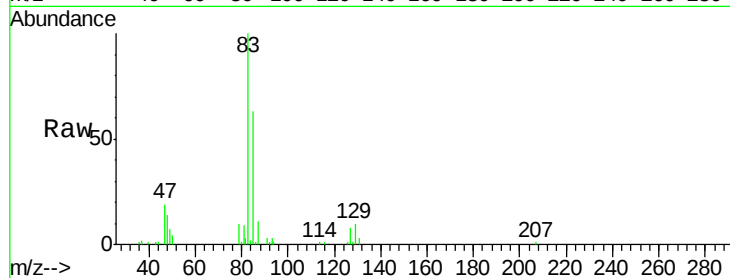
ClientSampleId :

VN0402WBS01

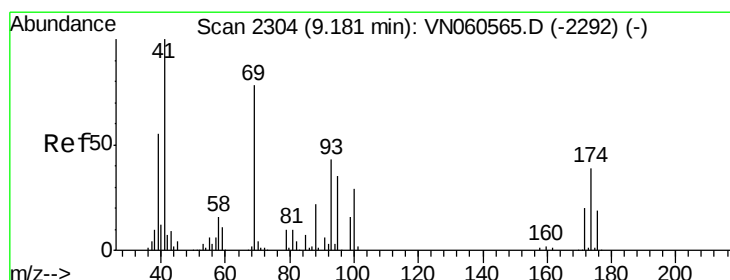
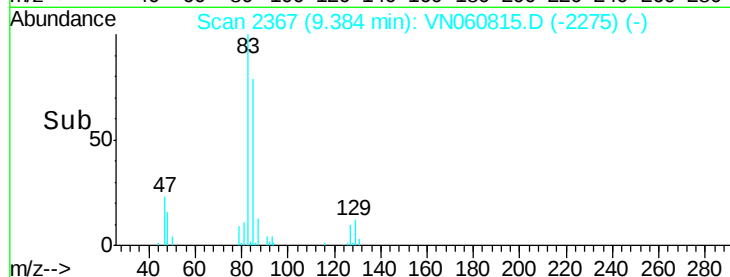
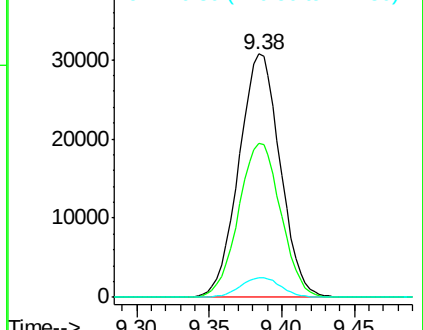
Tot Ion:	83	Resp:	60743
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	8.0	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VN060815.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.829 ug/l

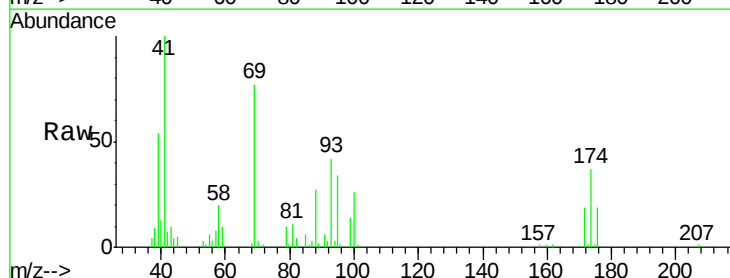
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

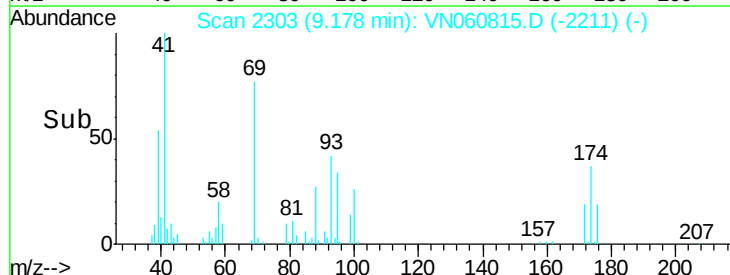
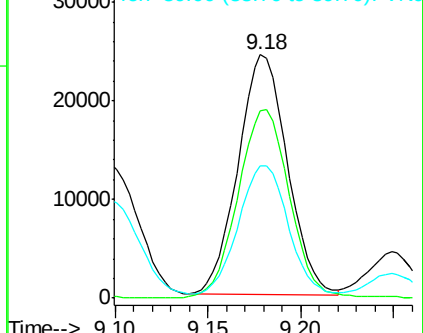
Lab File: VN060815.D

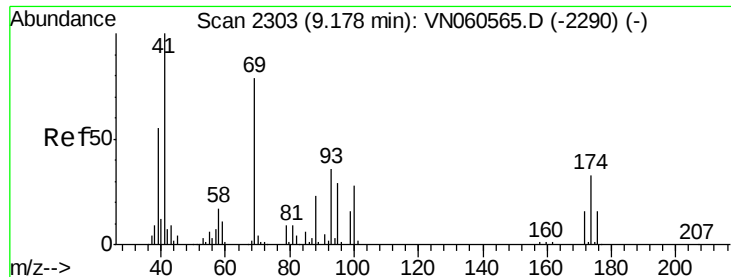
Acq: 2 Apr 2020 11:49

Tgt Ion:	41	Resp:	45201
Ion	Ratio	Lower	Upper
41	100		
69	81.6	65.4	98.0
39	53.8	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060815.D (-2211) (-)





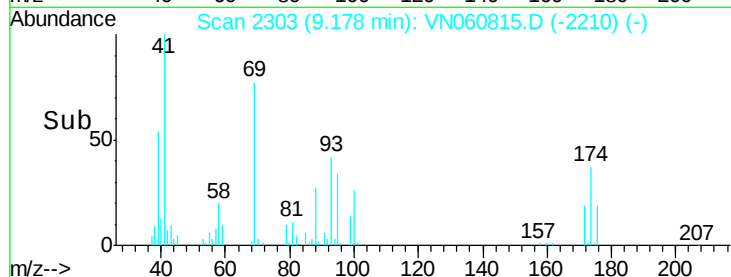
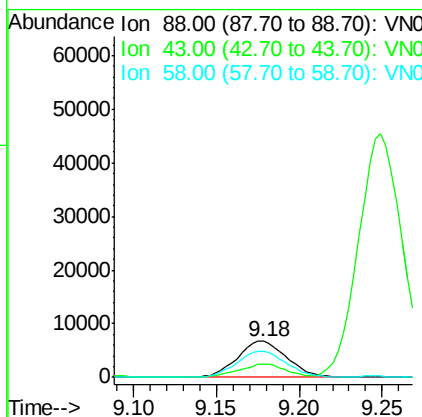
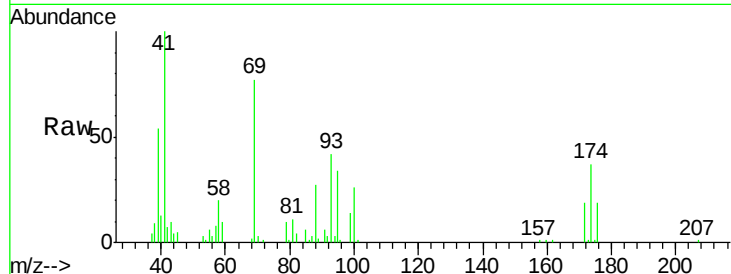
#49
1,4-Dioxane
Concen: 483.424 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	30.8	46.2
58	73.6	59.8	89.8

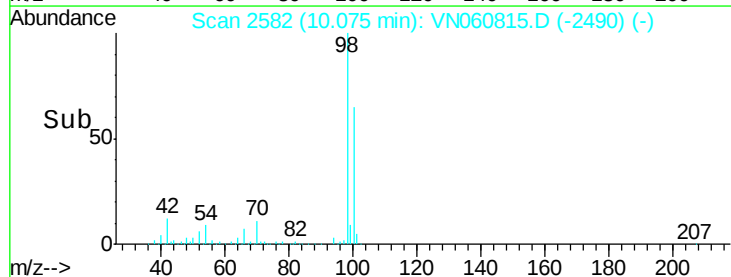
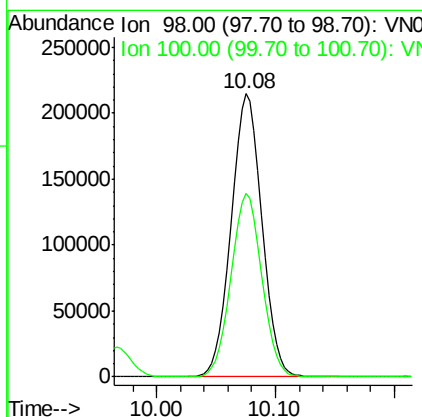
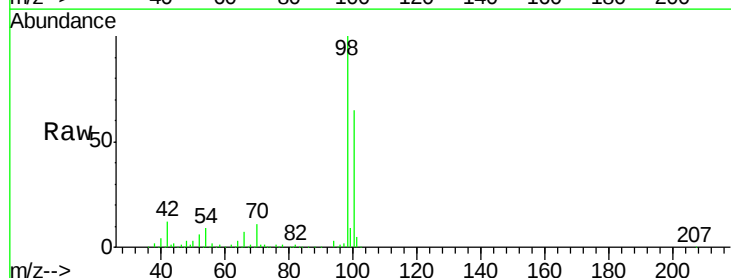
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#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 98.529 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 43 Resp: 302307

Ion Ratio Lower Upper

43 100

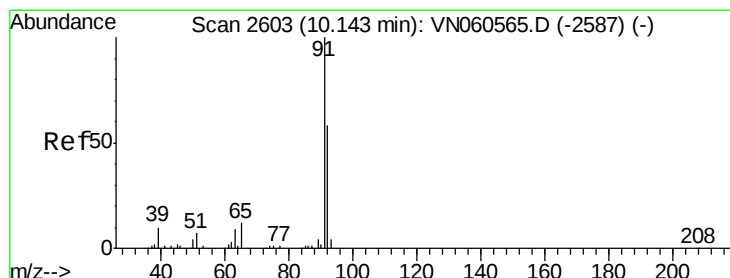
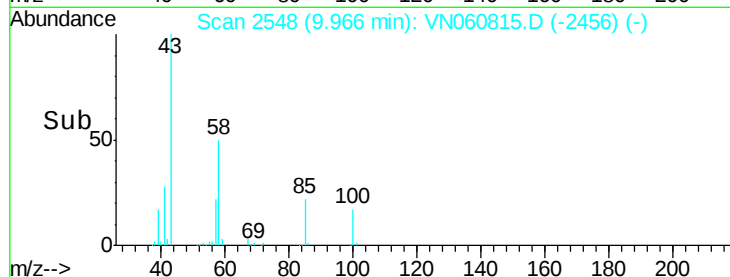
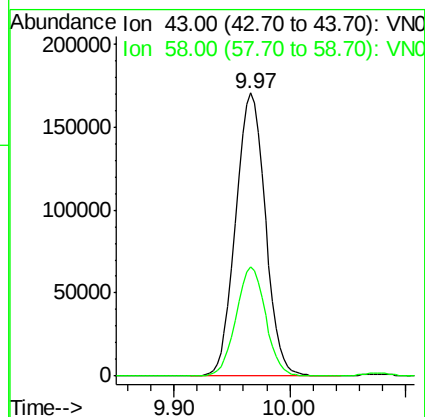
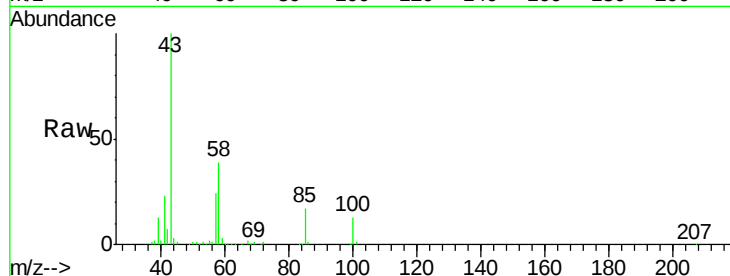
58 38.2 30.8 46.2

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#52

Toluene

Concen: 19.628 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060815.D

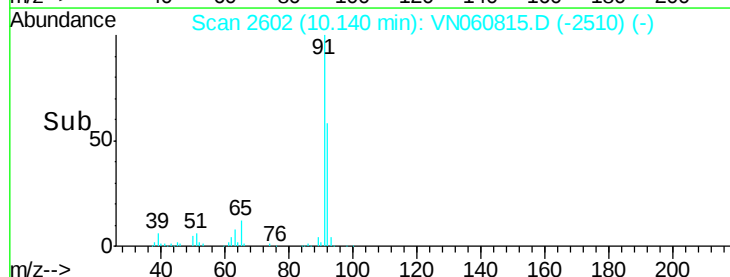
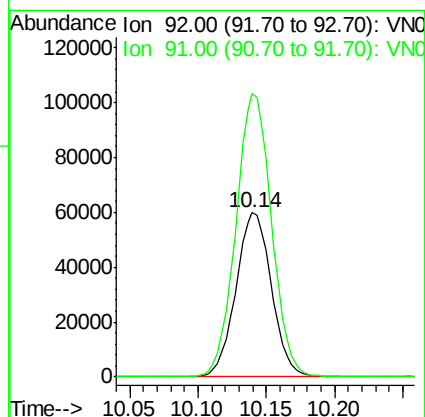
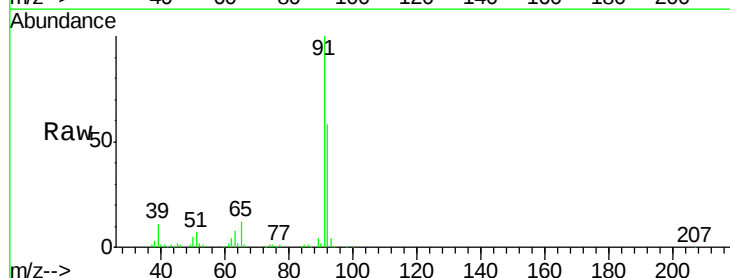
Acq: 2 Apr 2020 11:49

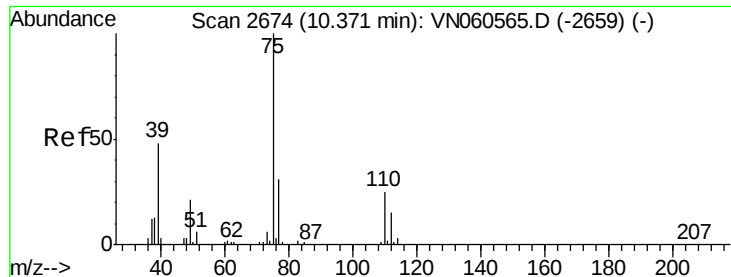
Tgt Ion: 92 Resp: 108273

Ion Ratio Lower Upper

92 100

91 172.9 137.6 206.4





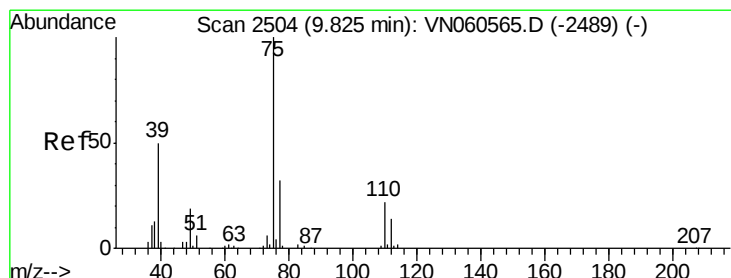
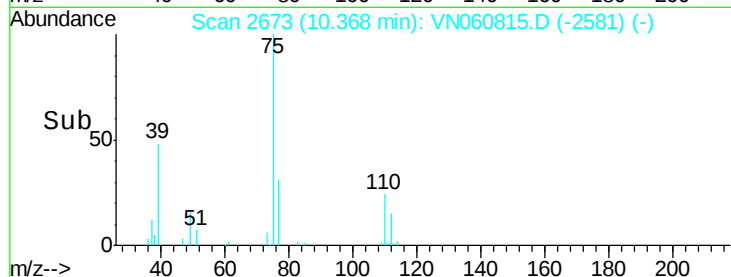
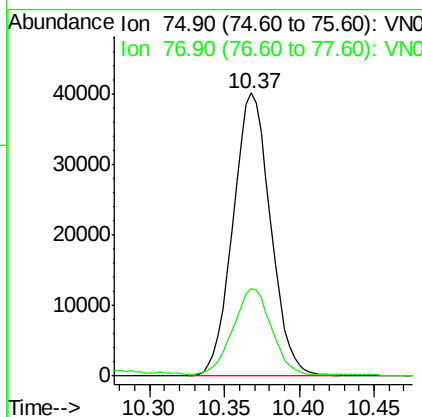
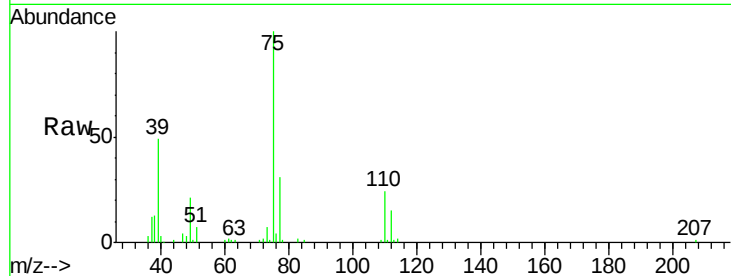
#53
 t-1,3-Dichloropropene
 Concen: 20.200 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion: 75 Resp: 70257
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.1 37.7

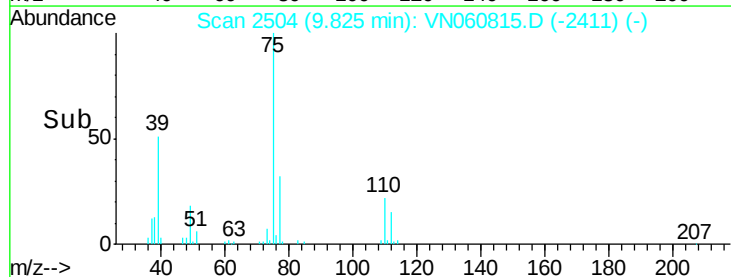
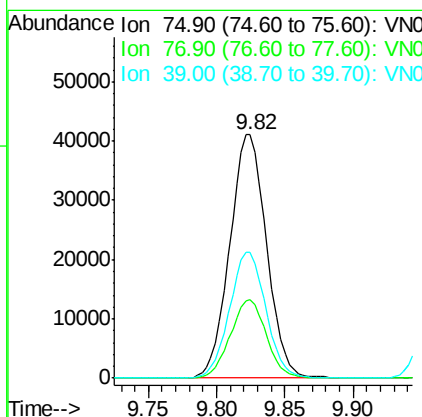
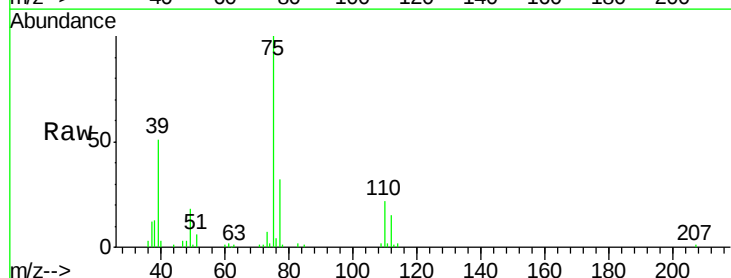
Manual Integrations
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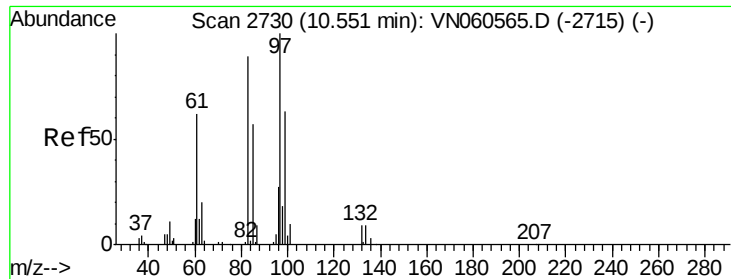
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.129 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion: 75 Resp: 76805
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0
 39 51.5 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.825 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 97 Resp: 42072

Ion Ratio Lower Upper

97 100

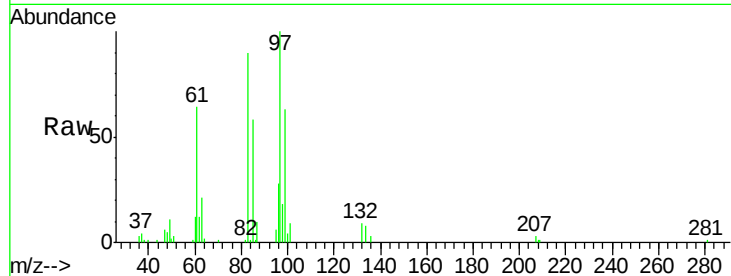
83 90.4 71.3 106.9

85 58.4 45.2 67.8

99 63.4 50.1 75.1

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4/3/2020 12:06:20 PM

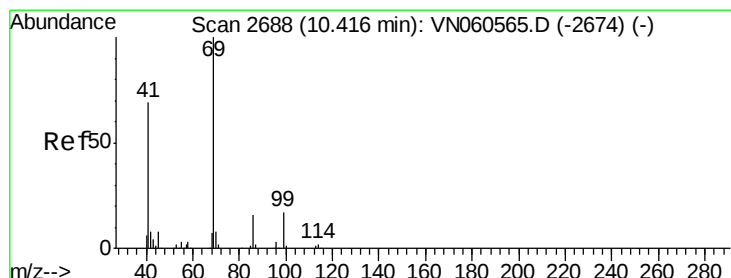
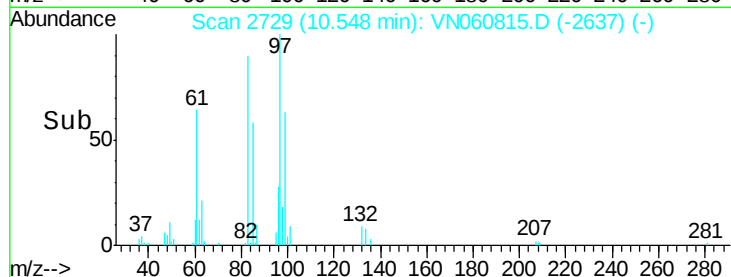
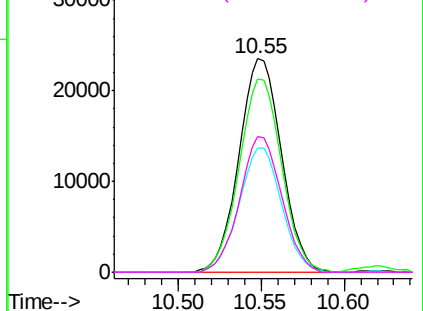


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.974 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

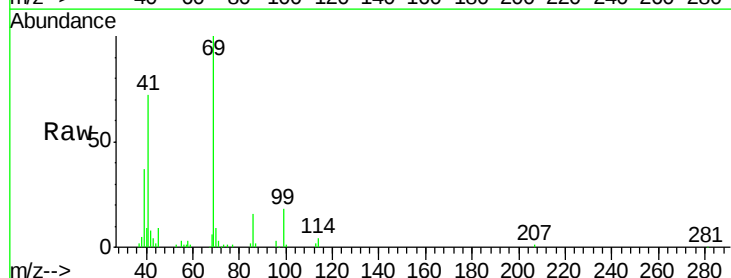
Tgt Ion: 69 Resp: 62784

Ion Ratio Lower Upper

69 100

41 71.7 55.4 83.2

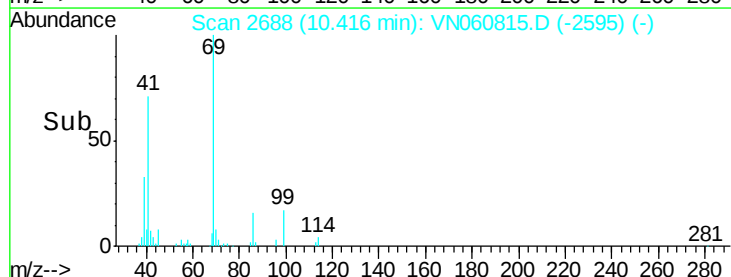
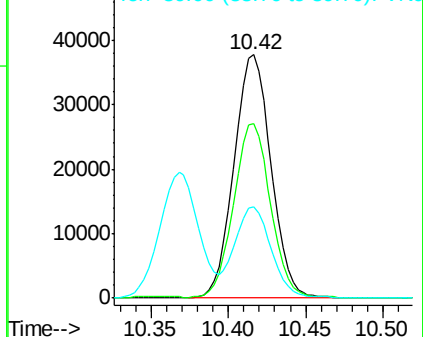
39 37.4 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.969 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 76 Resp: 73538

Ion Ratio Lower Upper

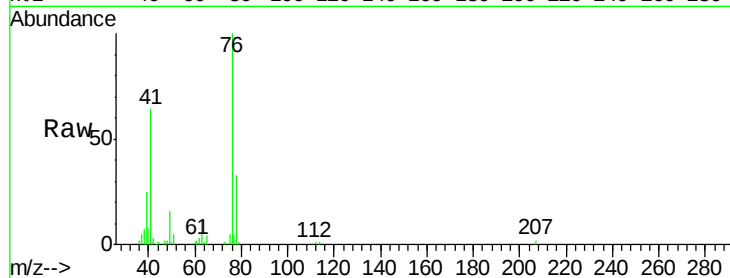
76 100

78 32.7 25.8 38.6

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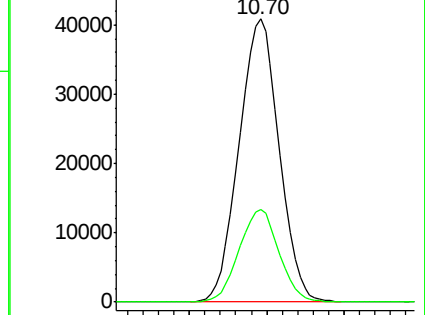
MMDadoda

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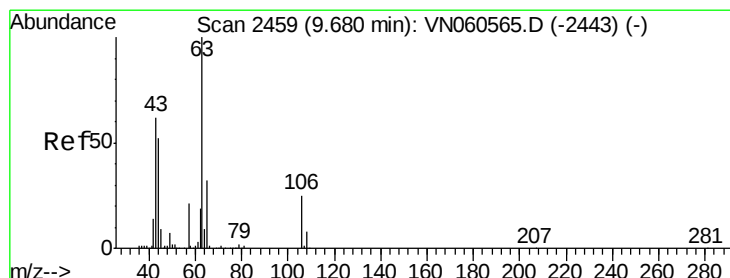
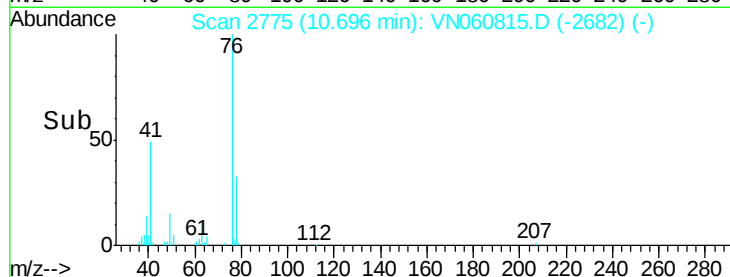


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 79.358 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060815.D

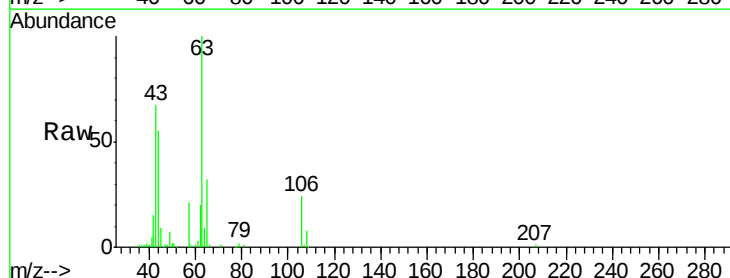
Acq: 2 Apr 2020 11:49

Tgt Ion: 63 Resp: 130513

Ion Ratio Lower Upper

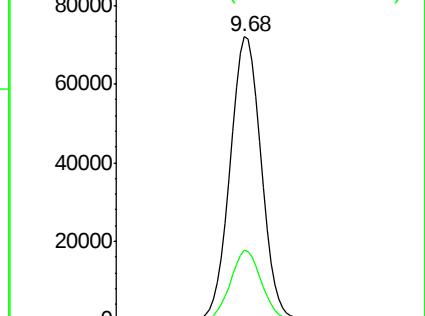
63 100

106 24.4 20.0 30.0

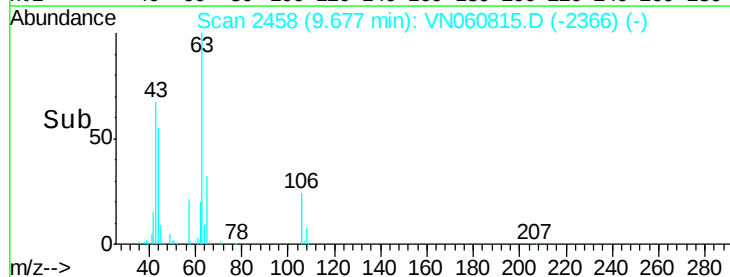


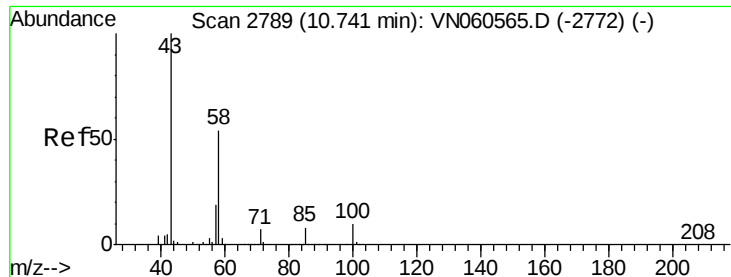
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->





#59

2-Hexanone

Concen: 97.443 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 43 Resp: 215368

Ion Ratio Lower Upper

43 100

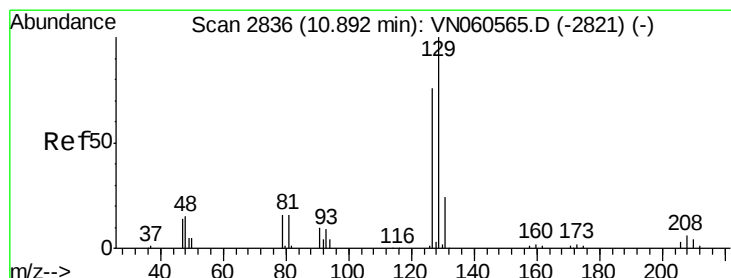
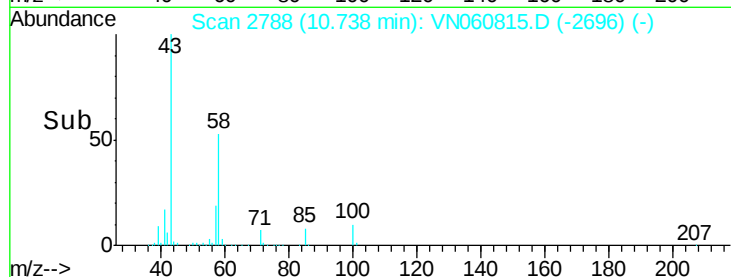
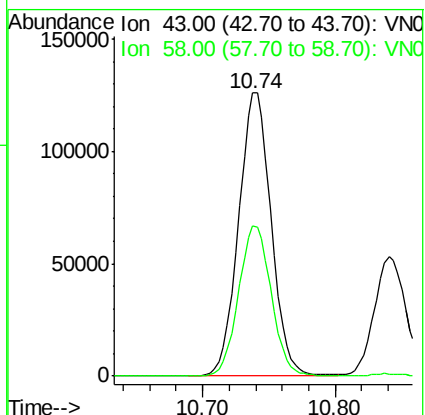
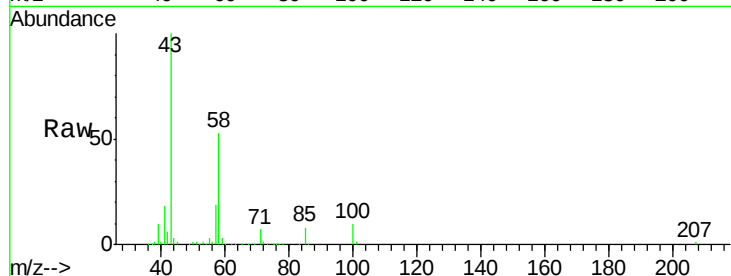
58 53.2 26.7 80.1

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.340 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060815.D

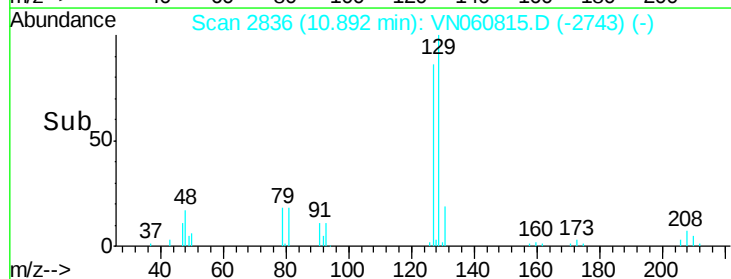
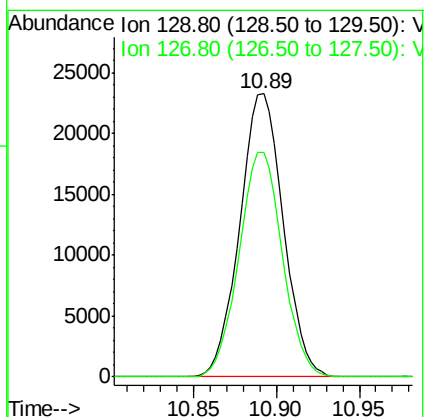
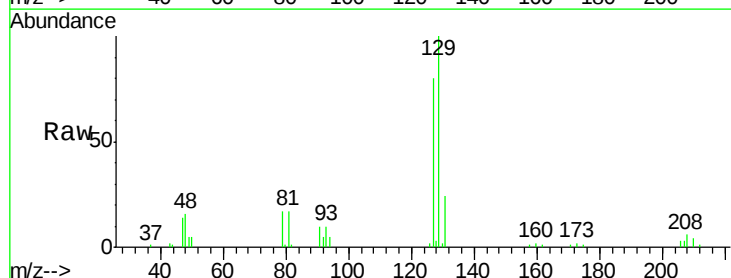
Acq: 2 Apr 2020 11:49

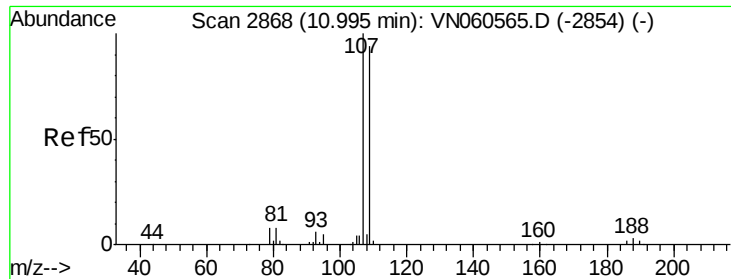
Tgt Ion: 129 Resp: 42396

Ion Ratio Lower Upper

129 100

127 79.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.792 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:107 Resp: 42236

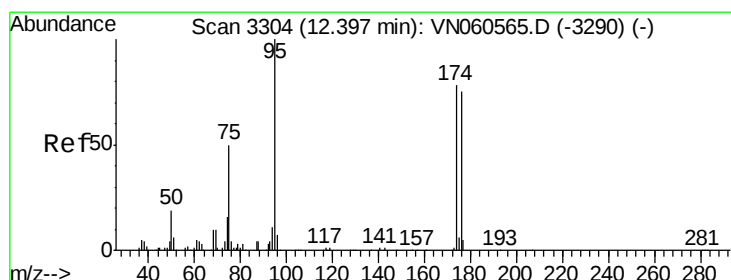
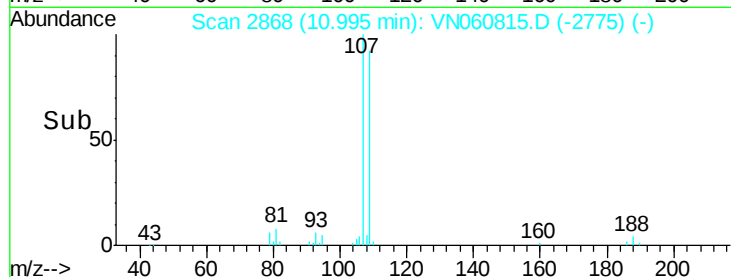
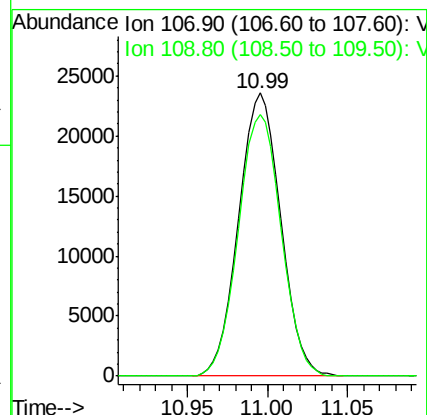
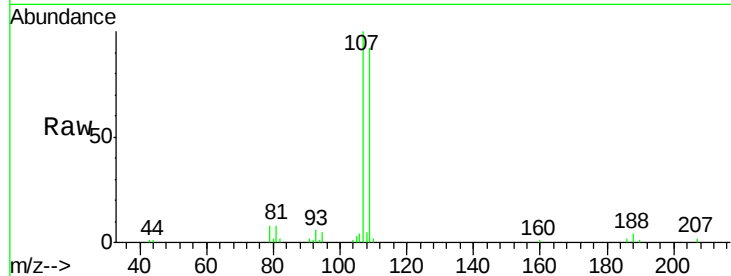
Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 48.734 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

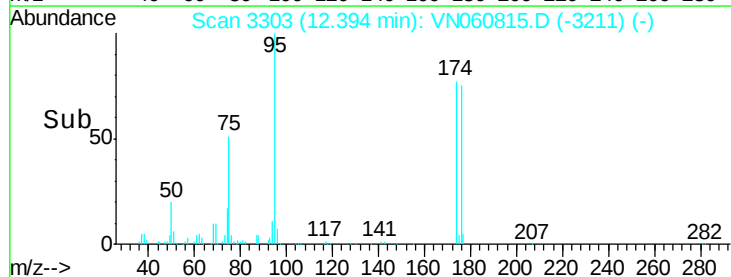
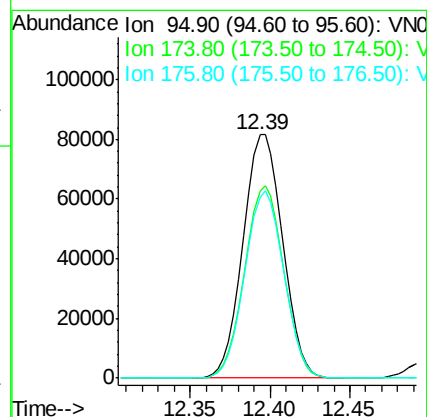
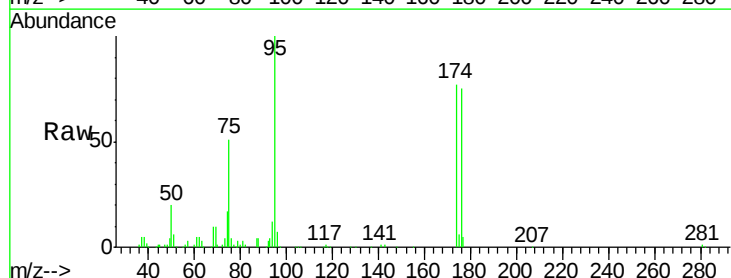
Tgt Ion: 95 Resp: 137840

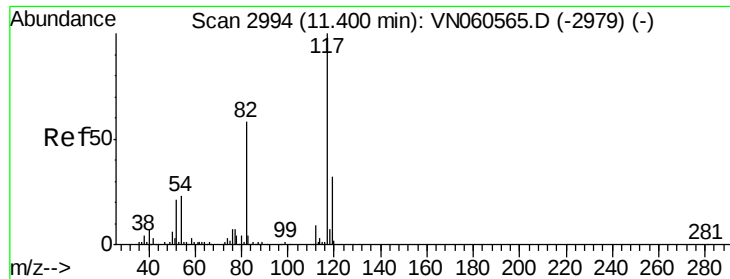
Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

176 76.1 0.0 150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

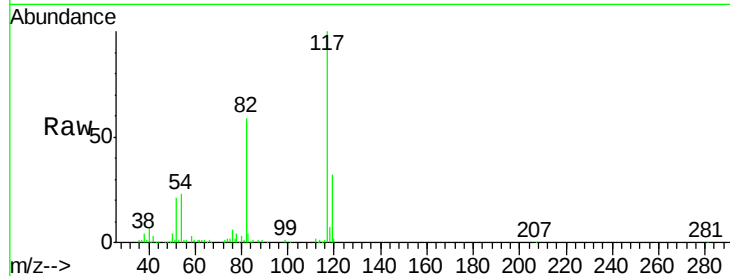
ClientSampleId :

VN0402WBS01

Tot Ion:	117	Resp:	284031
Ion Ratio	Lower	Upper	
117	100		
82	58.6	46.7	70.1
119	31.7	25.5	38.3

Manual Integrations
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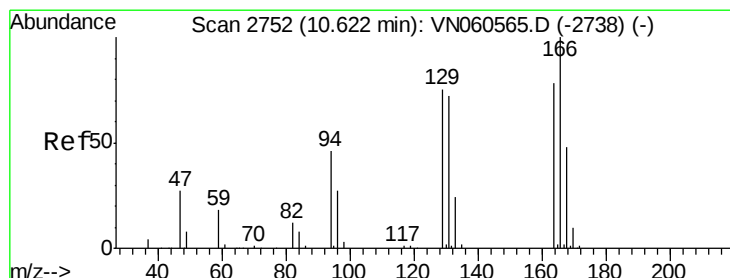
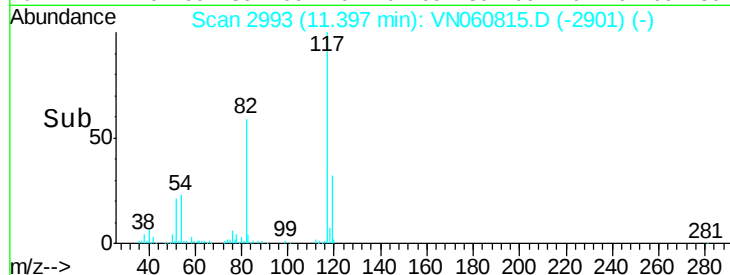
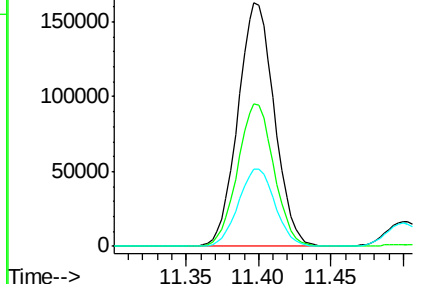
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.396 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

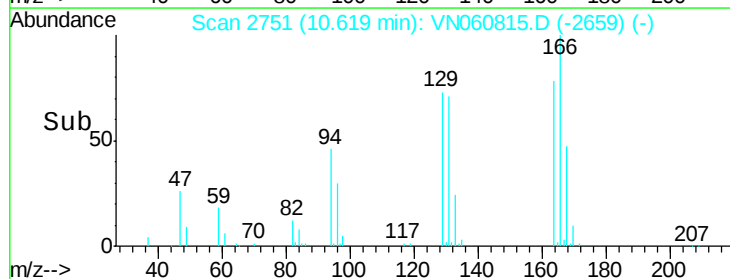
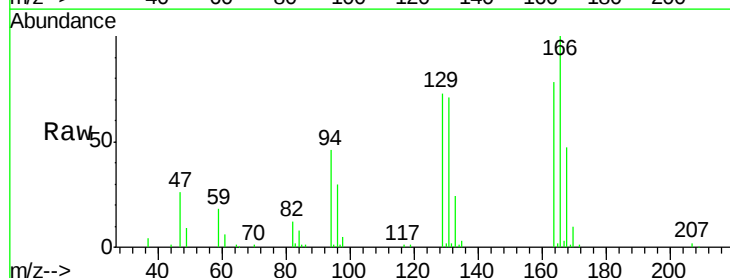
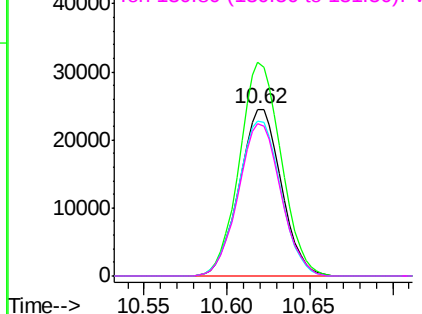
Tgt Ion:	164	Resp:	43352
Ion Ratio	Lower	Upper	
164	100		
166	127.9	102.7	154.1
129	93.0	77.2	115.8
131	91.3	73.8	110.6

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.401 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion:112 Resp: 109238

Ion Ratio Lower Upper

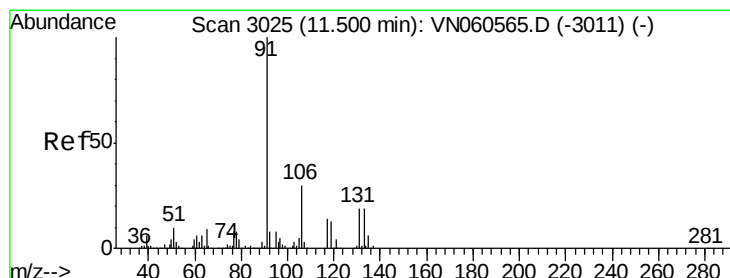
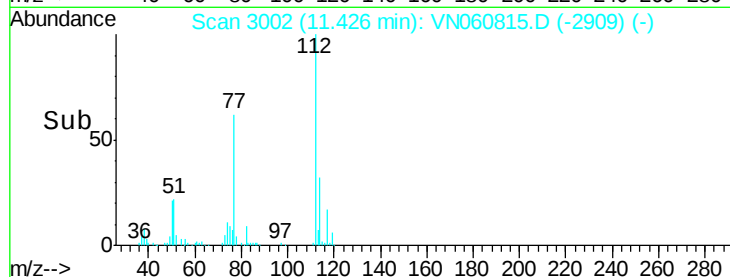
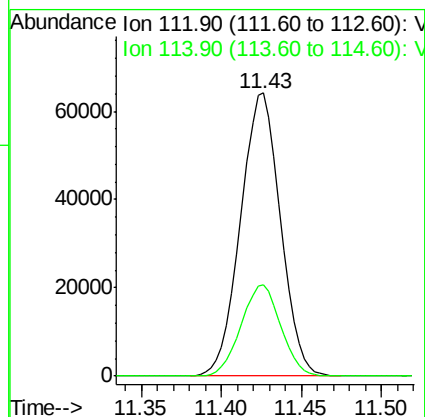
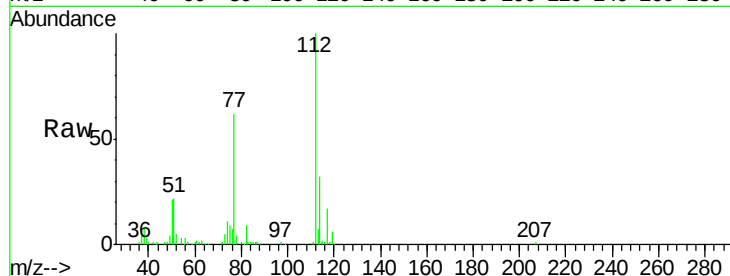
112 100

114 32.4 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.960 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

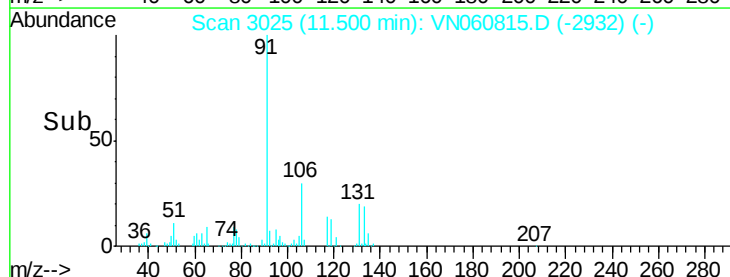
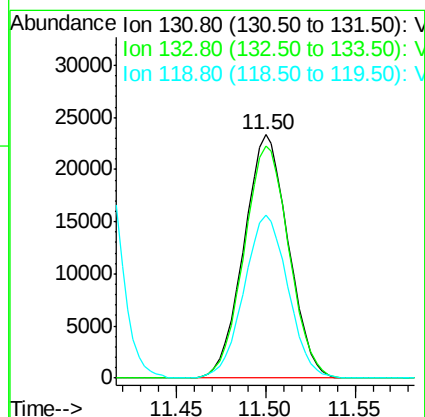
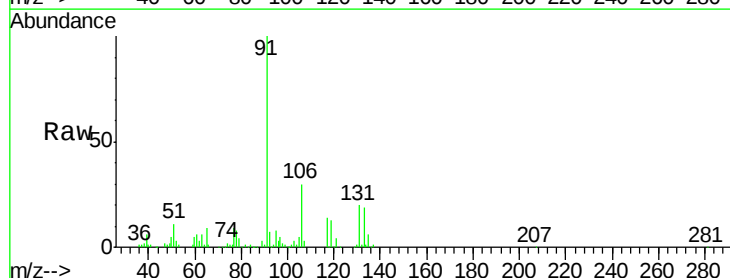
Tgt Ion:131 Resp: 40691

Ion Ratio Lower Upper

131 100

133 96.4 48.9 146.8

119 66.1 33.9 101.7





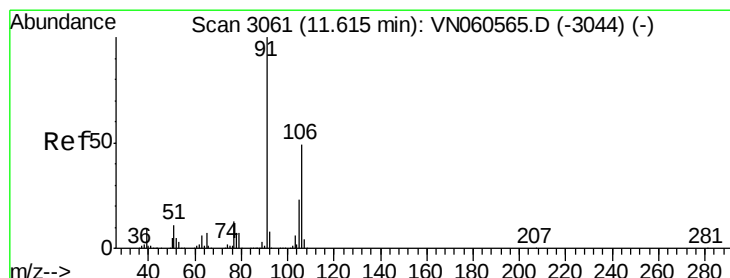
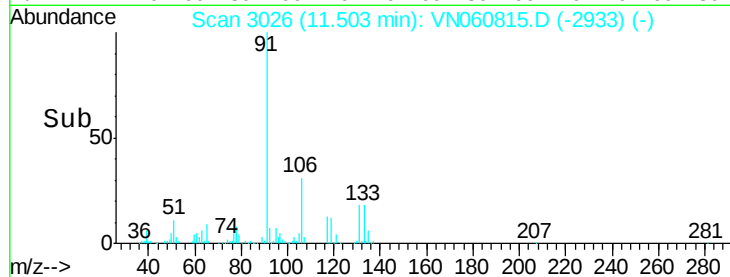
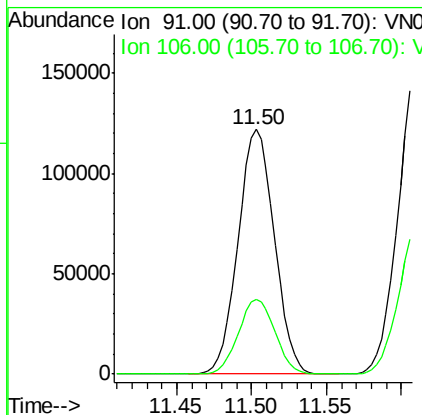
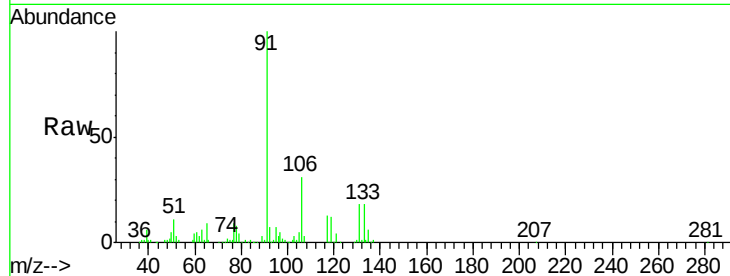
#67
Ethyl Benzene
Concen: 19.664 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.2

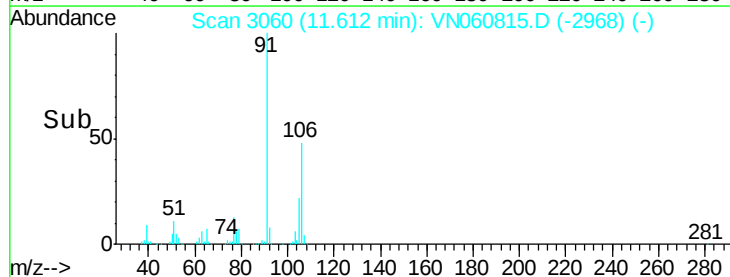
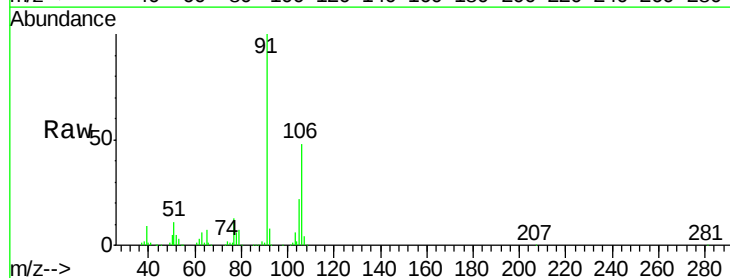
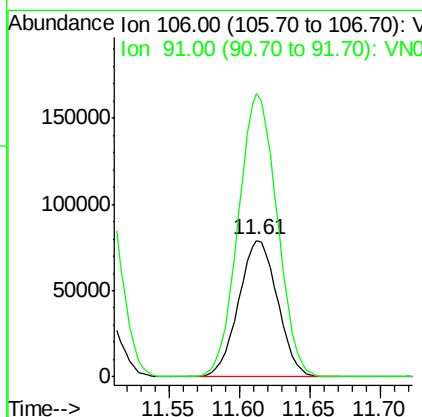
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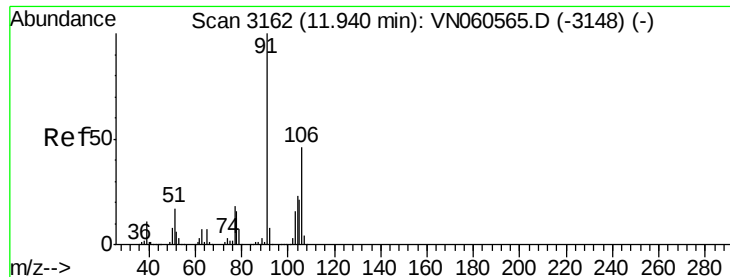
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#68
m/p-Xylenes
Concen: 39.287 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.5	165.0	247.4





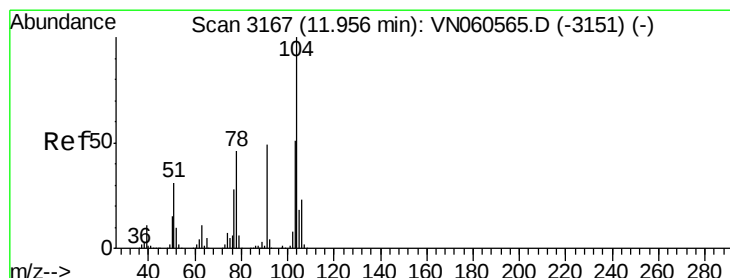
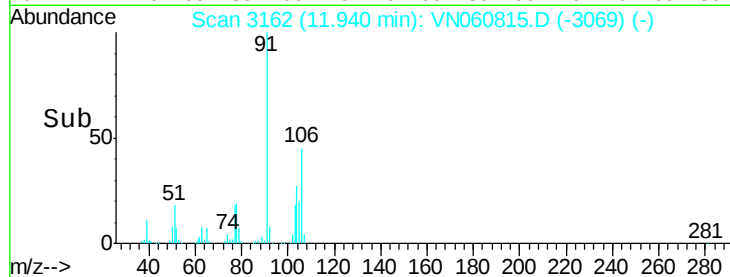
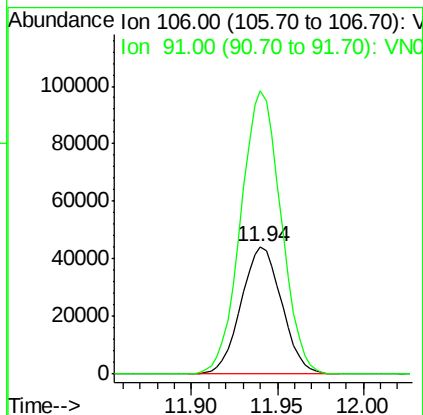
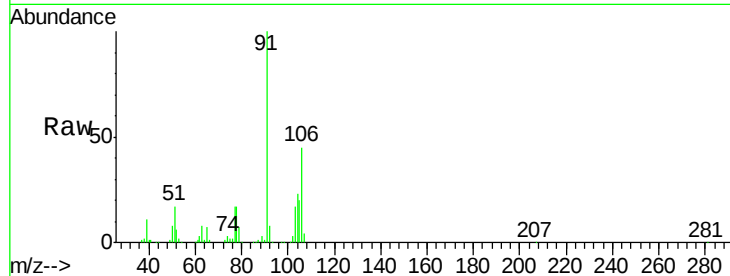
#69
o-Xylene
Concen: 19.564 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion:106 Resp: 72671
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4

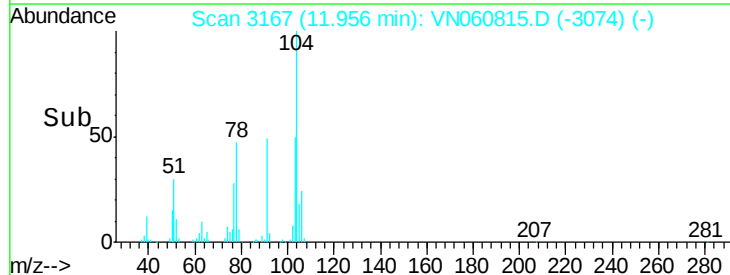
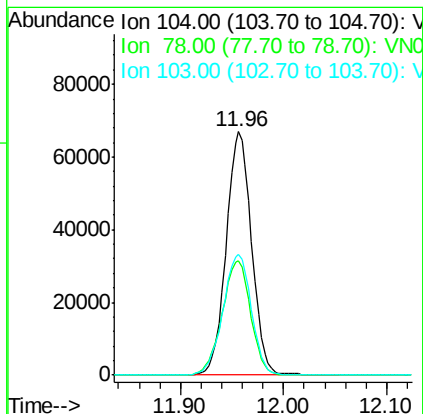
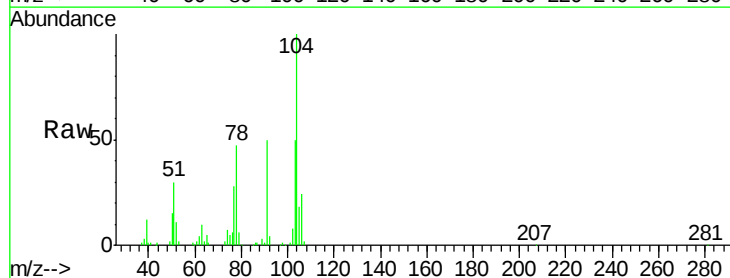
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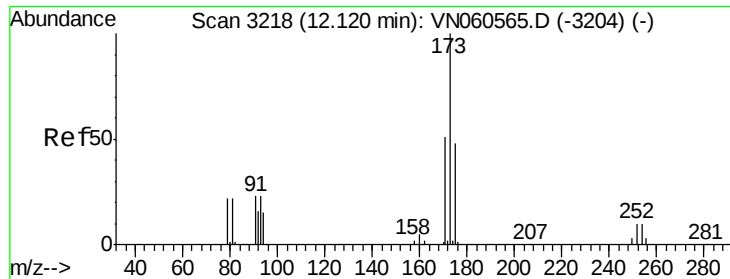
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#70
Styrene
Concen: 18.906 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion:104 Resp: 114854
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.3 44.0 66.0





#71

Bromoform

Concen: 18.794 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:173 Resp: 30006

Ion Ratio Lower Upper

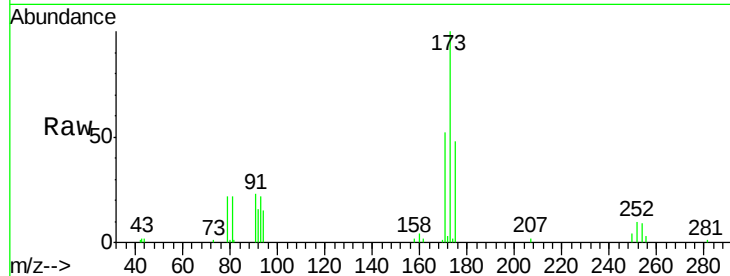
173 100

175 47.6 24.1 72.4

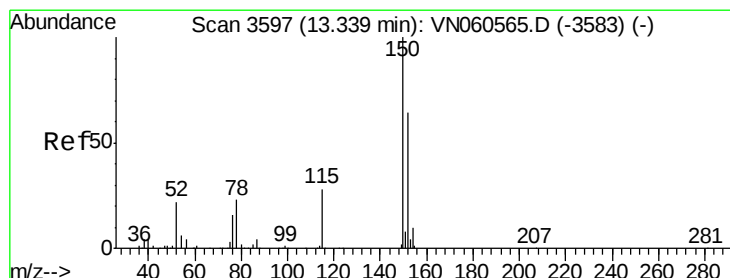
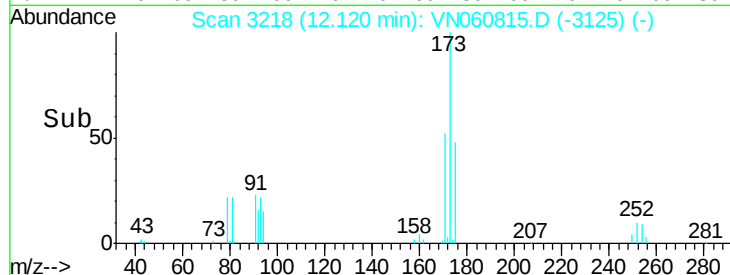
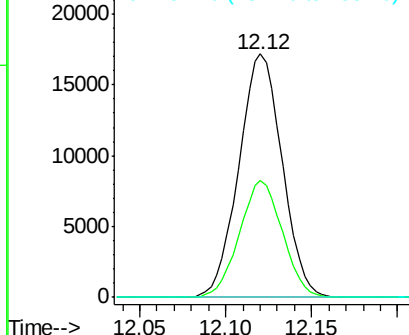
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

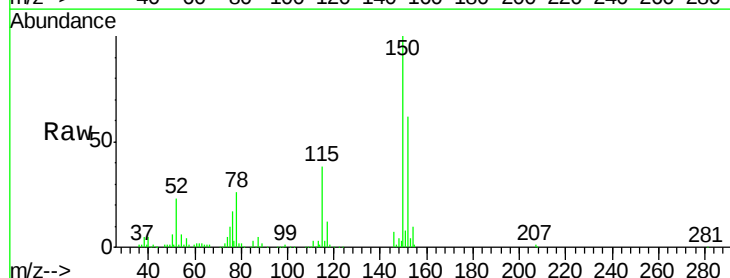
Tgt Ion:152 Resp: 131294

Ion Ratio Lower Upper

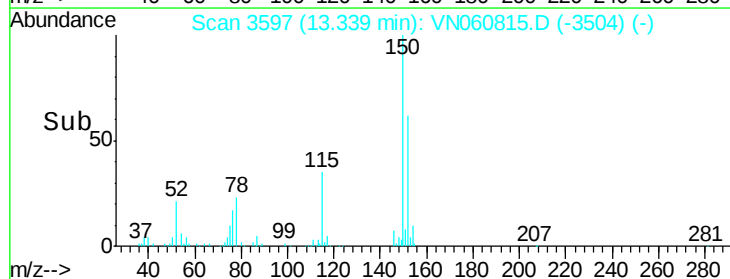
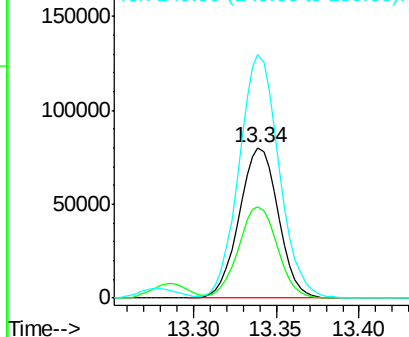
152 100

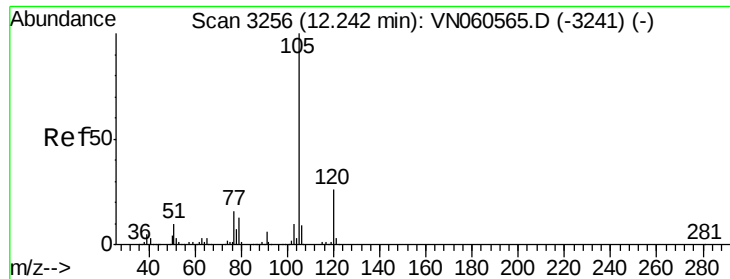
115 60.6 30.2 90.6

150 166.0 0.0 350.2



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





#73

Isopropylbenzene

Concen: 20.001 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 105 Resp: 197070

Ion Ratio Lower Upper

105 100

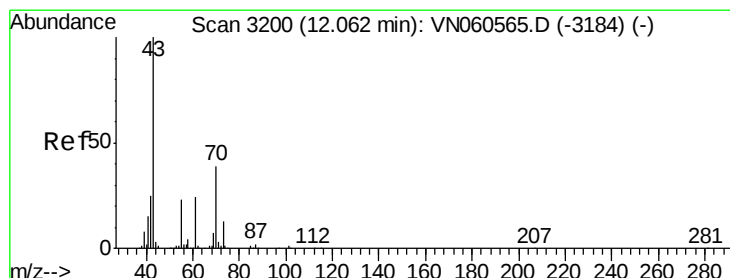
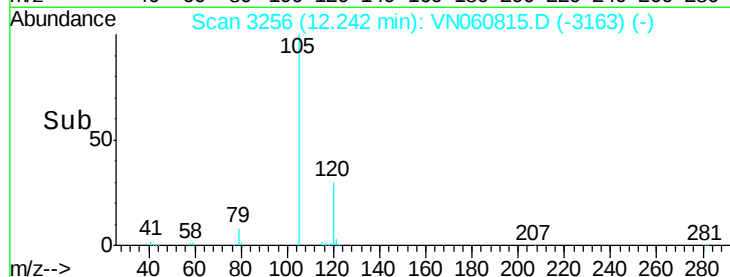
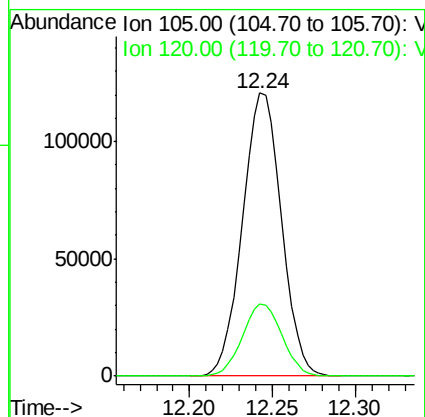
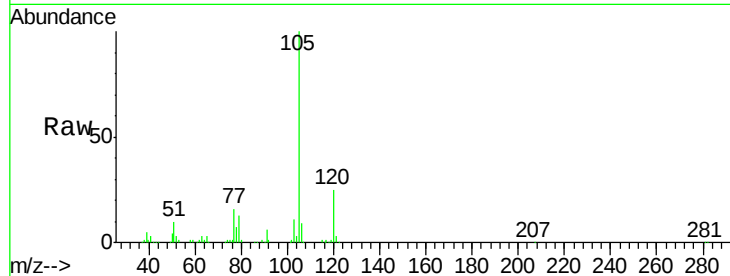
120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 19.152 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion: 43 Resp: 87199

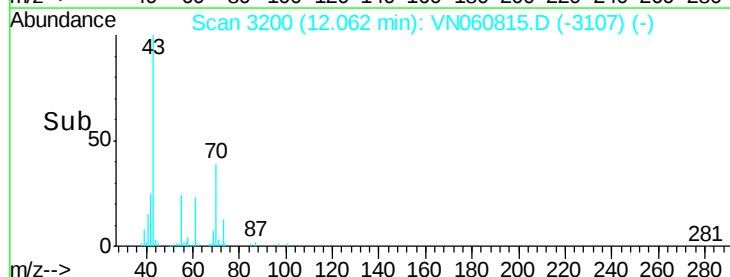
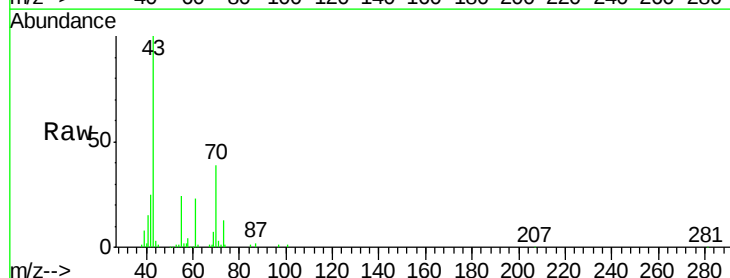
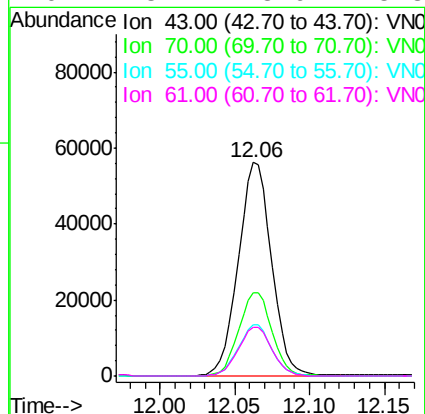
Ion Ratio Lower Upper

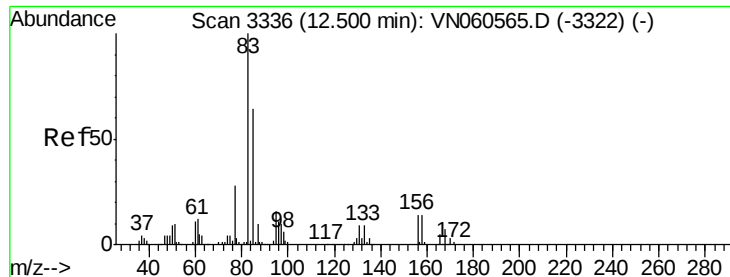
43 100

70 38.9 31.1 46.7

55 23.8 18.6 27.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.792 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

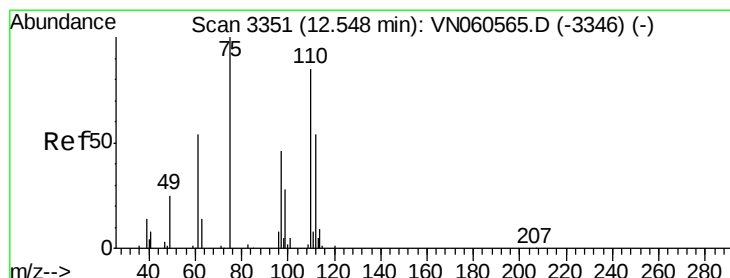
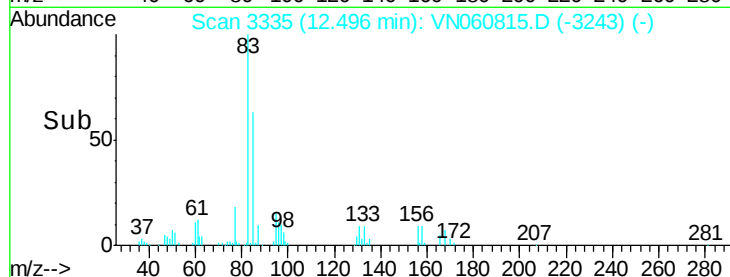
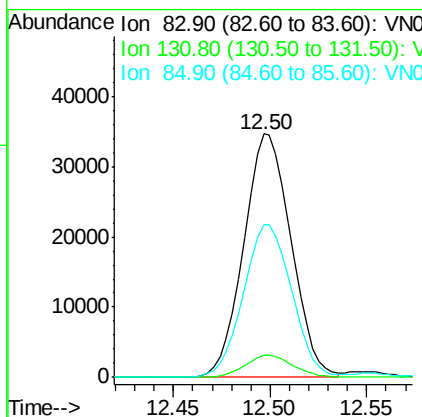
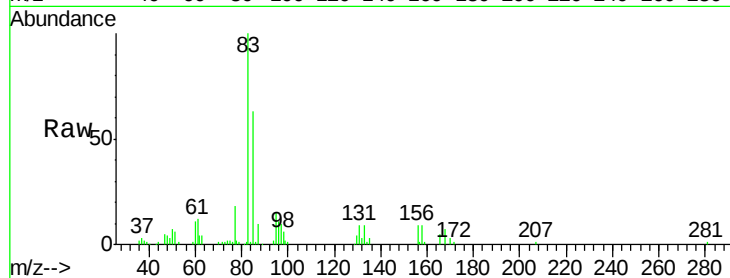
ClientSampleId :

VN0402WBS01

Tot Ion:	83	Resp:	58972
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	64.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.050 ug/l m

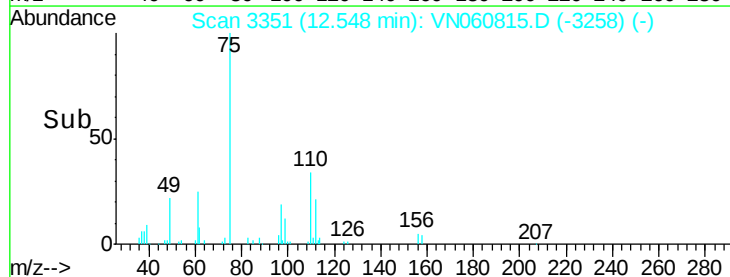
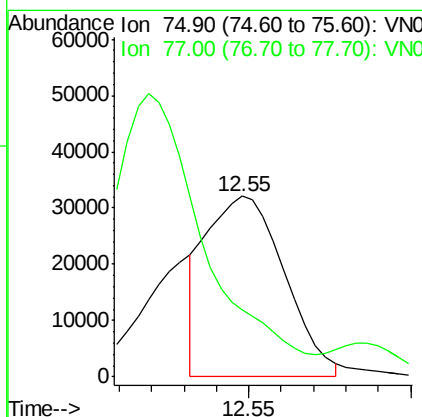
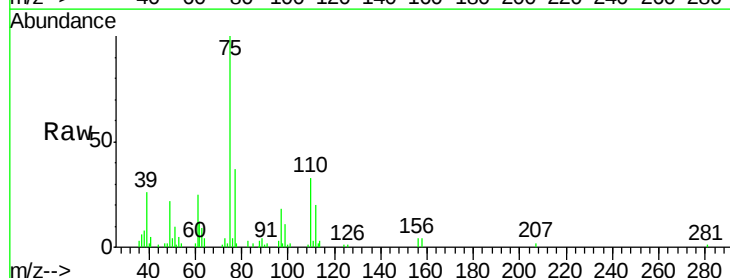
RT: 12.55 min Scan# 3351

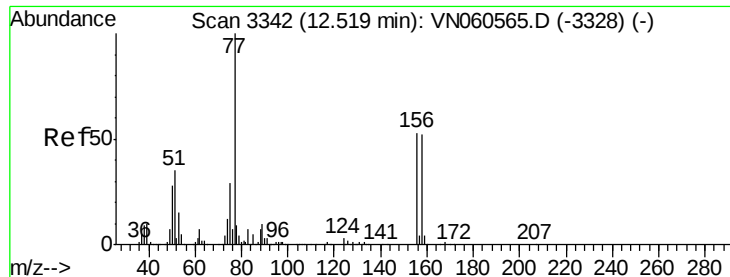
Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	75	Resp:	53971
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





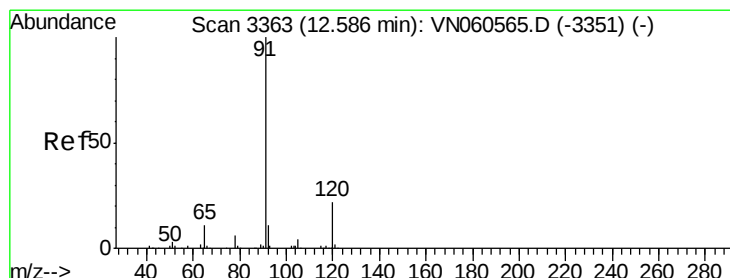
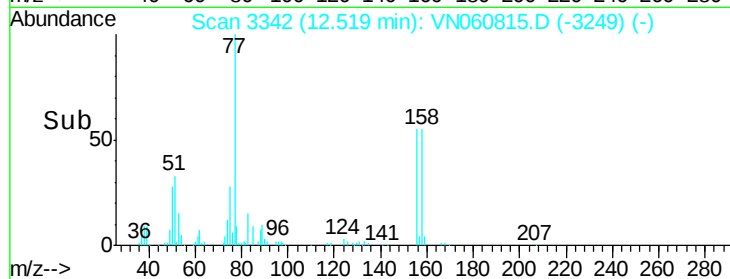
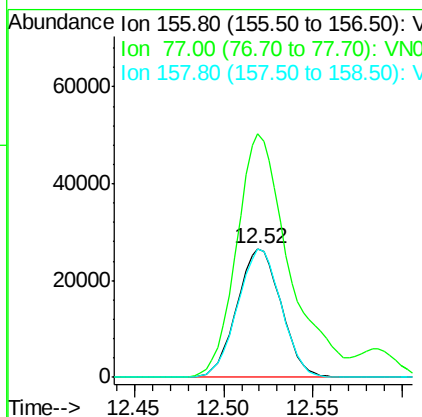
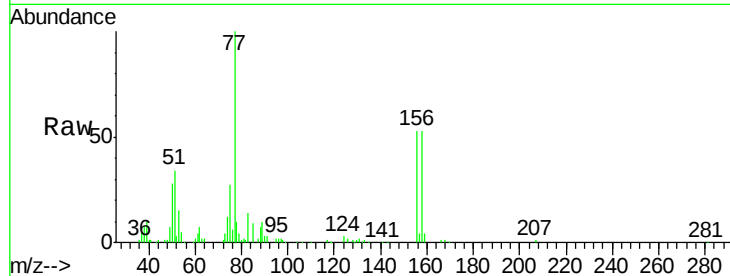
#77
Bromobenzene
Concen: 19.359 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	225.1	112.3	337.0	
158	98.4	48.6	145.8	

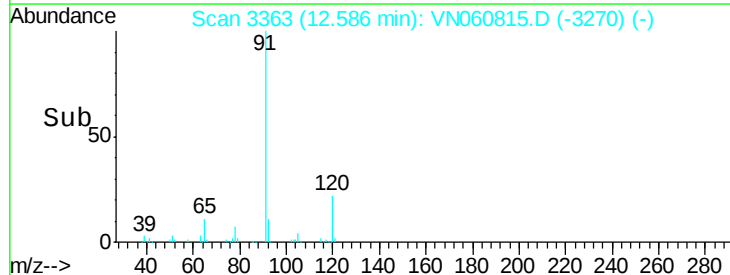
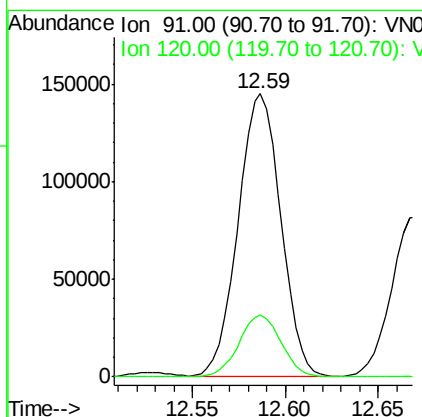
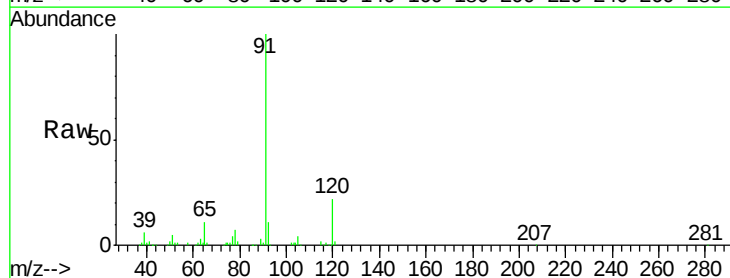
Manual Integrations
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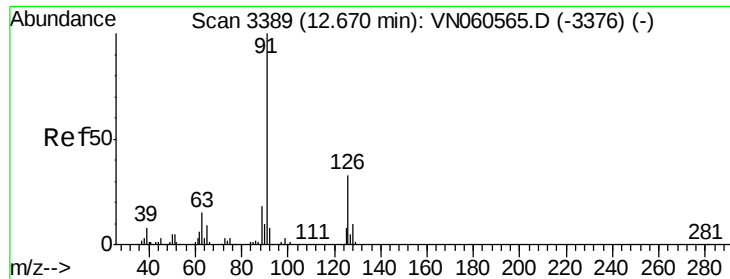
MMDadoda
4/3/2020 12:06:20 PM



#78
n-propylbenzene
Concen: 19.822 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	11.3	33.8	





#79

2-Chlorotoluene

Concen: 19.387 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 91 Resp: 134845

Ion Ratio Lower Upper

91 100

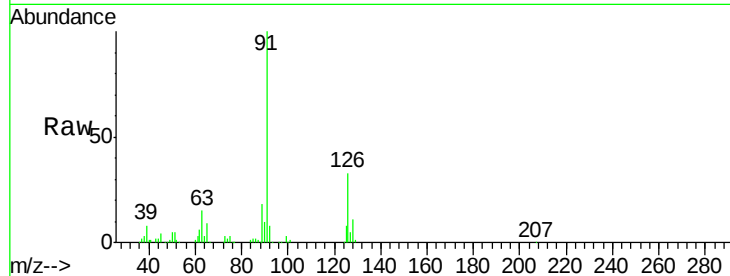
126 33.0 16.4 49.1

Manual Integrations

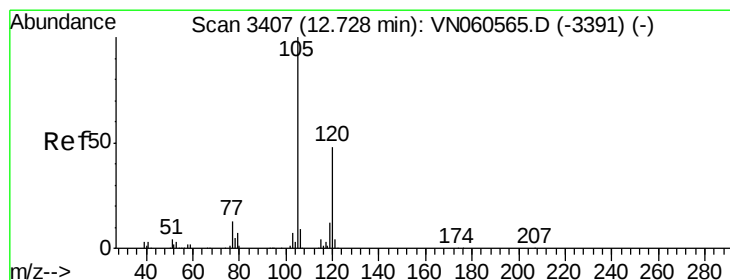
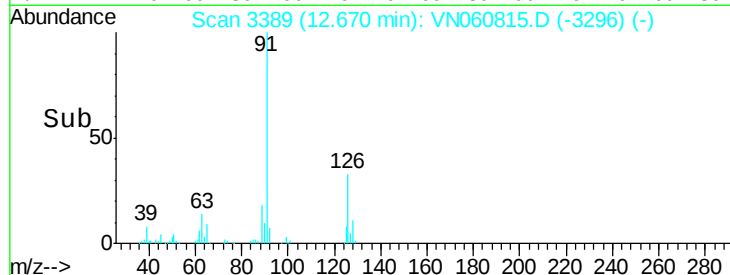
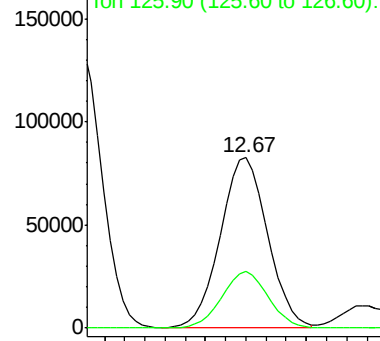
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Abundance Ion 91.00 (90.70 to 91.70): VN060815.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.823 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060815.D

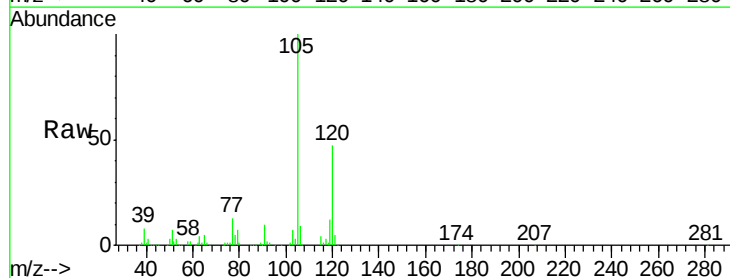
Acq: 2 Apr 2020 11:49

Tgt Ion: 105 Resp: 165750

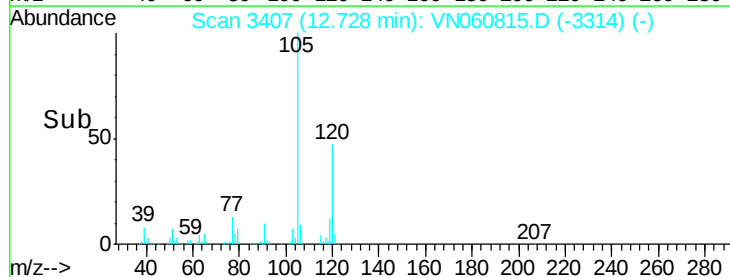
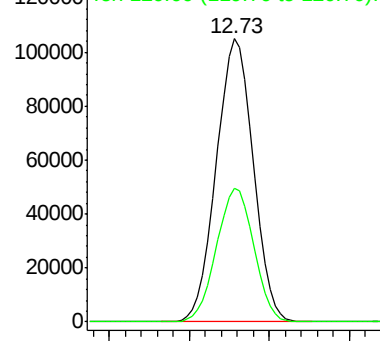
Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060815.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.151 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

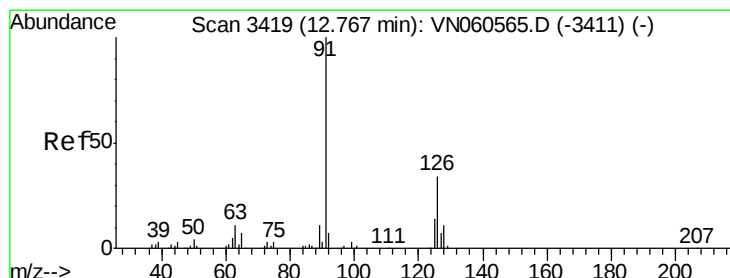
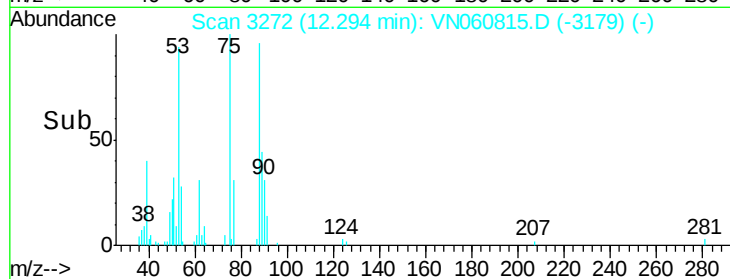
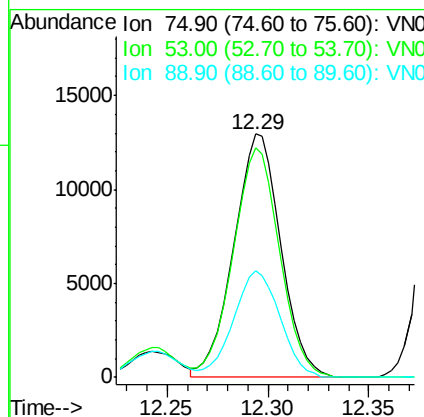
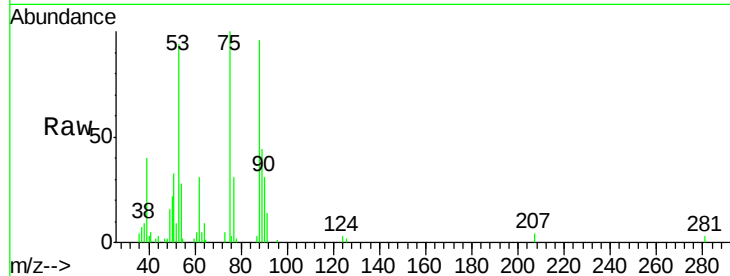
ClientSampled :

VN0402WBS01

Tot Ion:	75	Resp:	21125
Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.0	109.4
89	43.3	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.776 ug/l

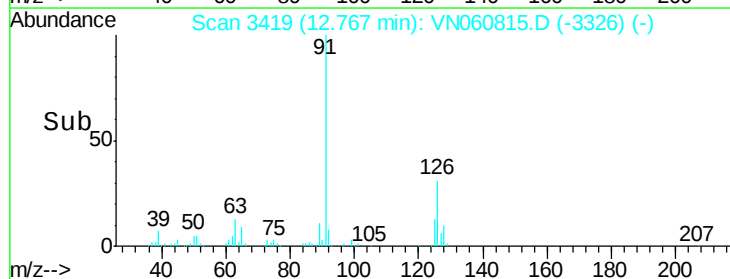
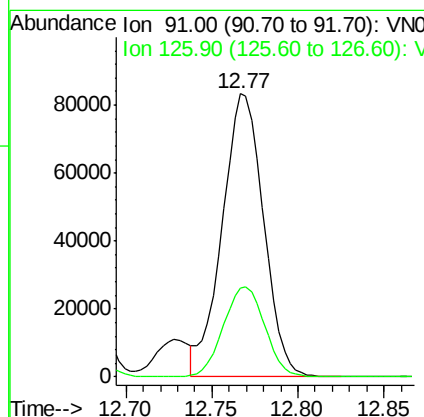
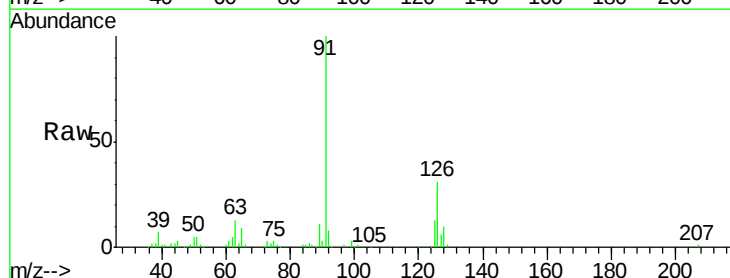
RT: 12.77 min Scan# 3419

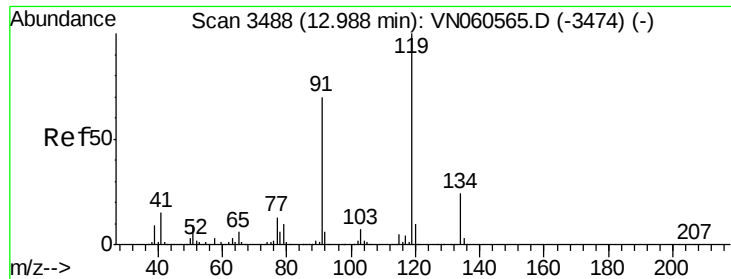
Delta R.T. -0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	91	Resp:	140095
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5





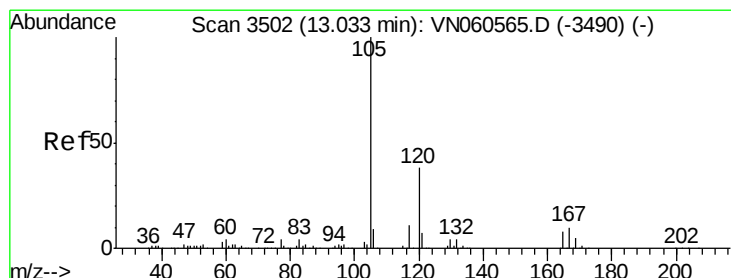
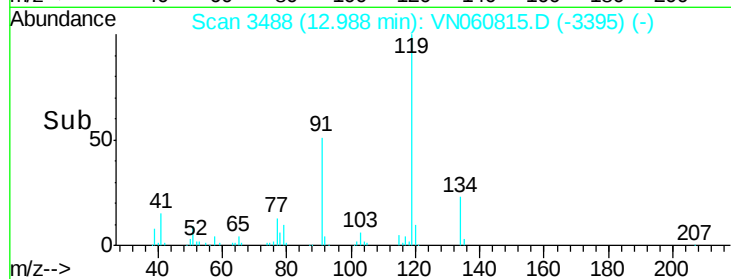
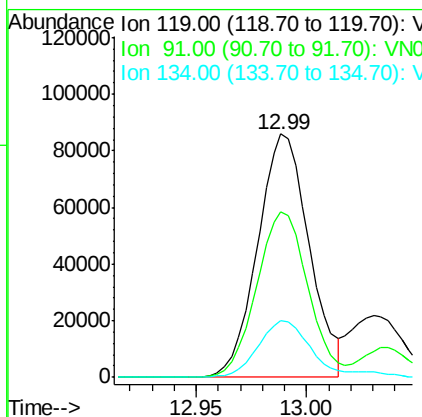
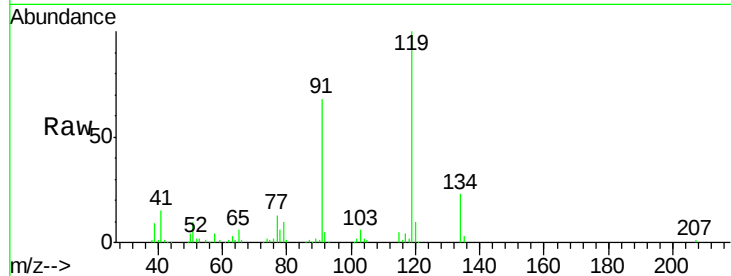
#83
tert-Butylbenzene
Concen: 20.037 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138887		
91	67.8	34.0	101.8	
134	23.5	12.7	38.0	

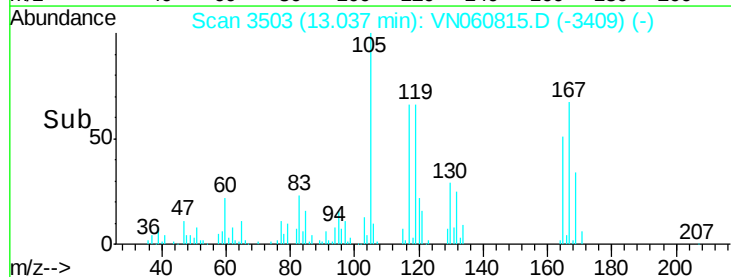
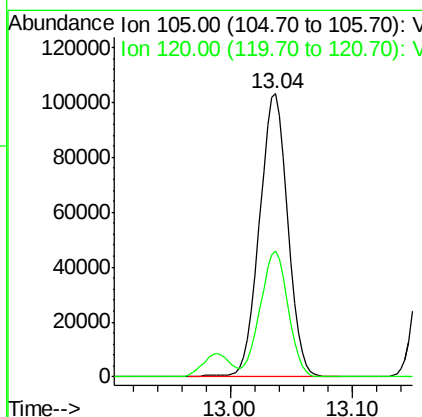
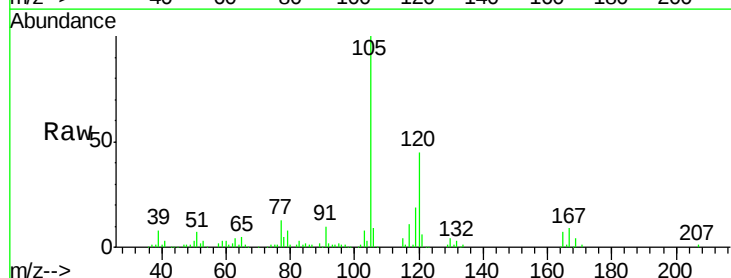
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 20.016 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165579		
120	43.8	22.1	66.5	





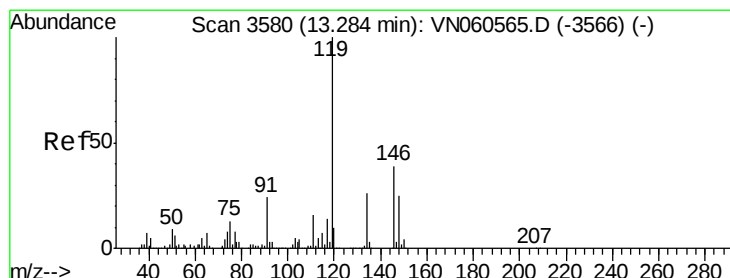
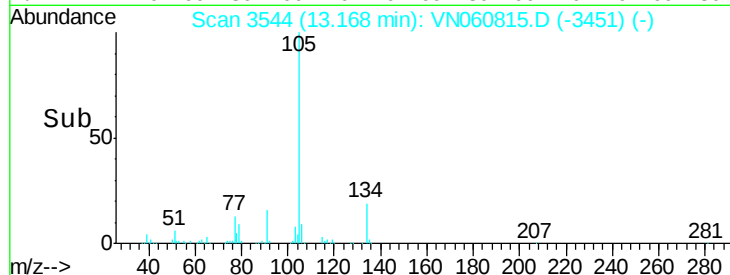
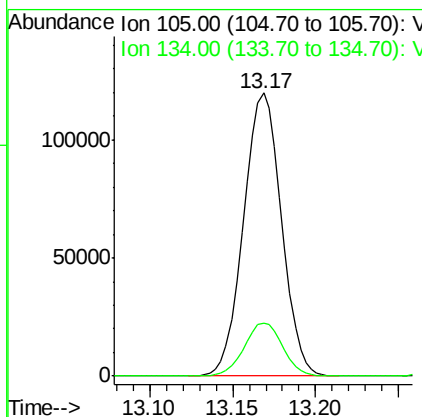
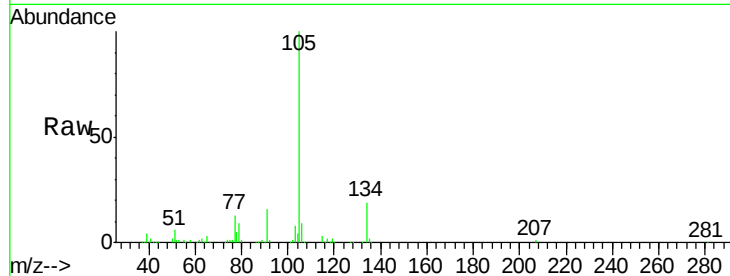
#85
 sec-Butylbenzene
 Concen: 20.405 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	190191		
134	19.0	9.6	28.8	

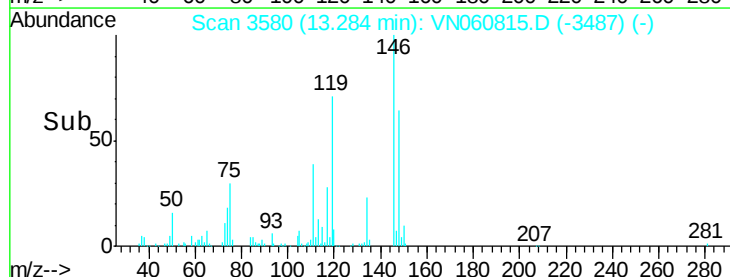
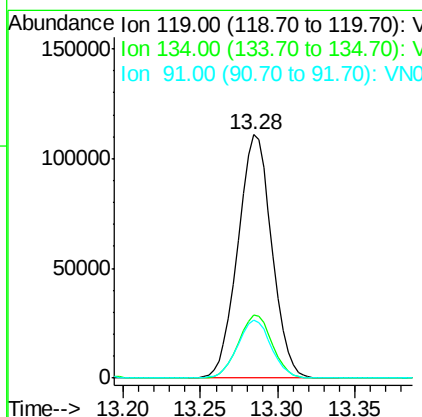
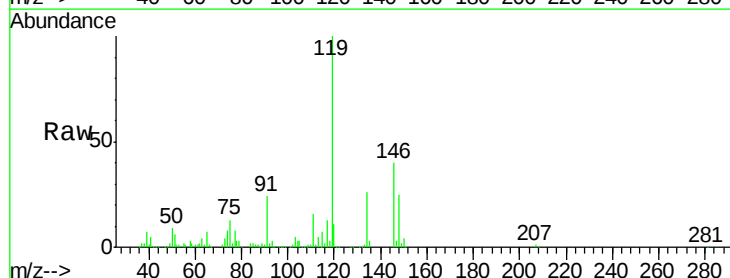
Manual Integrations
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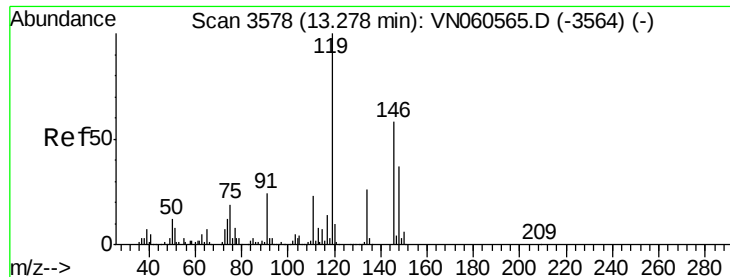
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#86
 p-Isopropyltoluene
 Concen: 20.188 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	169205		
134	25.9	13.0	39.0	
91	23.8	12.0	36.0	





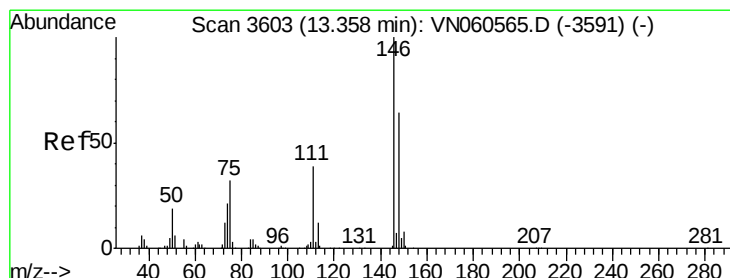
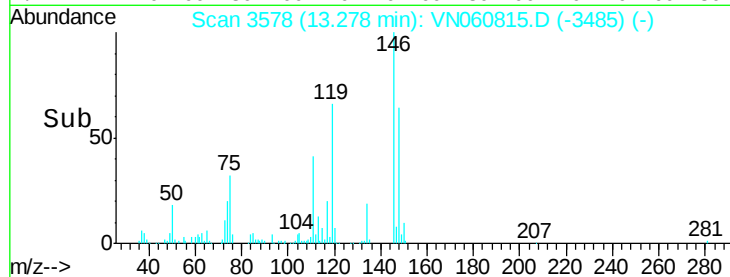
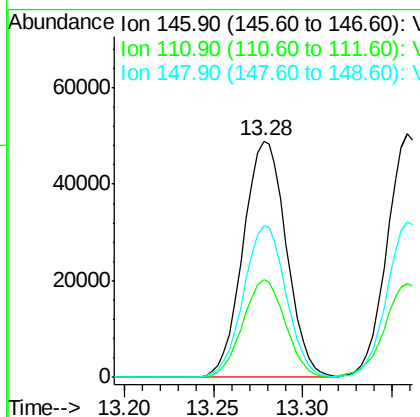
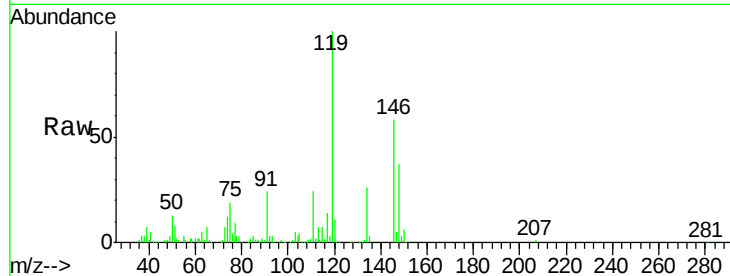
#87
 1,3-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.0	32.5	97.4

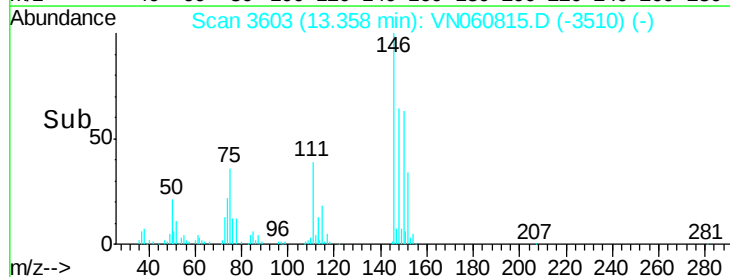
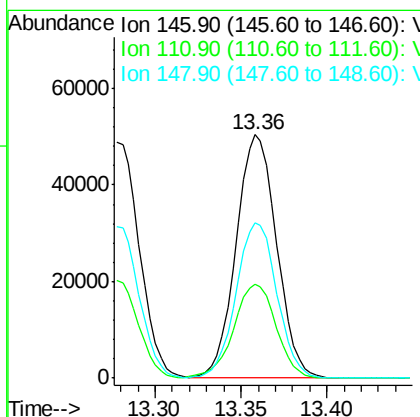
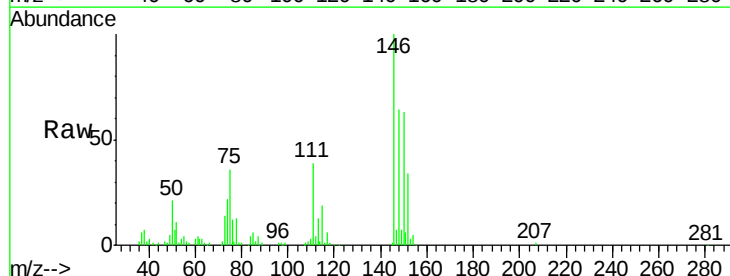
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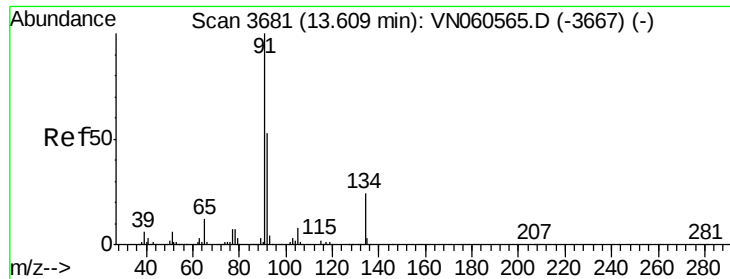
MMDadoda
 4/3/2020 12:06:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.662 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.3	32.1	96.3





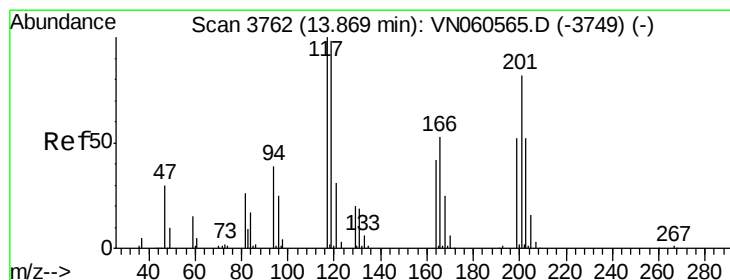
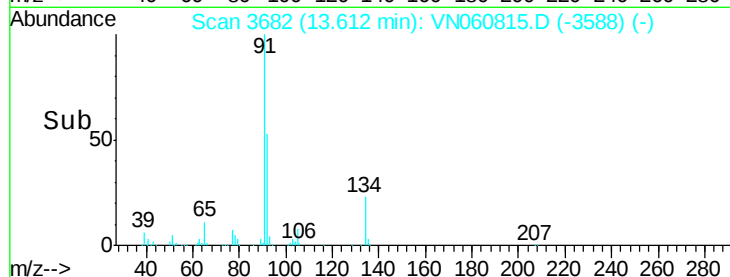
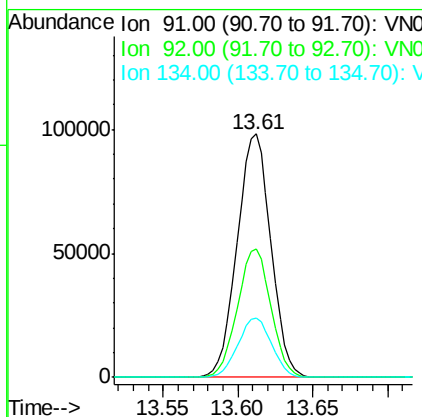
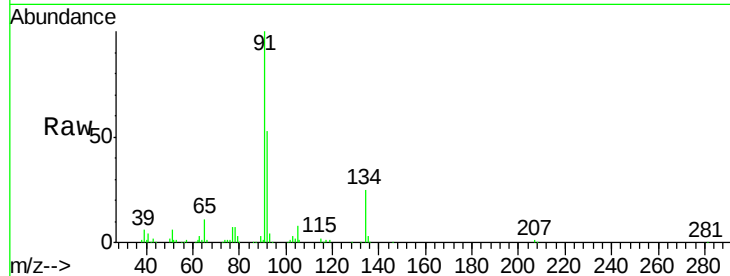
#89
n-Butylbenzene
Concen: 20.363 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.4	12.3	36.9

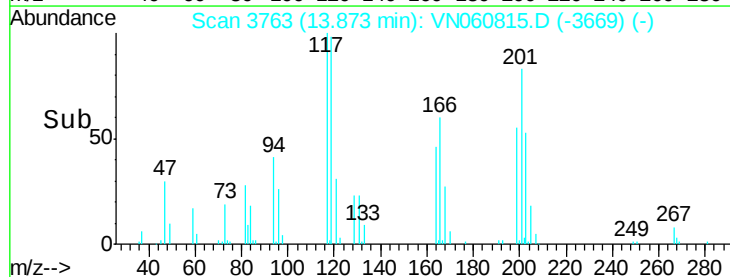
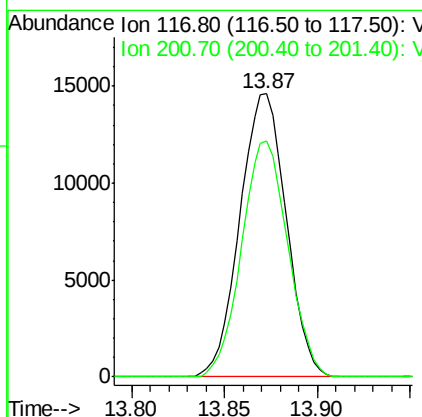
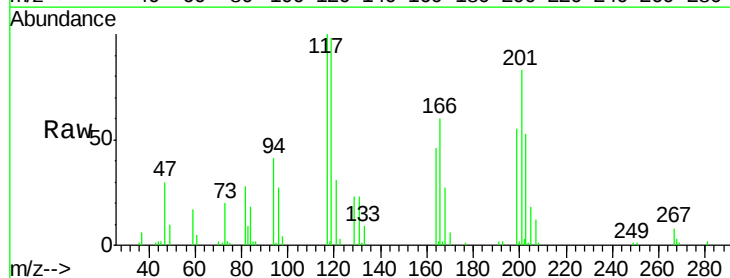
Manual Integrations
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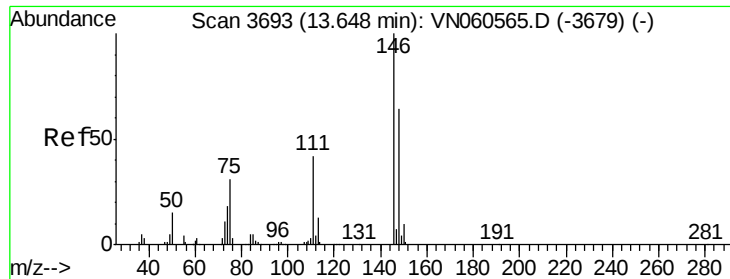
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#90
Hexachloroethane
Concen: 20.770 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060815.D
Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	40.8	122.5





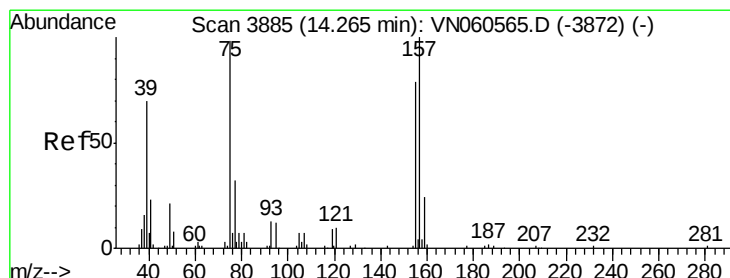
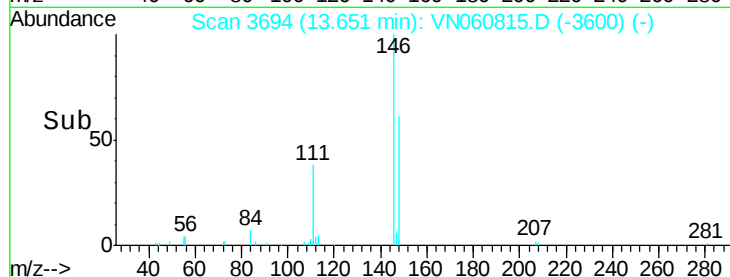
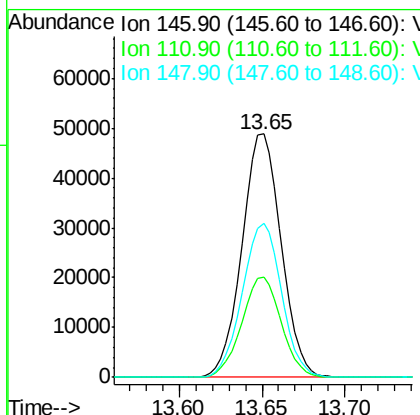
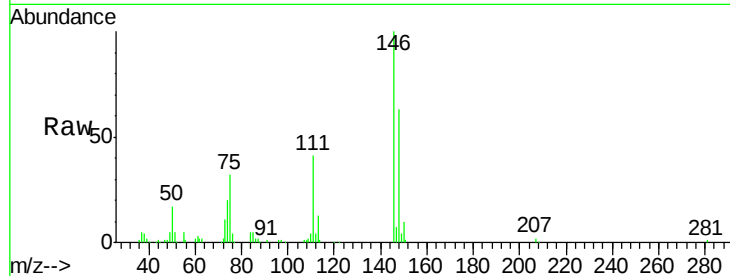
#91
 1,2-Dichlorobenzene
 Concen: 20.112 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.4	31.9	95.5

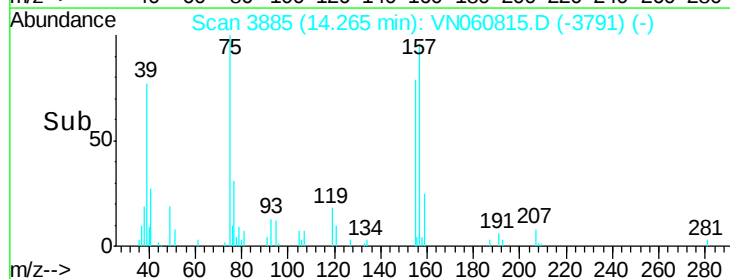
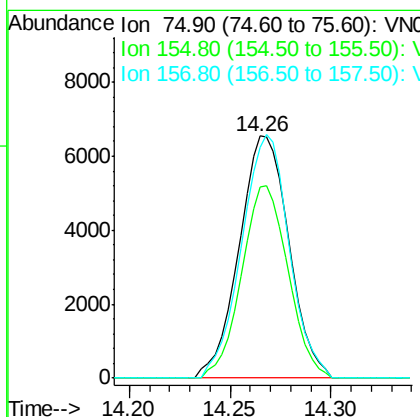
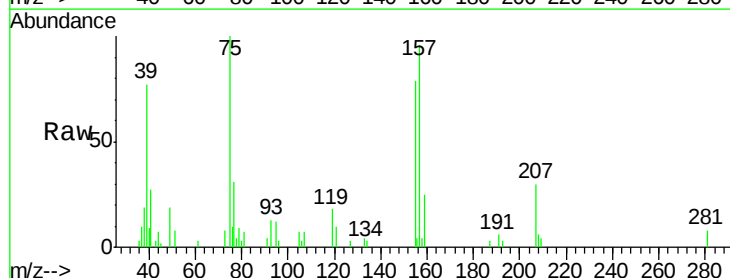
Manual Integrations
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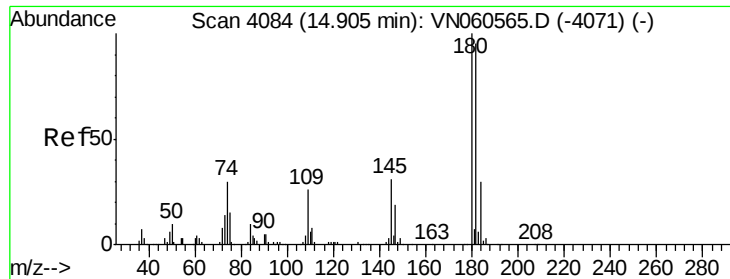
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 4/3/2020 12:06:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.925 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060815.D
 Acq: 2 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	40.7	122.1
157	96.3	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 19.614 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

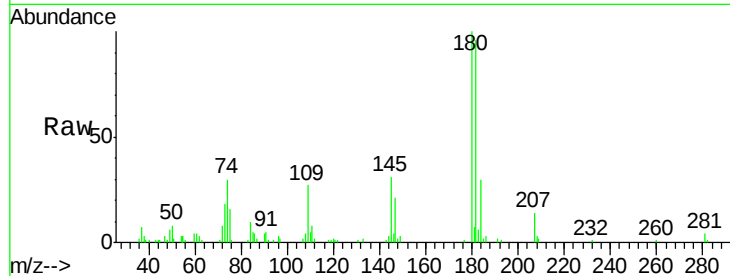
ClientSampled :

VN0402WBS01

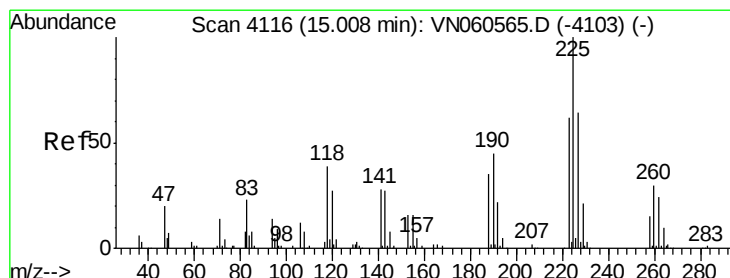
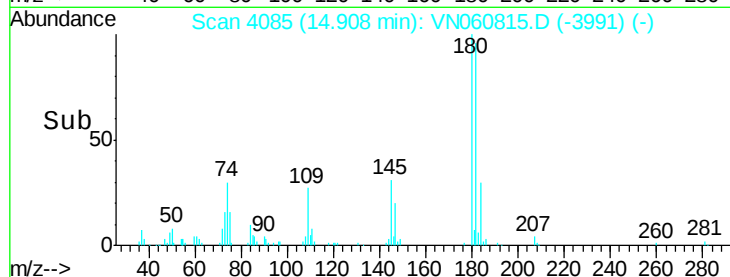
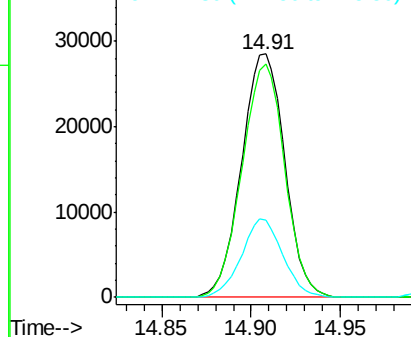
Tot Ion:	180	Resp:	48228
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.8
145	30.7	15.4	46.2

Manual Integrations
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MMDadoda
4/3/2020 12:06:20 PM



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: 21.205 ug/l

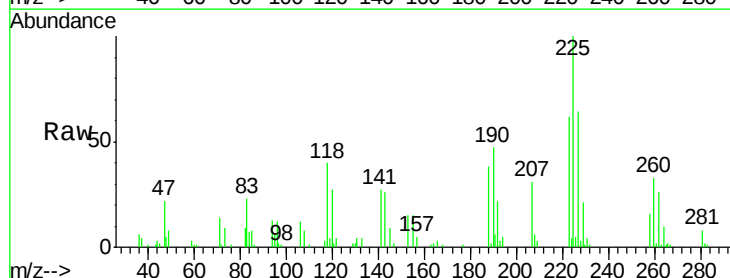
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

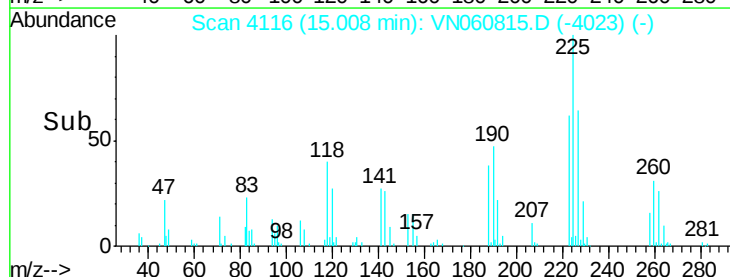
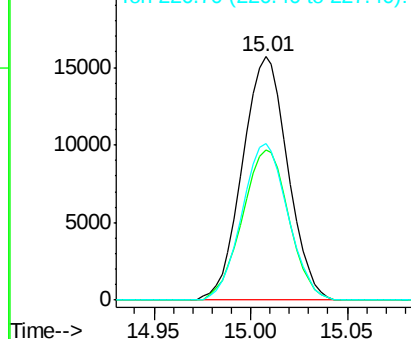
Lab File: VN060815.D

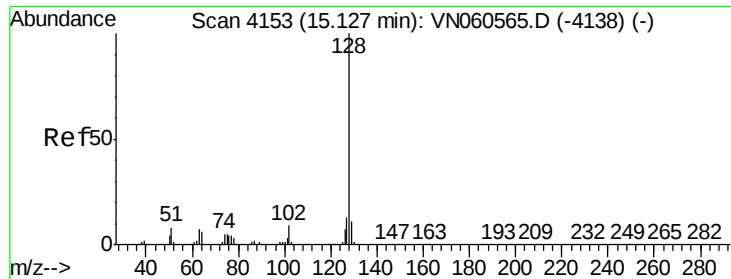
Acq: 2 Apr 2020 11:49

Tgt Ion:	225	Resp:	25560
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.6	95.0
227	65.0	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: 18.235 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Instrument :

MSVOA_N

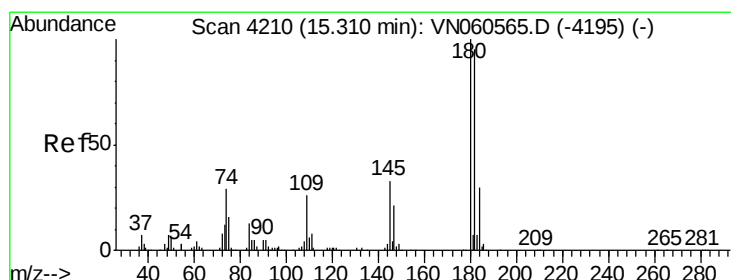
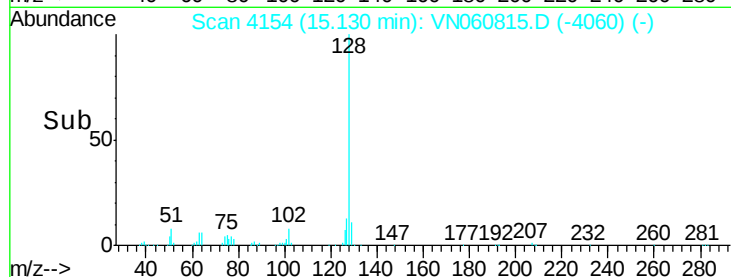
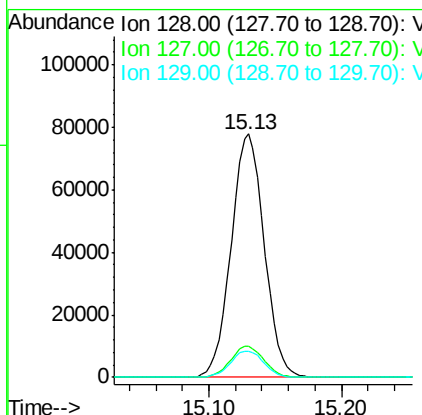
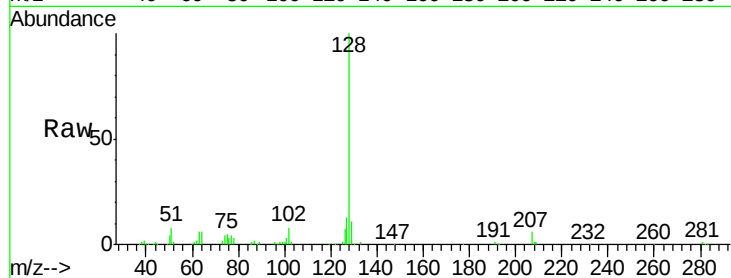
ClientSampled :

VN0402WBS01

Tot Ion:	128	Resp:	134860
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.084 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060815.D

Acq: 2 Apr 2020 11:49

Tgt Ion:	180	Resp:	46219
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.5	142.6
145	33.2	16.3	48.8

