

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060607.D
 Acq On : 18 Mar 2020 22:05
 Operator : JC/MD
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Manual Integrations
 APPROVED

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 3/19/2020 1:59:52 PM

Quant Time: Mar 19 08:19:47 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	197580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	339040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135412	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.57	113	101207	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.08	98	400583	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.40	95	143542	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39910	20.876	ug/l	97
3) Chloromethane	2.04	50	69076	19.346	ug/l	100
4) Vinyl Chloride	2.16	62	55401	19.838	ug/l	99
5) Bromomethane	2.55	94	24835	20.600	ug/l	96
6) Chloroethane	2.69	64	32912	20.458	ug/l	99
7) Trichlorofluoromethane	3.00	101	70062	20.365	ug/l	97
8) Diethyl Ether	3.38	74	28667	20.743	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40372	20.253	ug/l	99
10) Methyl Iodide	3.93	142	38818	21.884	ug/l	99
11) Tert butyl alcohol	4.73	59	37630	94.335	ug/l	98
12) 1,1-Dichloroethene	3.72	96	43174	20.183	ug/l	97
13) Acrolein	3.58	56	36132	81.729	ug/l	98
14) Allyl chloride	4.29	41	79964	21.254	ug/l	94
15) Acrylonitrile	4.94	53	119143	101.572	ug/l	99
16) Acetone	3.78	43	95752	99.663	ug/l	99
17) Carbon Disulfide	4.03	76	131171	20.162	ug/l	100
18) Methyl Acetate	4.29	43	53311	19.713	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	149516	20.329	ug/l	97
20) Methylene Chloride	4.52	84	47457	20.080	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	46198	20.263	ug/l	98
22) Diisopropyl ether	5.91	45	165968	20.880	ug/l	98
23) Vinyl Acetate	5.86	43	677454	104.457	ug/l	100
24) 1,1-Dichloroethane	5.82	63	90222	20.821	ug/l	99
25) 2-Butanone	6.80	43	156717	100.804	ug/l	99
26) 2,2-Dichloropropane	6.79	77	67059	19.669	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52685	20.335	ug/l	100
28) Bromochloromethane	7.17	49	39996	19.292	ug/l	100
29) Tetrahydrofuran	7.18	42	110721	100.656	ug/l	100
30) Chloroform	7.35	83	84968	20.454	ug/l	98
31) Cyclohexane	7.63	56	86918	19.896	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	74690	20.857	ug/l	99
36) 1,1-Dichloropropene	7.77	75	66790	20.344	ug/l	100
37) Ethyl Acetate	6.90	43	69870	19.697	ug/l	99
38) Carbon Tetrachloride	7.75	117	58066	19.734	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75592	19.376	ug/l	99
40) Benzene	8.02	78	199136	20.094	ug/l	100
41) Methacrylonitrile	7.15	41	34776m	22.971	ug/l	
42) 1,2-Dichloroethane	8.10	62	68378	20.189	ug/l	99
43) Isopropyl Acetate	8.14	43	116841	19.972	ug/l	100
44) Trichloroethene	8.82	130	51326	20.544	ug/l	99
45) 1,2-Dichloropropane	9.10	63	53531	20.470	ug/l	97
46) Dibromomethane	9.19	93	32376	20.479	ug/l	99
47) Bromodichloromethane	9.39	83	66167	20.141	ug/l	99
48) Methyl methacrylate	9.18	41	49586	19.037	ug/l	98
49) 1,4-Dioxane	9.18	88	11345	366.445	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	337721	101.448	ug/l	100
52) Toluene	10.14	92	120111	20.068	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	75054	19.889	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	82170	19.848	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	46323	20.118	ug/l	98
56) Ethyl methacrylate	10.42	69	71077	19.797	ug/l	99
57) 1,3-Dichloropropane	10.70	76	81234	20.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	164281	92.064	ug/l	99
59) 2-Hexanone	10.74	43	237103	98.873	ug/l	100
60) Dibromochloromethane	10.89	129	47823	20.107	ug/l	99
61) 1,2-Dibromoethane	11.00	107	47044	20.318	ug/l	99
64) Tetrachloroethene	10.62	164	50412	20.815	ug/l	99
65) Chlorobenzene	11.43	112	121946	19.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44220	20.017	ug/l	99
67) Ethyl Benzene	11.50	91	227364	20.039	ug/l	100
68) m/p-Xylenes	11.61	106	166680	39.532	ug/l	98
69) o-Xylene	11.94	106	80212	19.928	ug/l	99
70) Styrene	11.96	104	129636	19.693	ug/l	99
71) Bromoform	12.12	173	32997	19.048	ug/l #	99
73) Isopropylbenzene	12.24	105	213859	20.215	ug/l	100
74) N-amyl acetate	12.06	43	96057	19.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	63631	19.889	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	64092m	21.070	ug/l	
77) Bromobenzene	12.52	156	50845	19.945	ug/l	100
78) n-propylbenzene	12.59	91	248820	19.907	ug/l	100
79) 2-Chlorotoluene	12.67	91	145241	19.448	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	177218	19.739	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22613	19.092	ug/l	99
82) 4-Chlorotoluene	12.77	91	153791	20.219	ug/l	99
83) tert-Butylbenzene	12.99	119	147277	19.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	176338	19.854	ug/l	100
85) sec-Butylbenzene	13.17	105	197680	19.752	ug/l	100
86) p-Isopropyltoluene	13.28	119	176181	19.577	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	89701	19.951	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	89177	19.741	ug/l	99
89) n-Butylbenzene	13.61	91	156020	19.202	ug/l	100
90) Hexachloroethane	13.87	117	25384	19.405	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	87148	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12774	18.896	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50334	19.065	ug/l	100
94) Hexachlorobutadiene	15.00	225	24525	18.949	ug/l	99
95) Naphthalene	15.13	128	149376	18.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49726	19.122	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:168 Resp: 197580

Ion Ratio Lower Upper

168 100

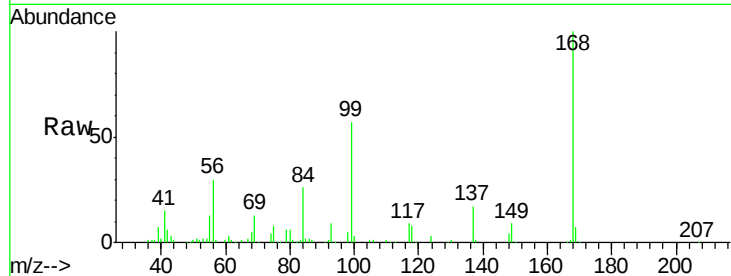
99 57.1 44.0 66.0

Manual Integrations

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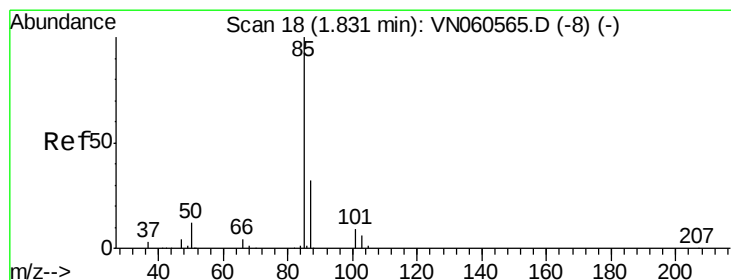
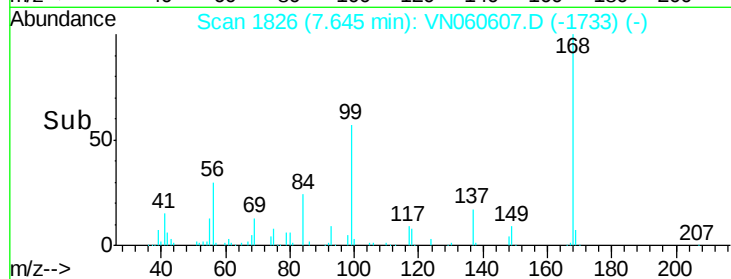
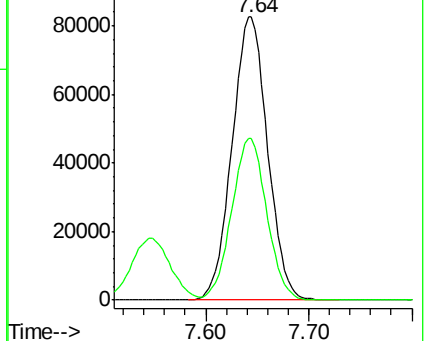
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.876 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060607.D

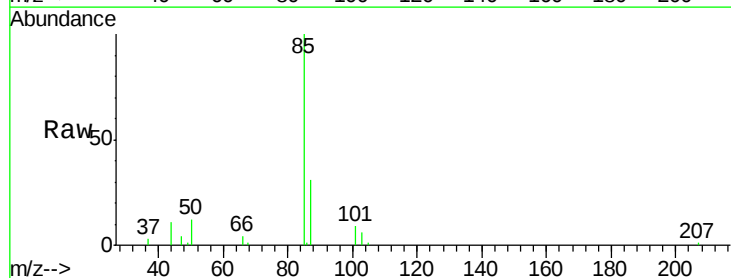
Acq: 18 Mar 2020 22:05

Tgt Ion: 85 Resp: 39910

Ion Ratio Lower Upper

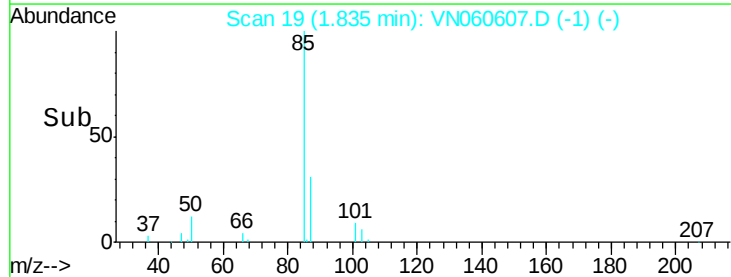
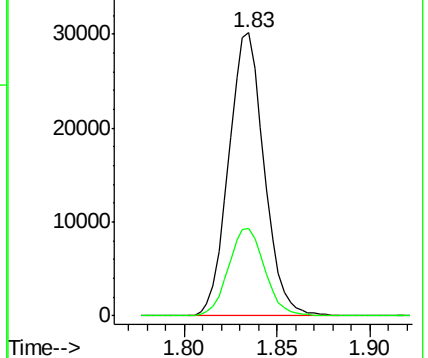
85 100

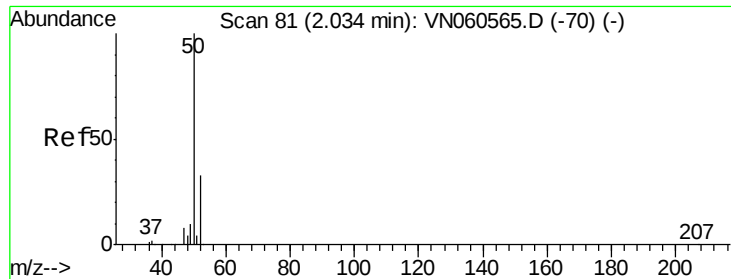
87 30.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.346 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 50 Resp: 69076

Ion Ratio Lower Upper

50 100

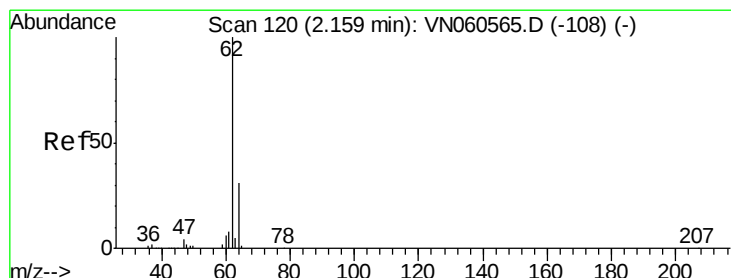
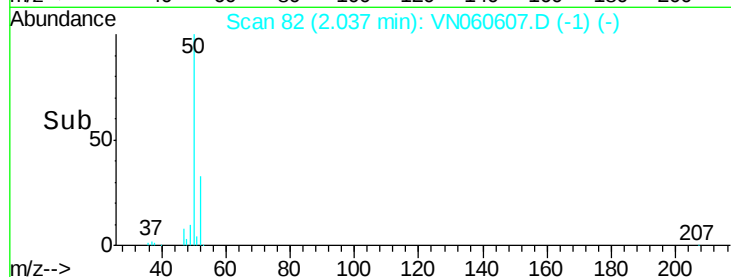
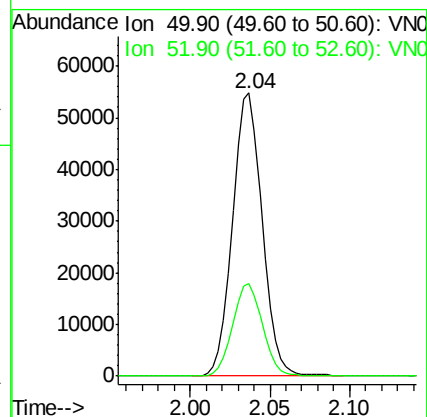
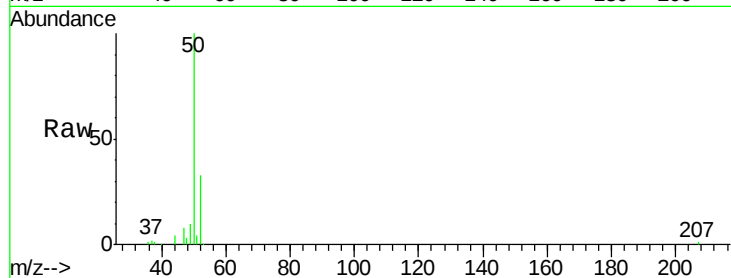
52 32.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 19.838 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060607.D

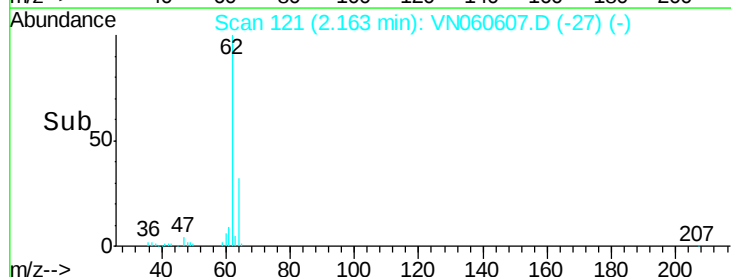
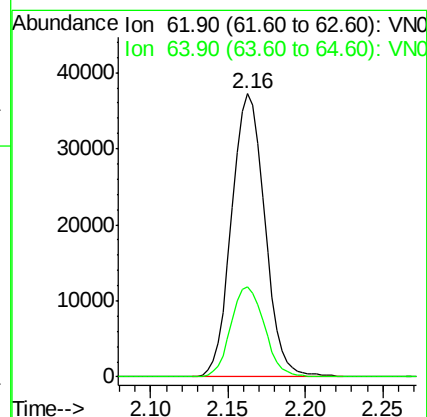
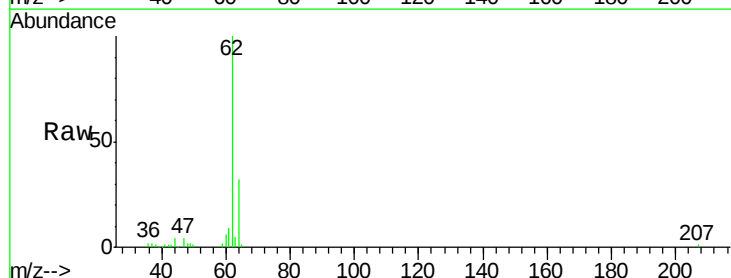
Acq: 18 Mar 2020 22:05

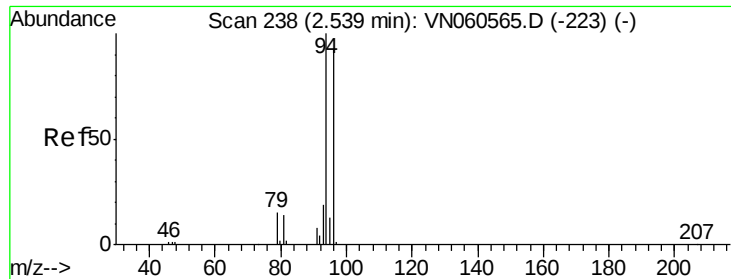
Tgt Ion: 62 Resp: 55401

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 20.600 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 94 Resp: 24835

Ion Ratio Lower Upper

94 100

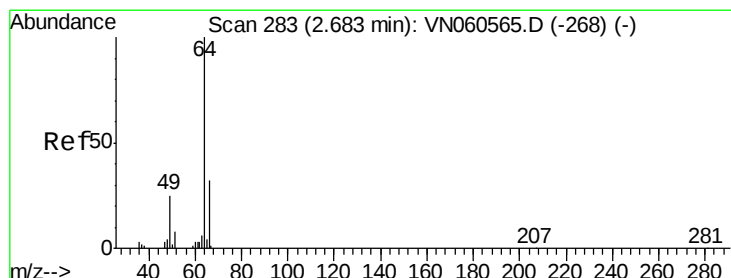
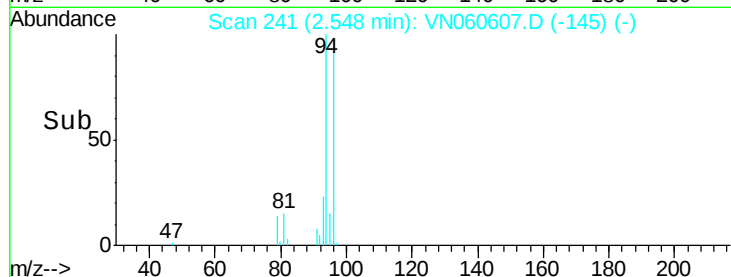
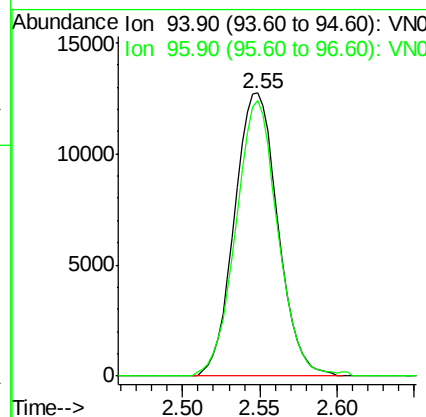
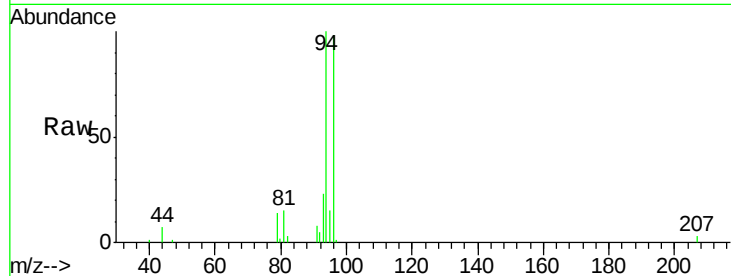
96 97.5 74.6 112.0

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3/19/2020 1:59:52 PM



#6

Chloroethane

Concen: 20.458 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060607.D

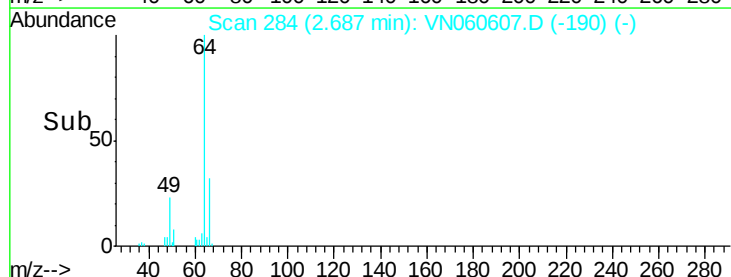
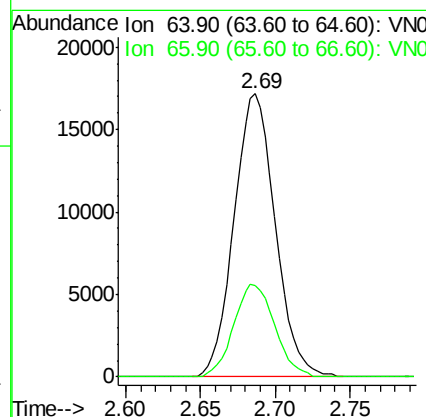
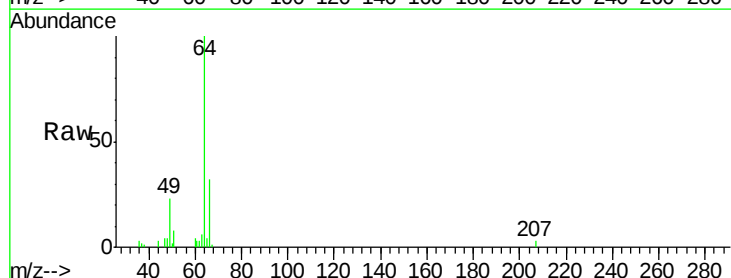
Acq: 18 Mar 2020 22:05

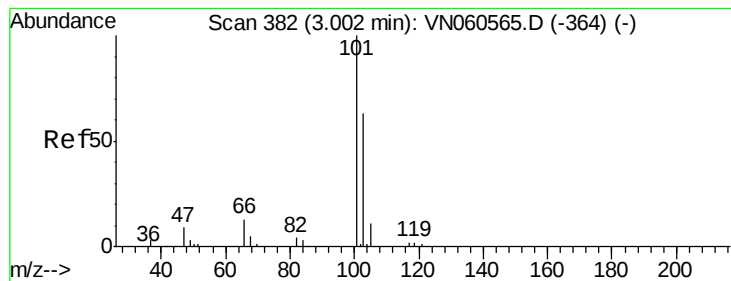
Tgt Ion: 64 Resp: 32912

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.365 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.00 min

Lab File: VN060607.D

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Tot Ion: 101 Resp: 70062

Ion Ratio Lower Upper

101 100

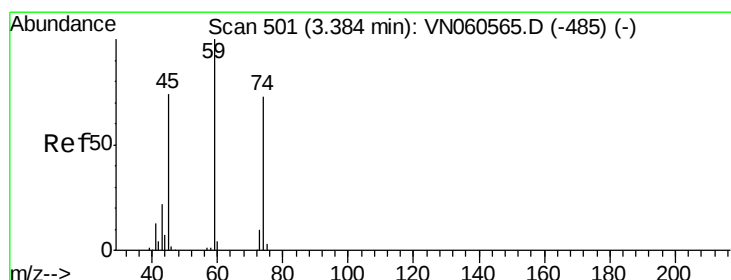
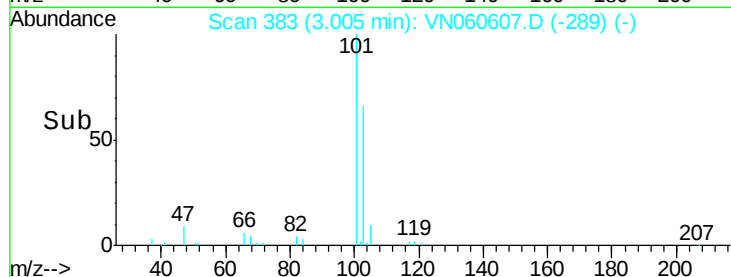
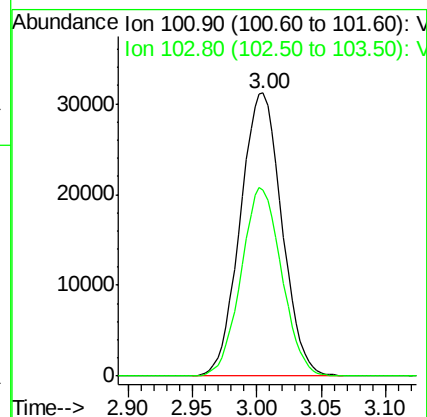
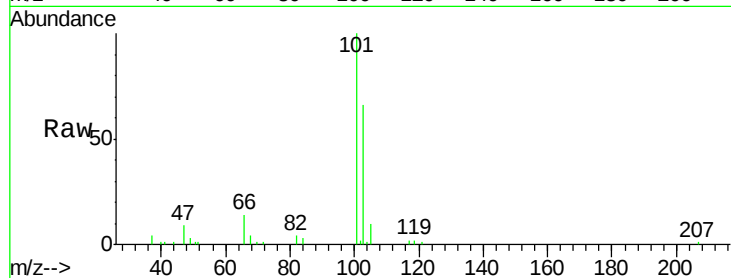
103 65.8 50.6 76.0

Manual Integrations

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3/19/2020 1:59:52 PM



#8

Diethyl Ether

Concen: 20.743 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN060607.D

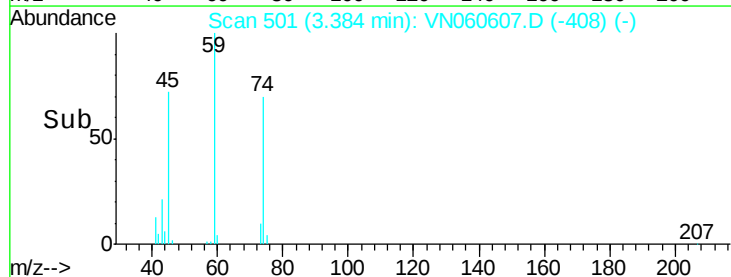
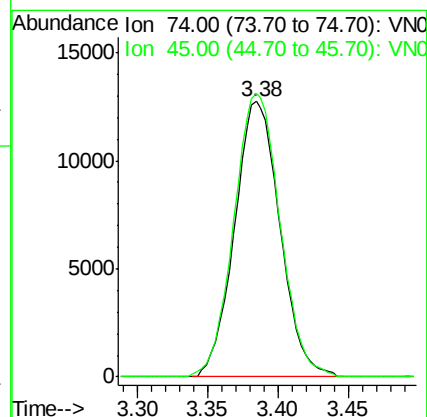
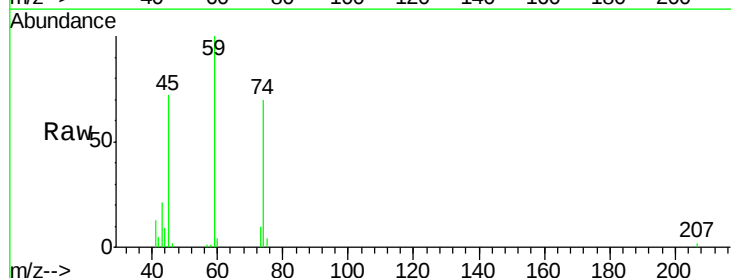
Acq: 18 Mar 2020 22:05

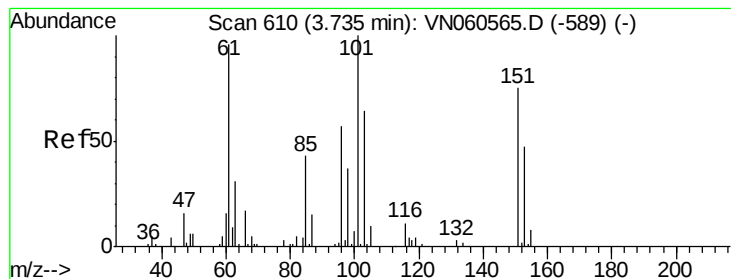
Tgt Ion: 74 Resp: 28667

Ion Ratio Lower Upper

74 100

45 104.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.253 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

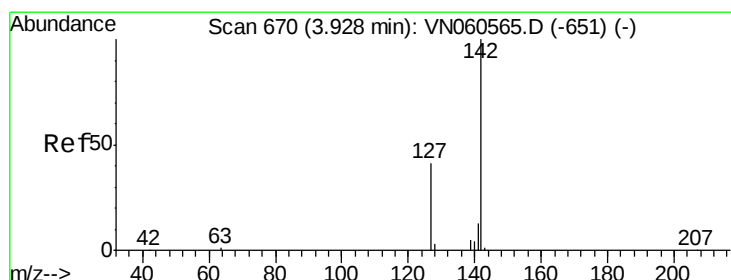
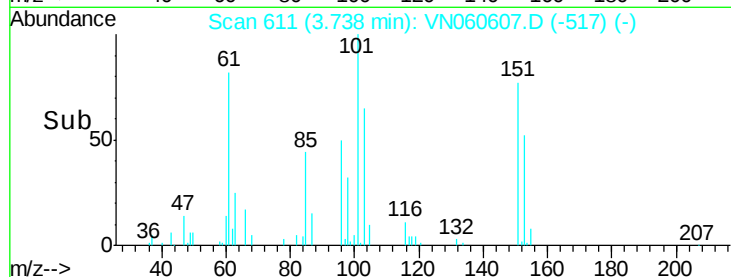
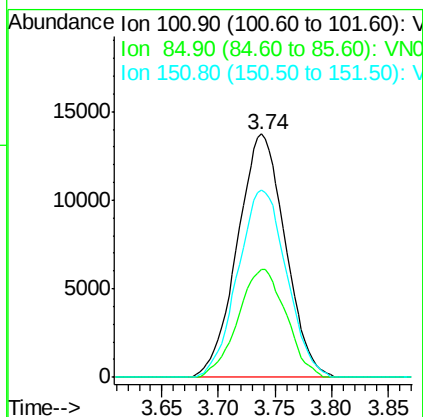
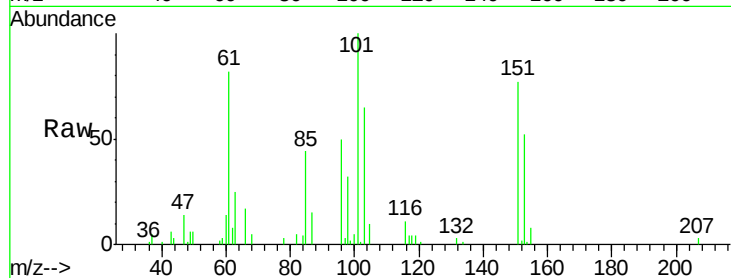
ClientSampleId :

VN0318WBS02

Tot Ion:	101	Resp:	40372
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	78.5	61.4	92.2

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#10

Methyl Iodide

Concen: 21.884 ug/l

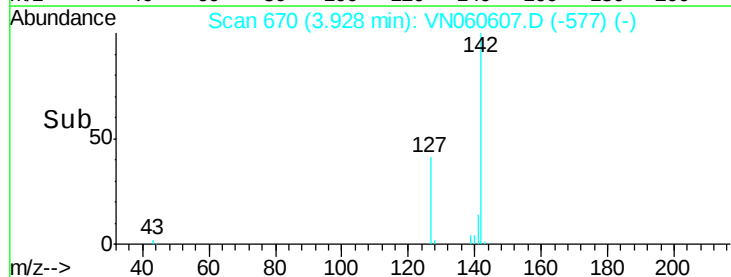
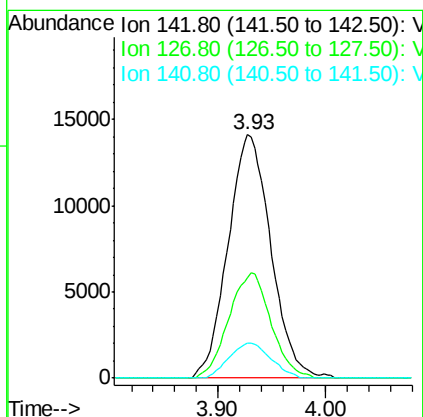
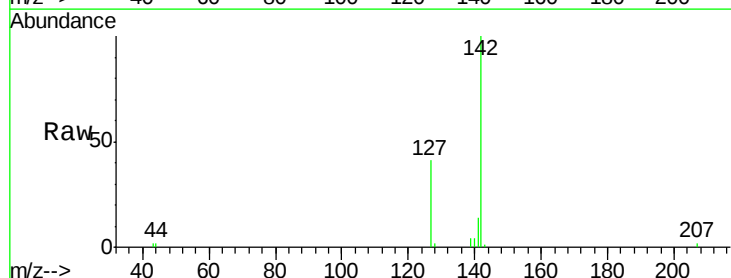
RT: 3.93 min Scan# 670

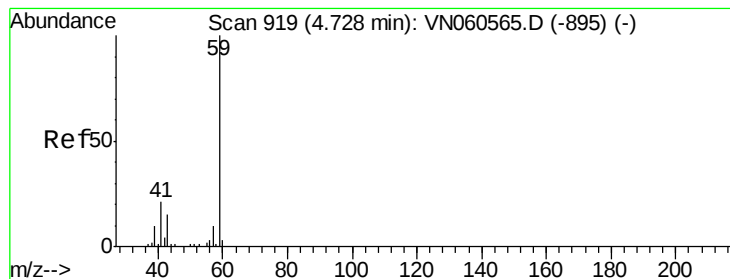
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	142	Resp:	38818
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.5	50.3
141	14.0	11.0	16.6





#11

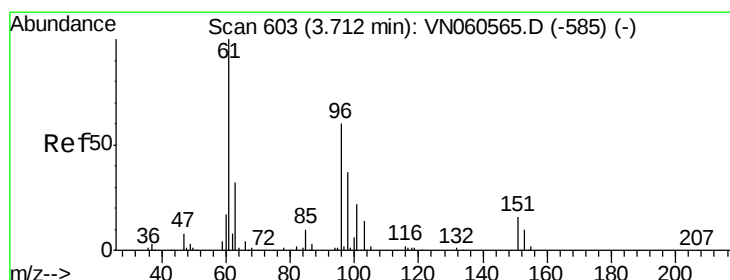
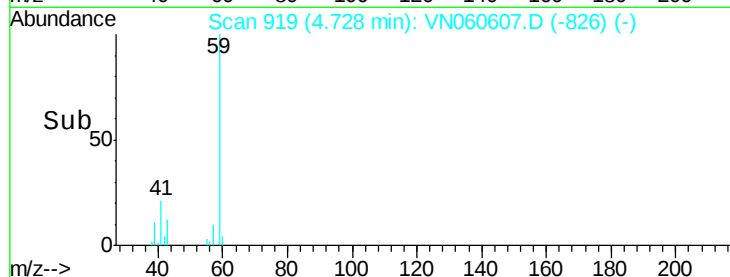
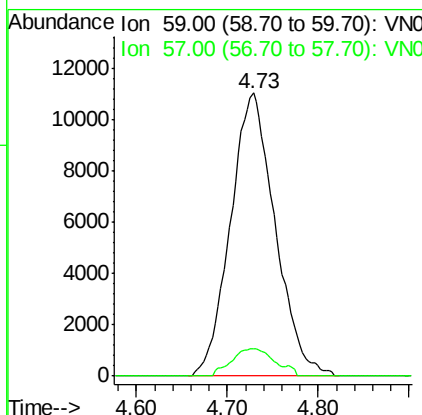
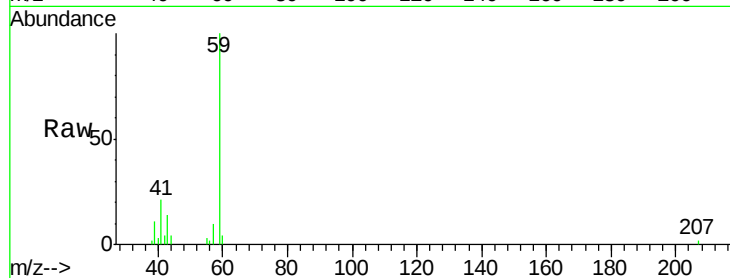
Tert butyl alcohol
 Concen: 94.335 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

Manual Integrations
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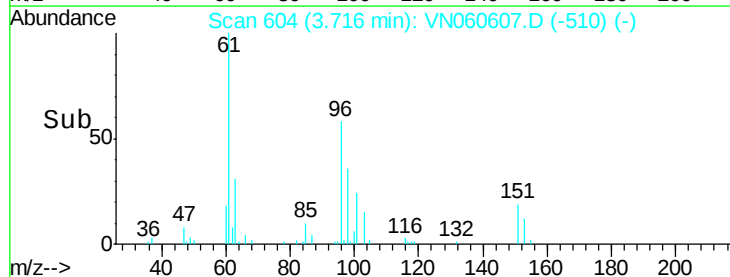
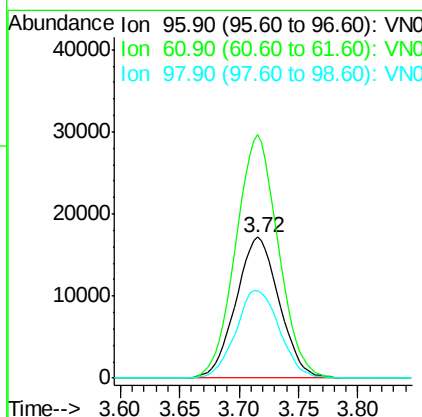
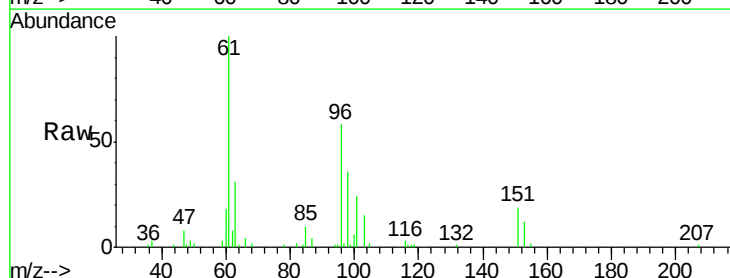
MMDadoda
 3/19/2020 1:59:52 PM

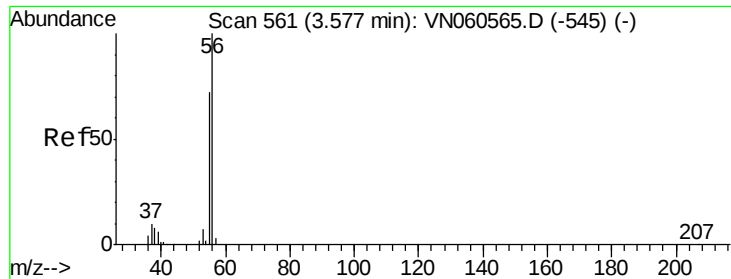


#12

1,1-Dichloroethene
 Concen: 20.183 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.1	201.1
98	62.4	49.9	74.9





#13

Acrolein

Concen: 81.729 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 56 Resp: 36132

Ion Ratio Lower Upper

56 100

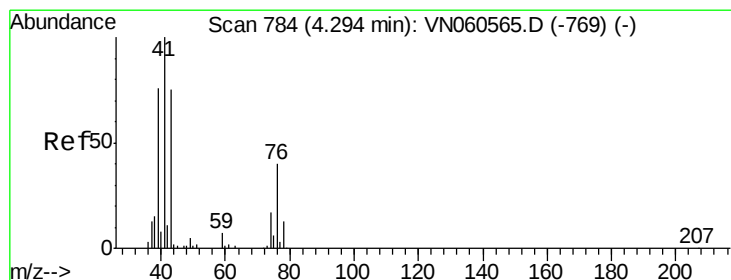
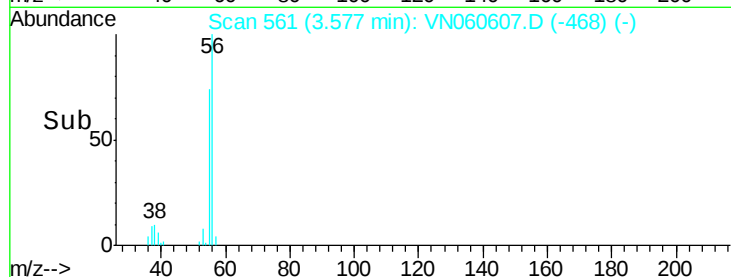
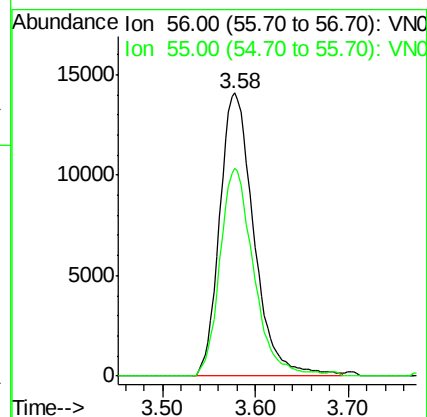
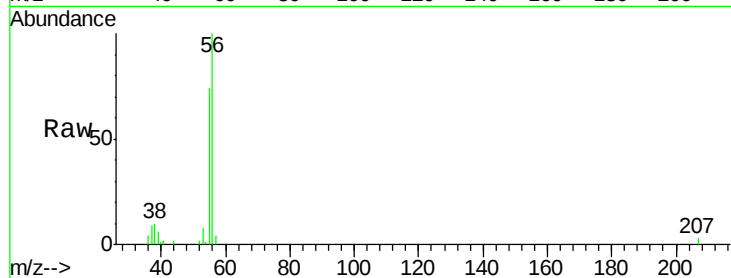
55 72.2 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.254 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

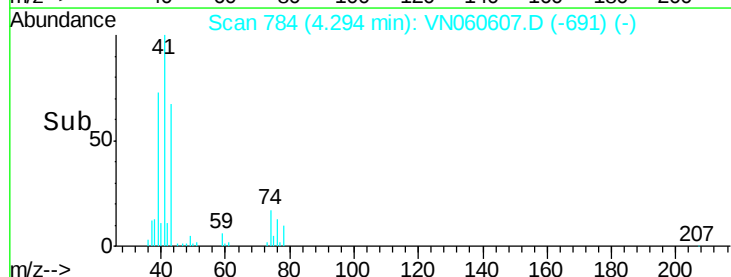
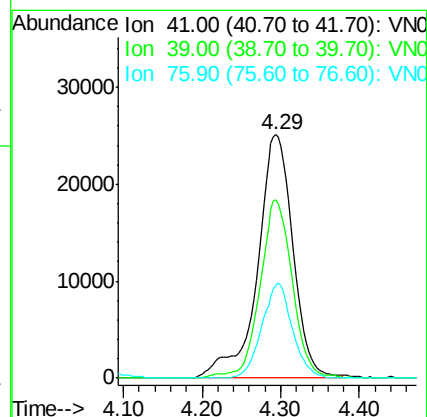
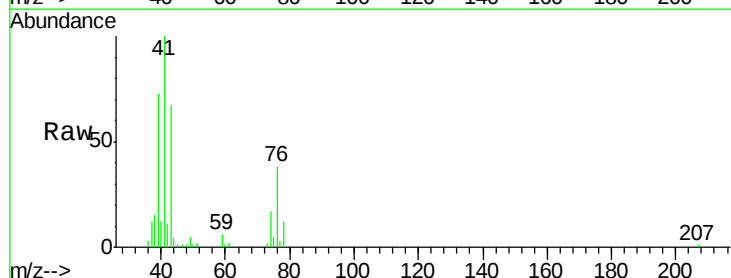
Tgt Ion: 41 Resp: 79964

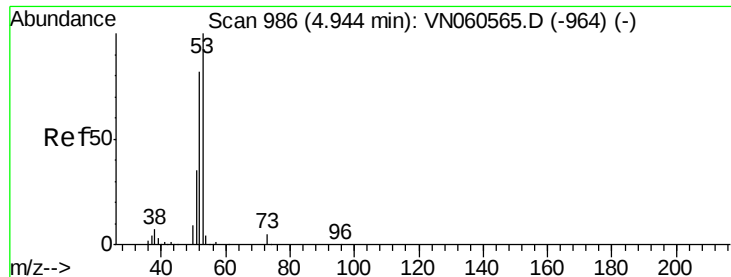
Ion Ratio Lower Upper

41 100

39 66.9 57.8 86.8

76 33.4 28.6 43.0





#15

Acrylonitrile

Concen: 101.572 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

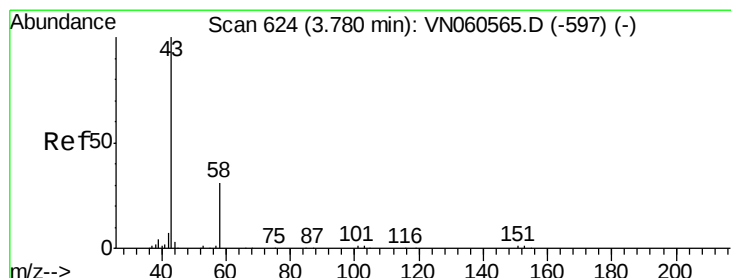
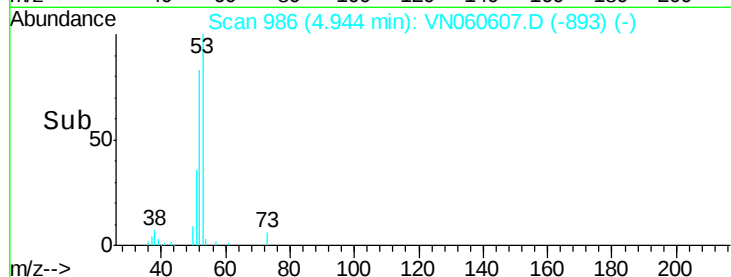
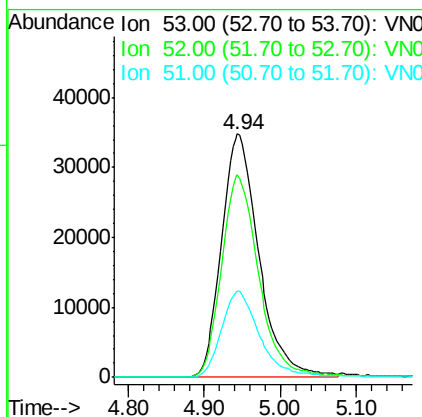
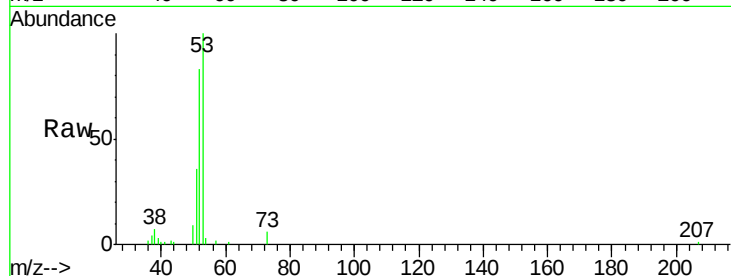
ClientSampleId :

VN0318WBS02

Tot Ion:	53	Resp:	119143
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 99.663 ug/l

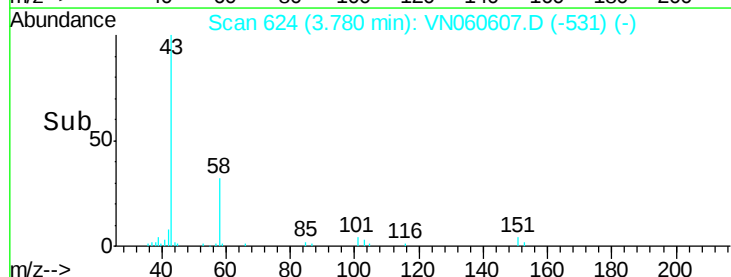
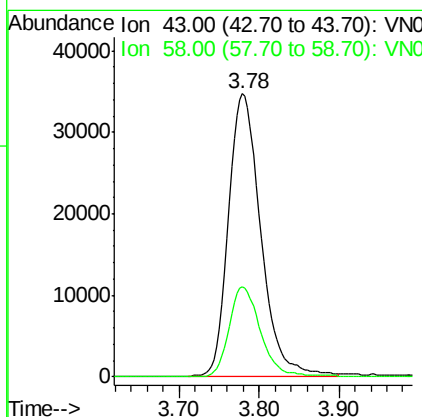
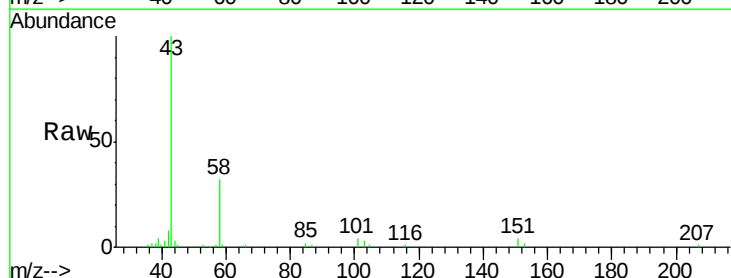
RT: 3.78 min Scan# 624

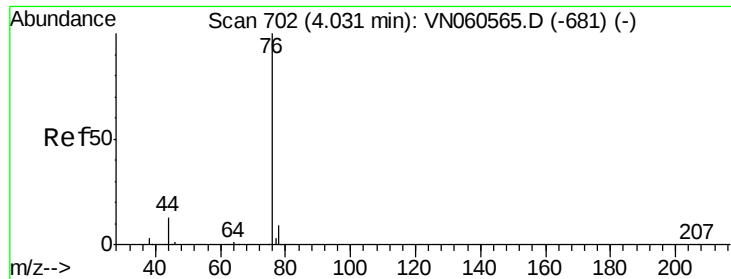
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	43	Resp:	95752
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.1	37.7





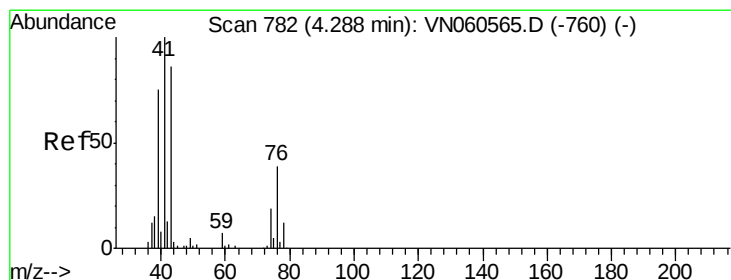
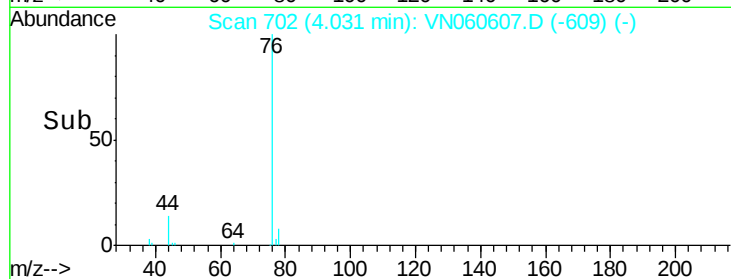
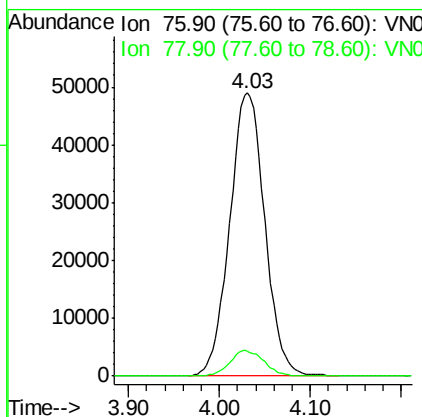
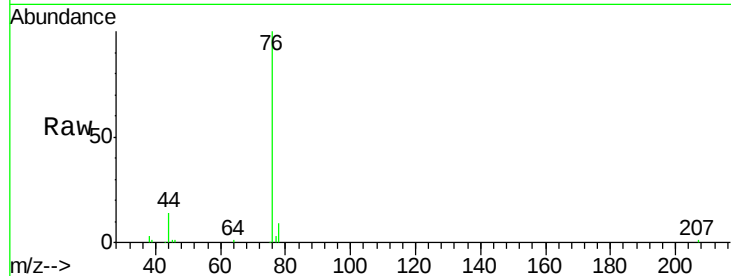
#17
Carbon Disulfide
Concen: 20.162 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

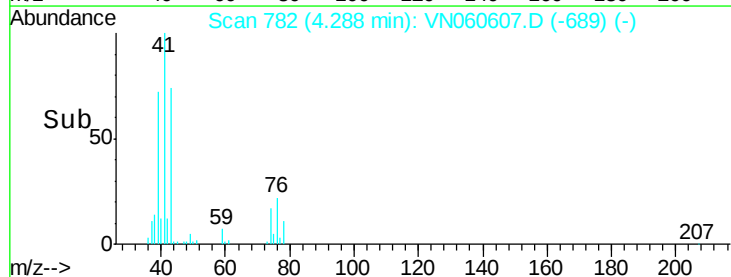
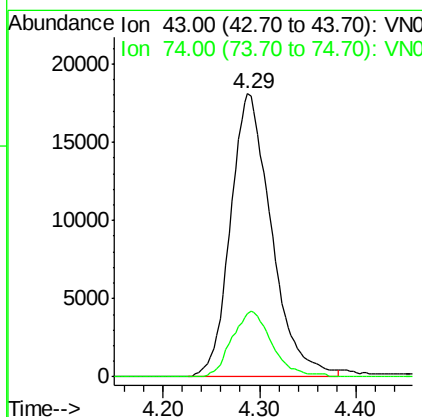
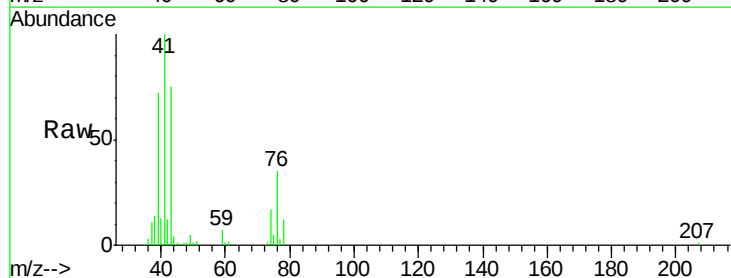
Manual Integrations
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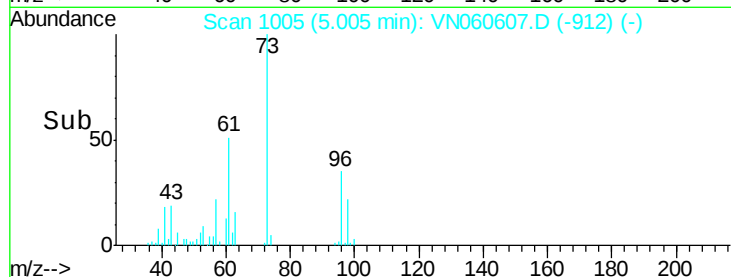
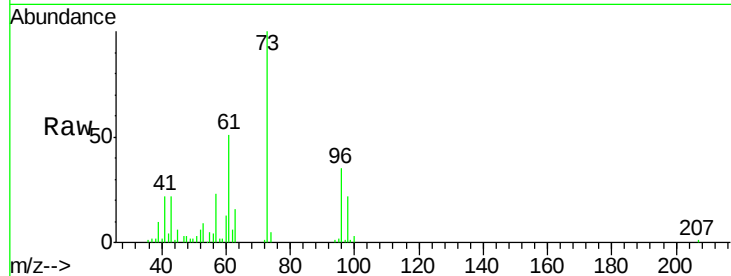
MMDadoda
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#18
Methyl Acetate
Concen: 19.713 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.5	26.3





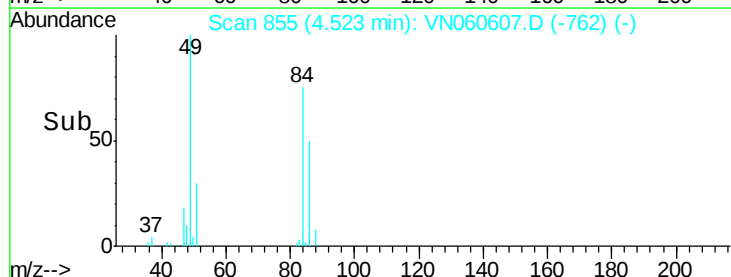
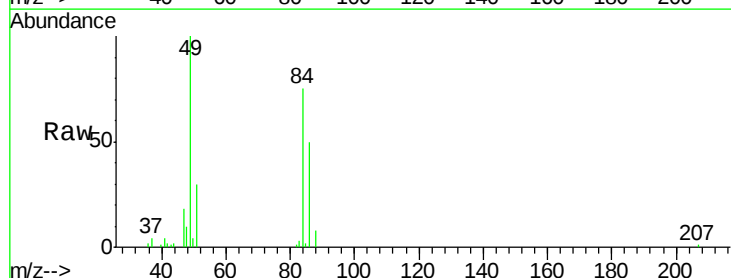
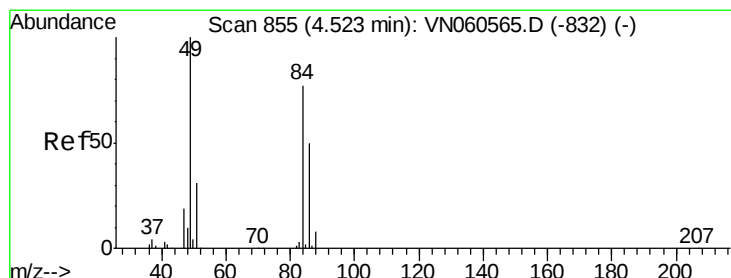
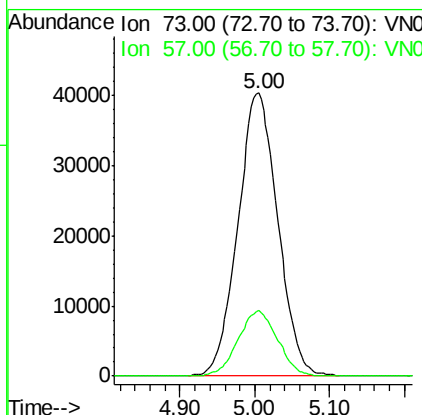
#19
Methyl tert-butyl Ether
Concen: 20.329 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tot Ion: 73 Resp: 149516
Ion Ratio Lower Upper
73 100
57 23.1 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

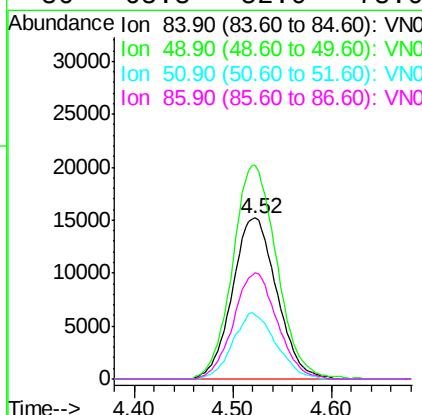
Manual Integrations
APPROVED

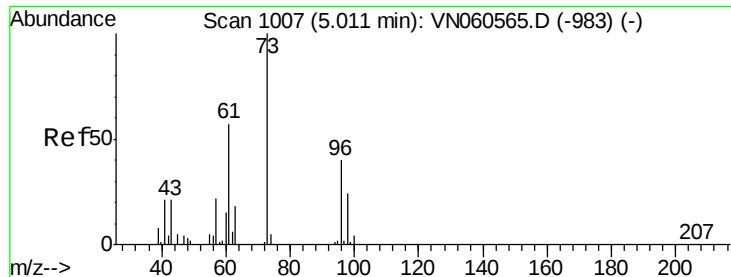
MMDadoda
3/19/2020 1:59:52 PM



#20
Methylene Chloride
Concen: 20.080 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion: 84 Resp: 47457
Ion Ratio Lower Upper
84 100
49 132.8 103.3 154.9
51 40.1 31.6 47.4
86 65.8 52.0 78.0





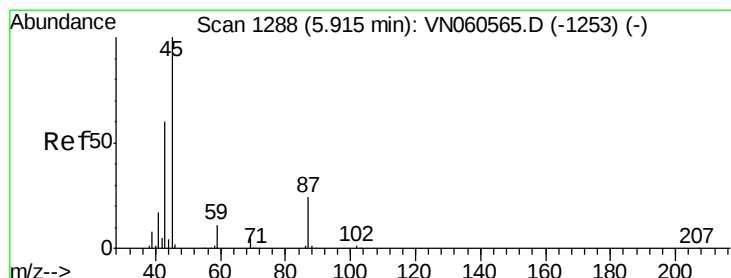
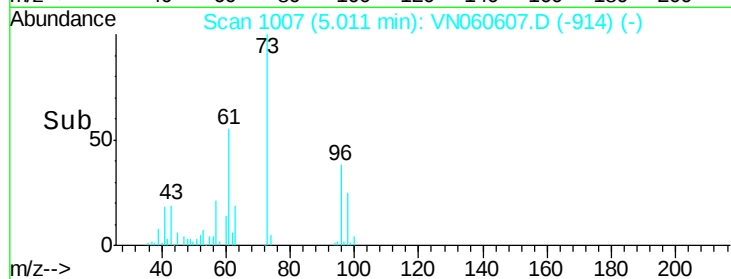
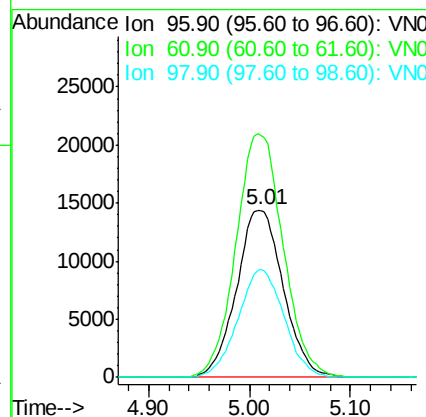
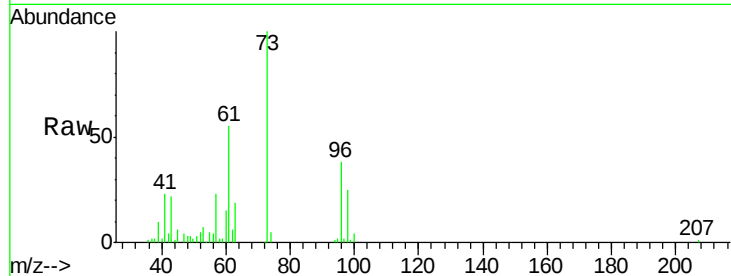
#21
trans-1,2-Dichloroethene
Concen: 20.263 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	114.4	171.6
98	64.3	48.4	72.6

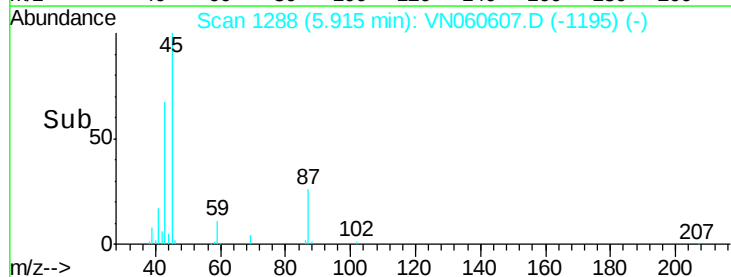
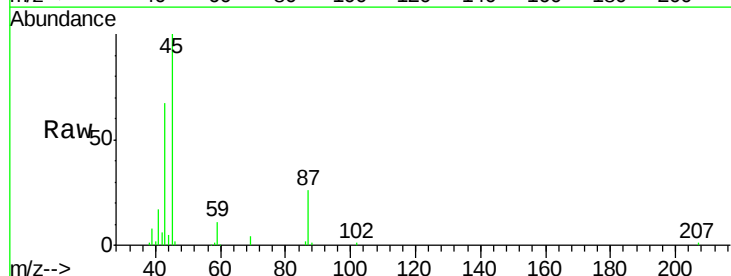
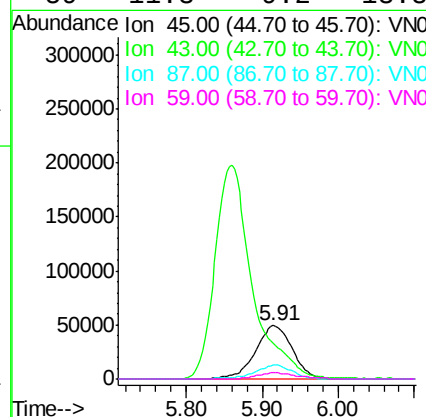
Manual Integrations
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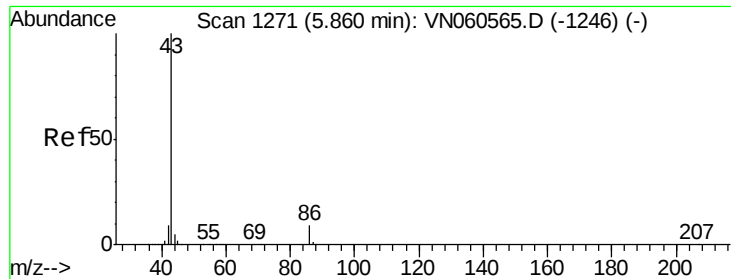
MMDadoda
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#22
Diisopropyl ether
Concen: 20.880 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.8	49.8	74.8
87	25.6	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 104.457 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 43 Resp: 677454

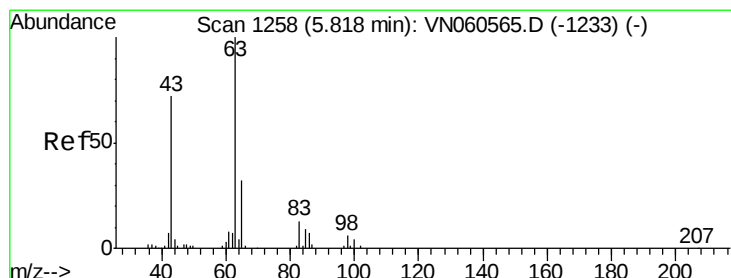
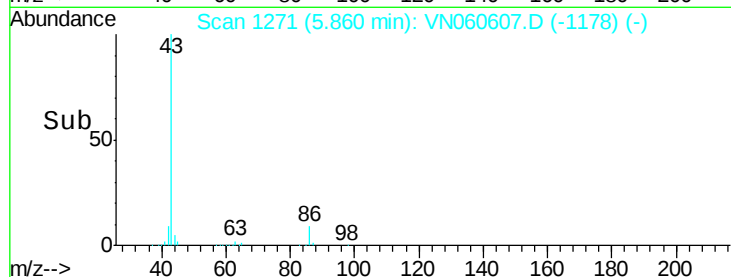
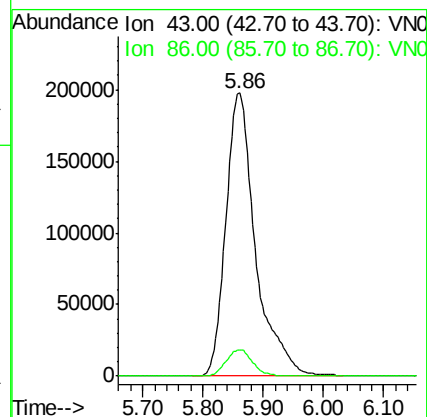
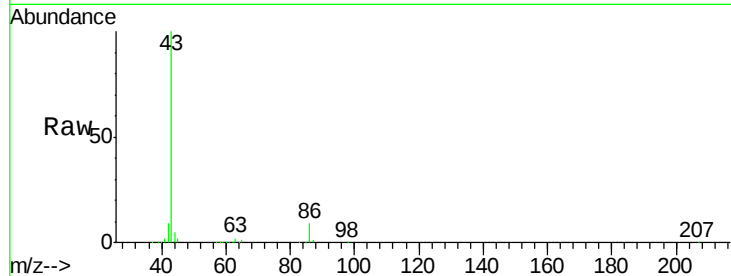
Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4

Manual Integrations
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3/19/2020 1:59:52 PM



#24

1,1-Dichloroethane

Concen: 20.821 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

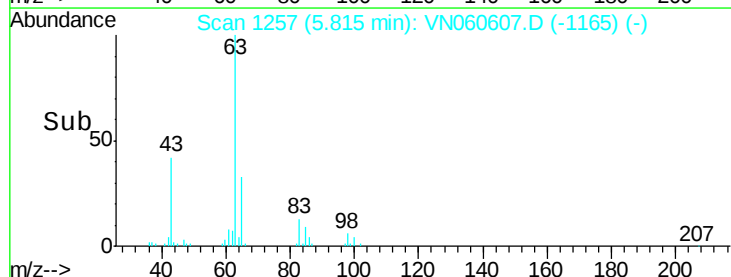
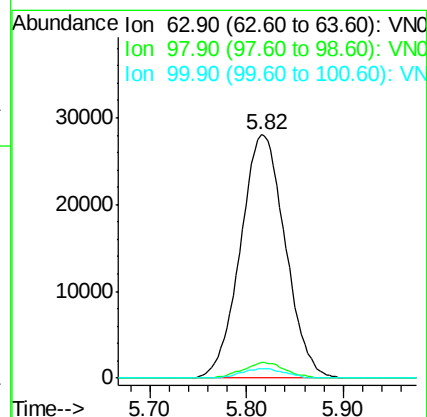
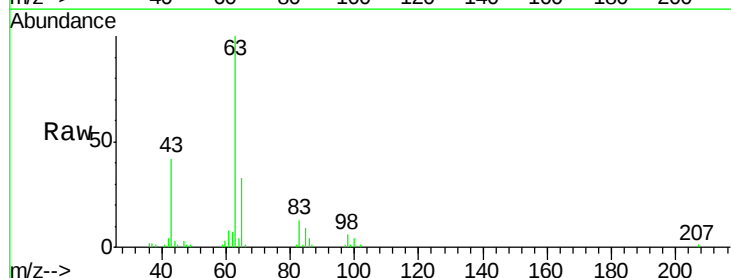
Tgt Ion: 63 Resp: 90222

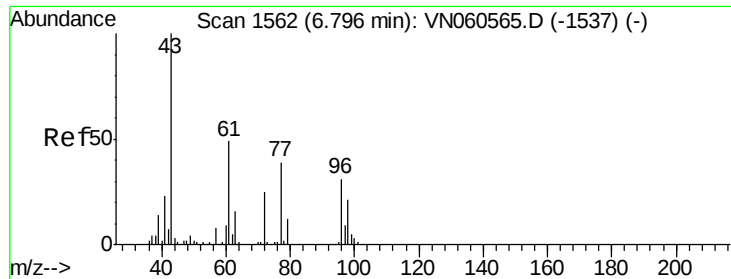
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.0 1.8 5.5





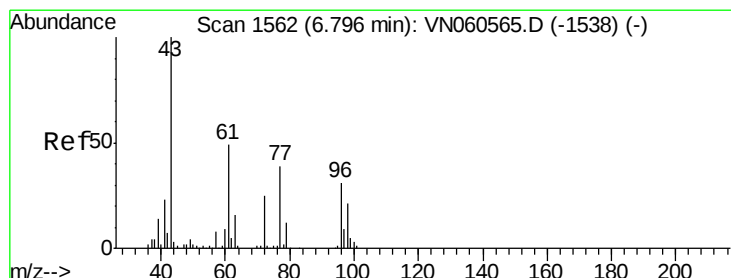
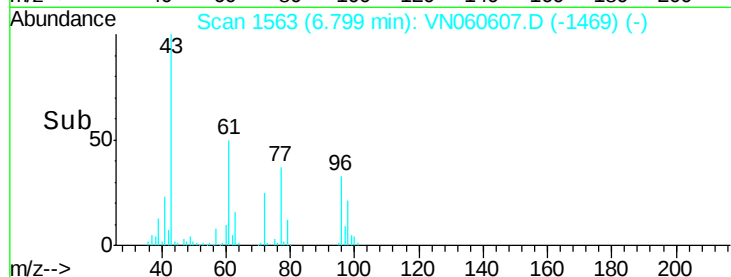
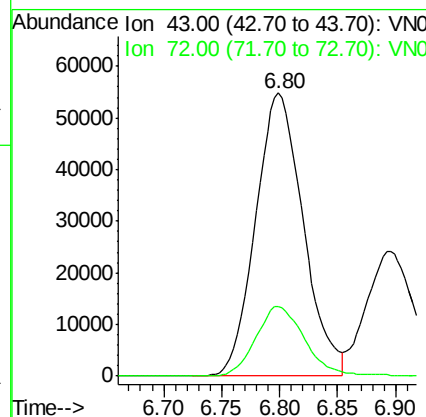
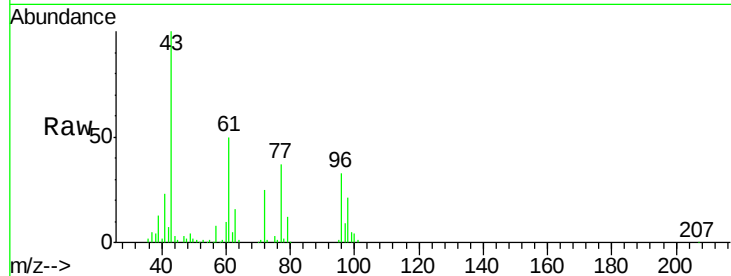
#25
2-Butanone
Concen: 100.804 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 43 Resp: 156717
Ion Ratio Lower Upper
43 100
72 24.7 20.4 30.6

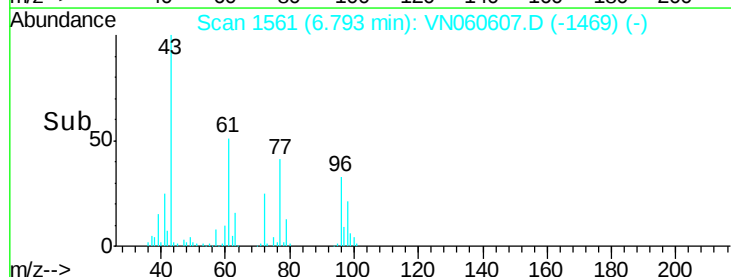
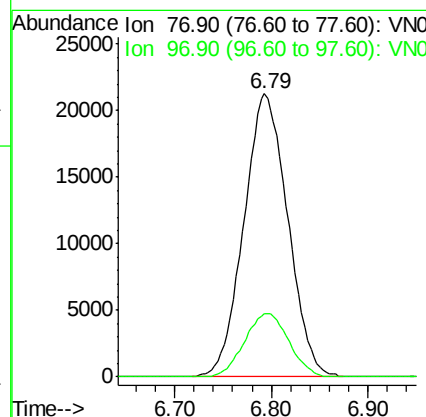
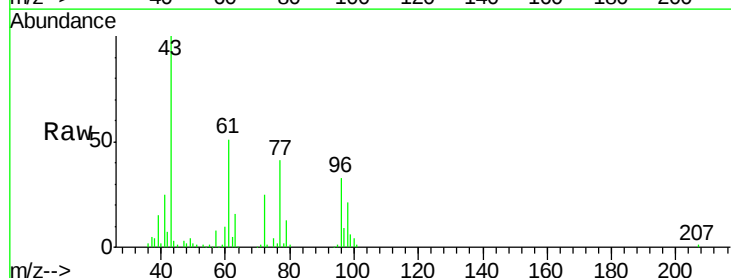
Manual Integrations
APPROVED

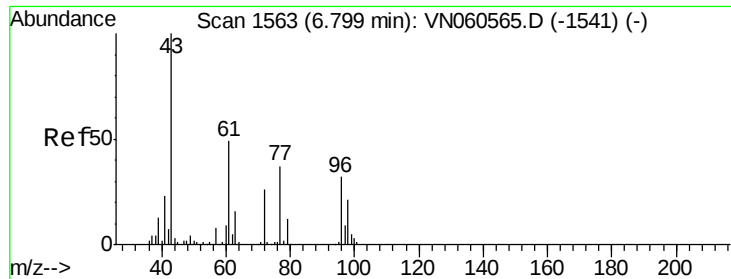
MMDadoda
3/19/2020 1:59:52 PM



#26
2,2-Dichloropropane
Concen: 19.669 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion: 77 Resp: 67059
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





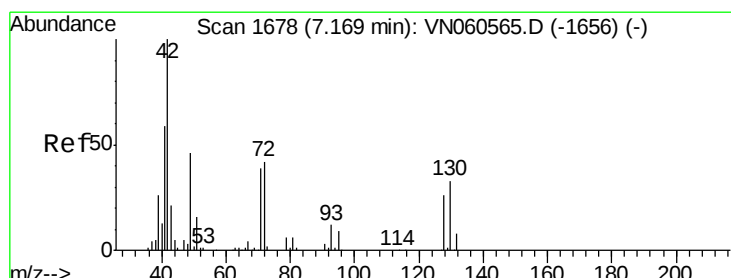
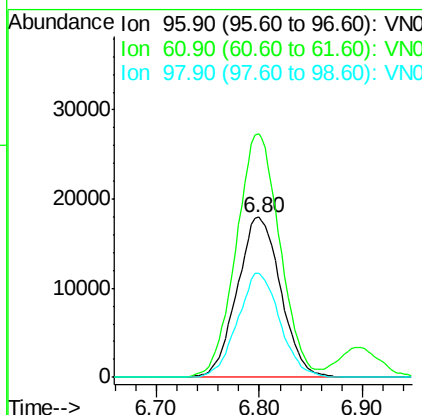
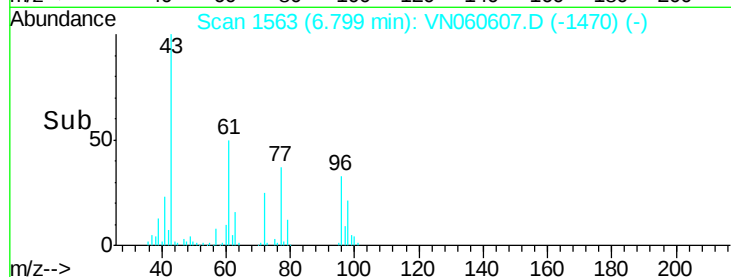
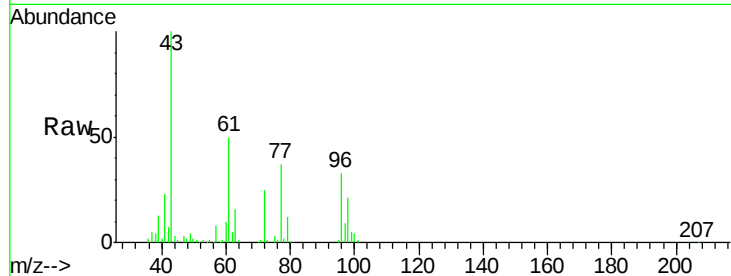
#27
 cis-1,2-Dichloroethene
 Concen: 20.335 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	305.6
98	63.1	0.0	127.6

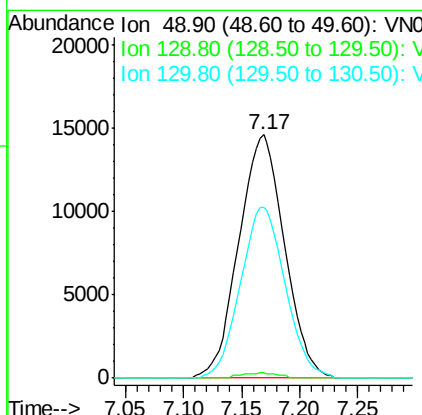
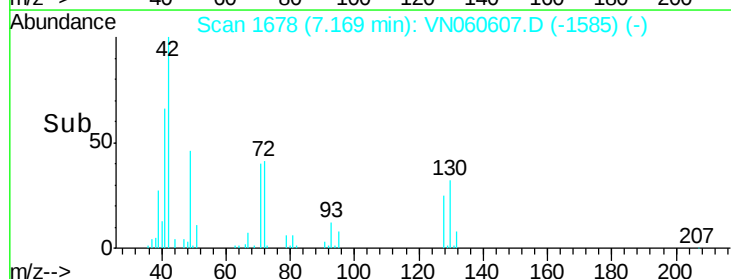
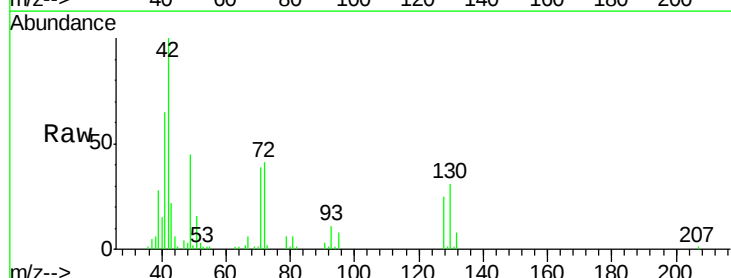
Manual Integrations
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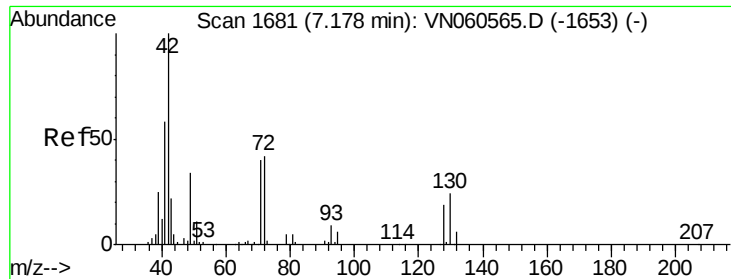
MMDadoda
 3/19/2020 1:59:52 PM



#28
 Bromochloromethane
 Concen: 19.292 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.8	55.0	82.4





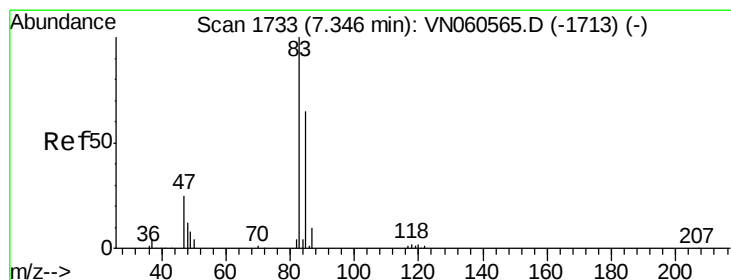
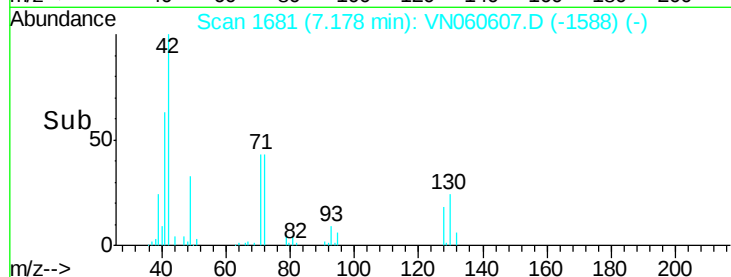
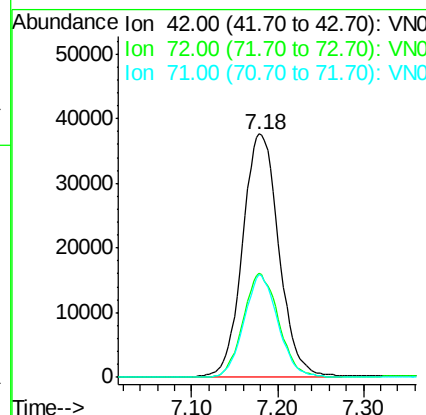
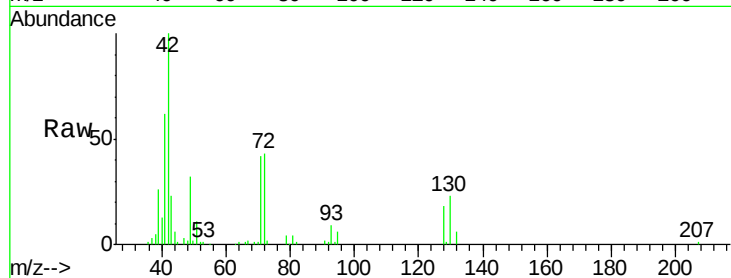
#29
Tetrahydrofuran
Concen: 100.656 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.2	49.8
71	39.3	31.1	46.7

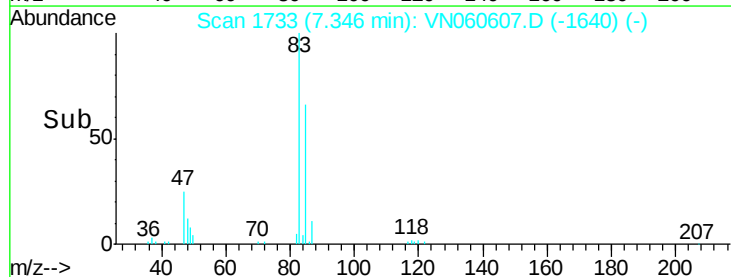
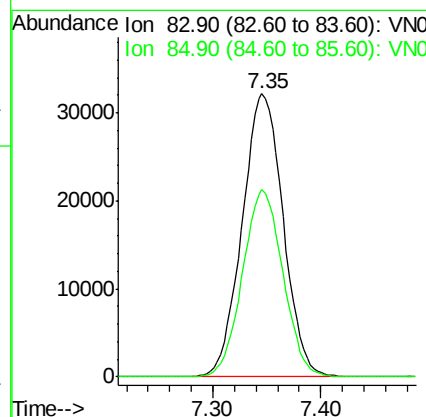
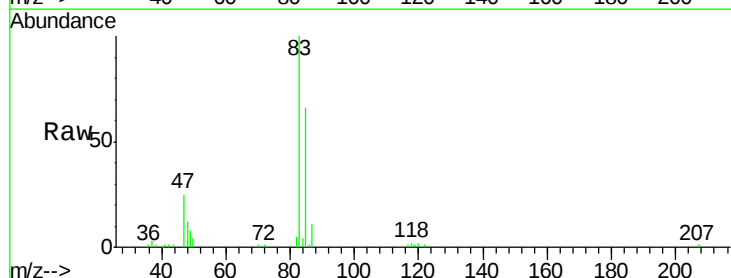
Manual Integrations
APPROVED

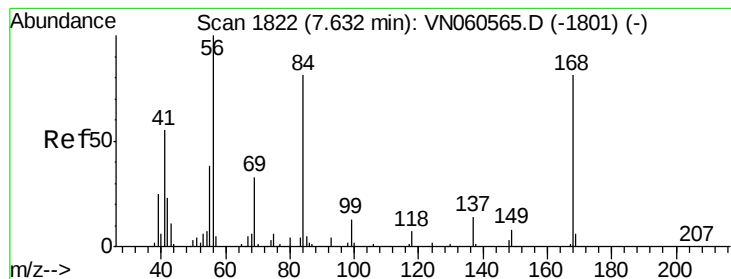
MMDadoda
3/19/2020 1:59:52 PM



#30
Chloroform
Concen: 20.454 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8





#31

Cyclohexane

Concen: 19.896 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

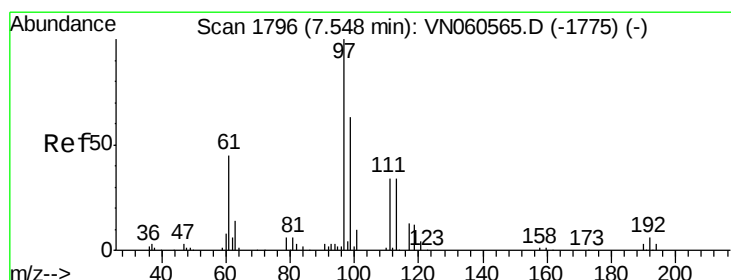
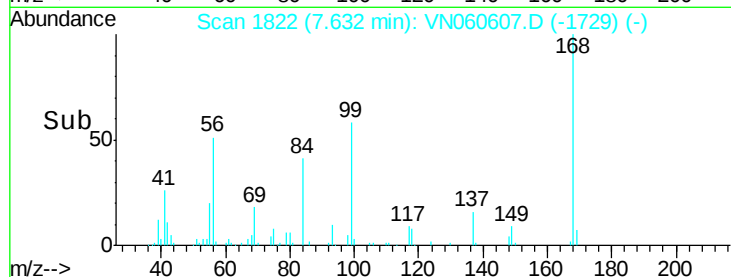
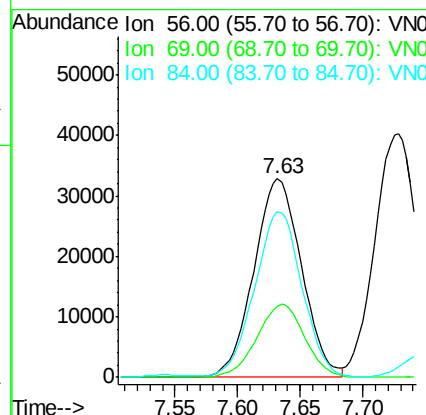
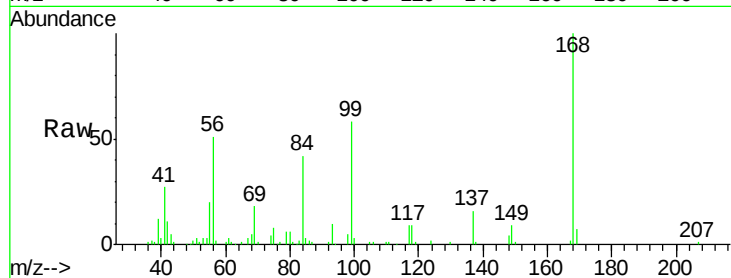
ClientSampleId :

VN0318WBS02

Tot Ion:	56	Resp:	86918
Ion Ratio	Lower	Upper	
56	100		
69	35.5	26.6	40.0
84	82.3	64.3	96.5

Manual Integrations
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3/19/2020 1:59:52 PM



#32

1,1,1-Trichloroethane

Concen: 20.857 ug/l

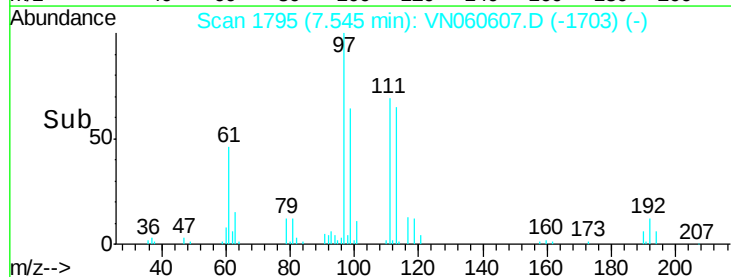
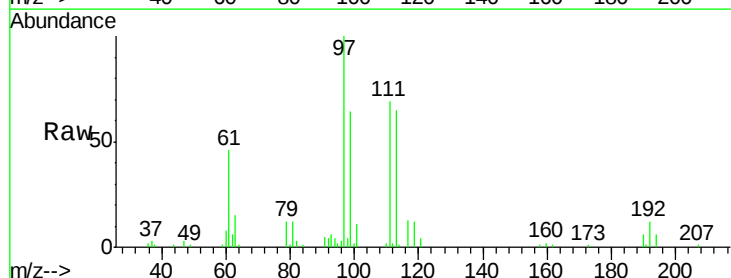
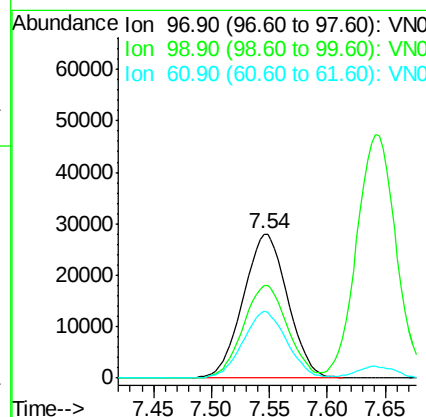
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	97	Resp:	74690
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.6	75.8
61	45.5	36.2	54.4





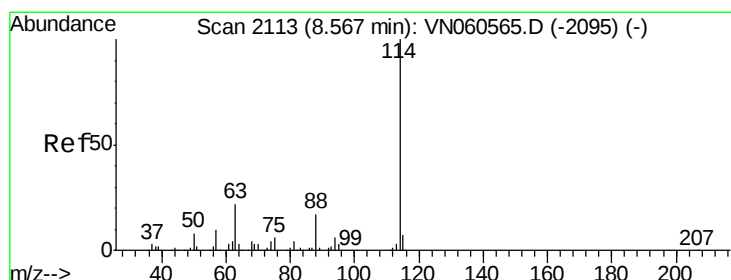
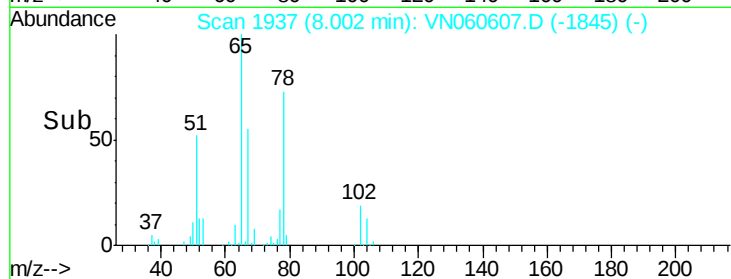
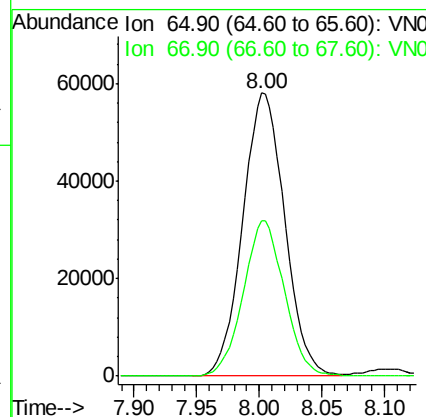
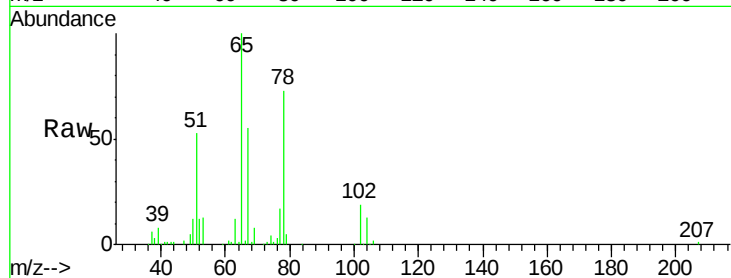
#33
 1,2-Dichloroethane-d4
 Concen: 49.925 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.6	

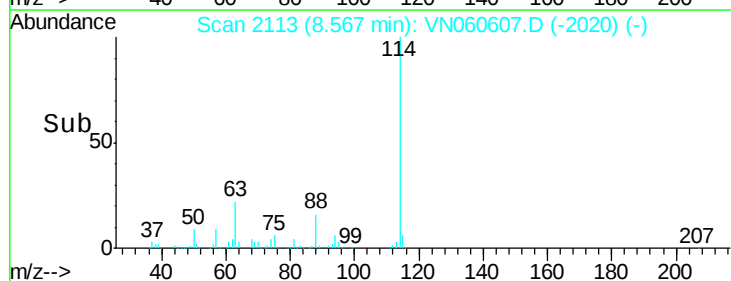
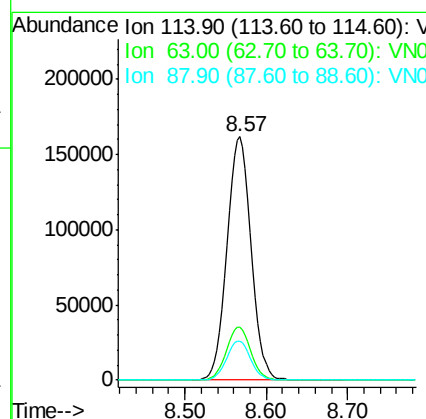
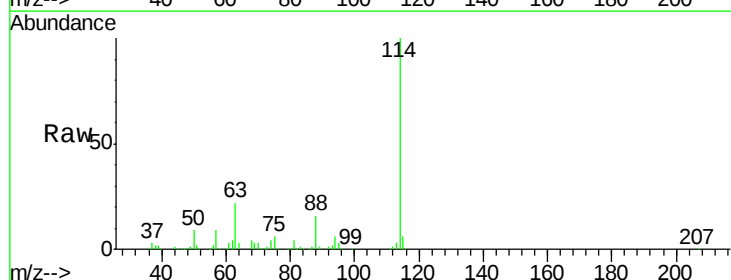
Manual Integrations
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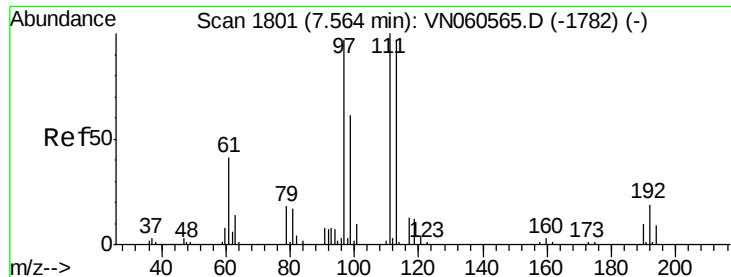
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 3/19/2020 1:59:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.8	
88	16.2	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.368 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

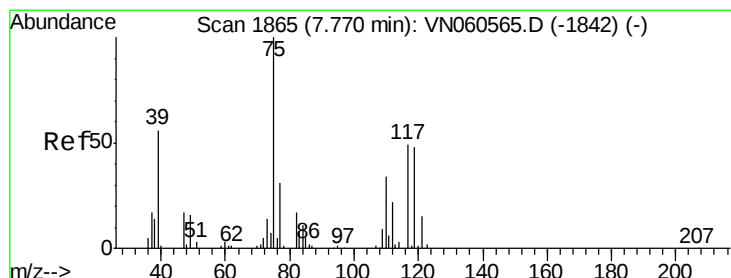
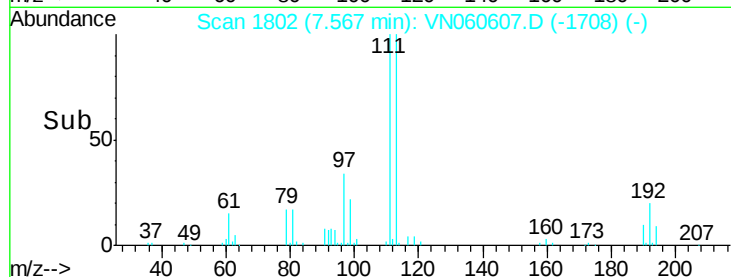
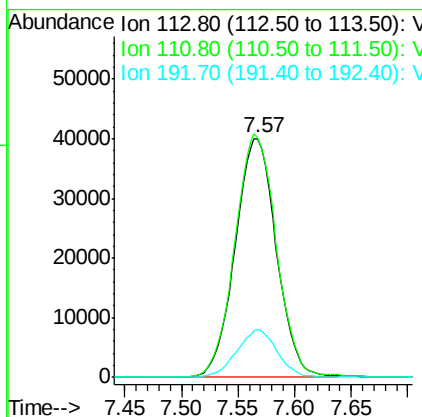
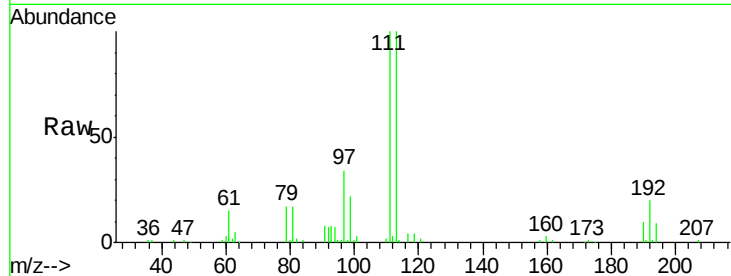
ClientSampleId :

VN0318WBS02

Tot Ion:	113	Resp:	101207
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.9	124.3
192	19.5	15.8	23.8

Manual Integrations
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3/19/2020 1:59:52 PM



#36

1,1-Dichloropropene

Concen: 20.344 ug/l

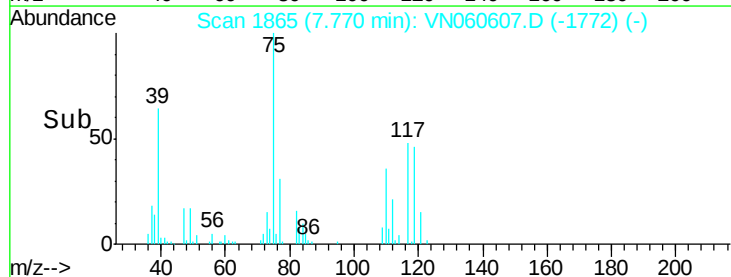
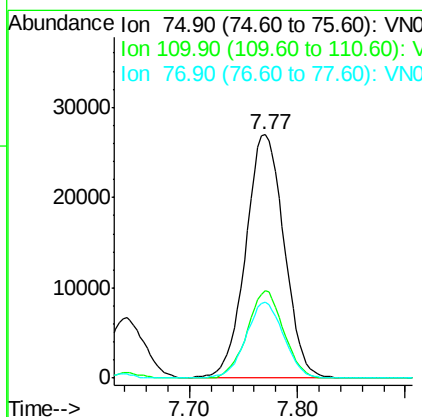
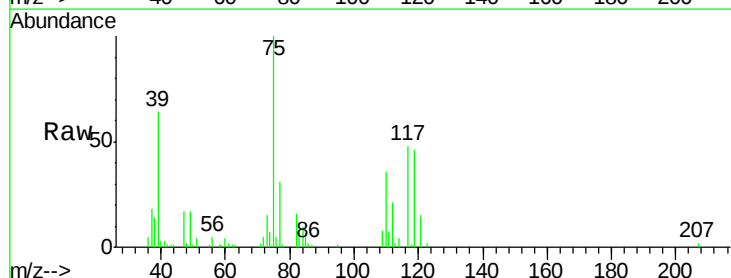
RT: 7.77 min Scan# 1865

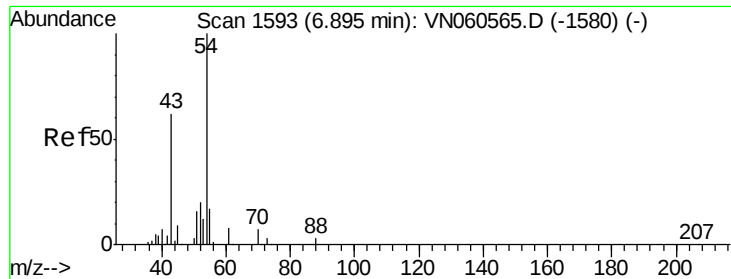
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	75	Resp:	66790
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.9	50.6
77	30.6	24.6	36.8





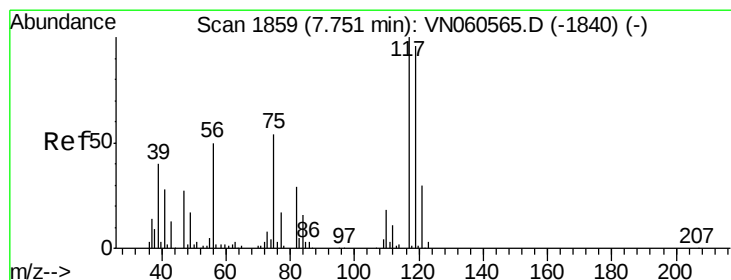
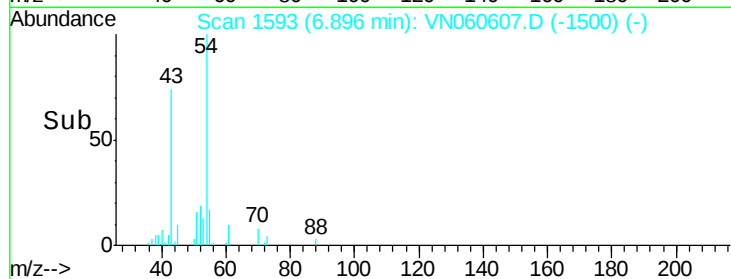
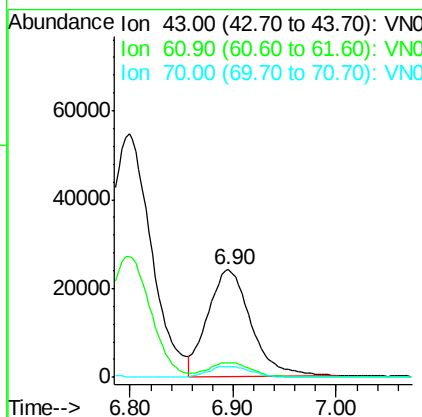
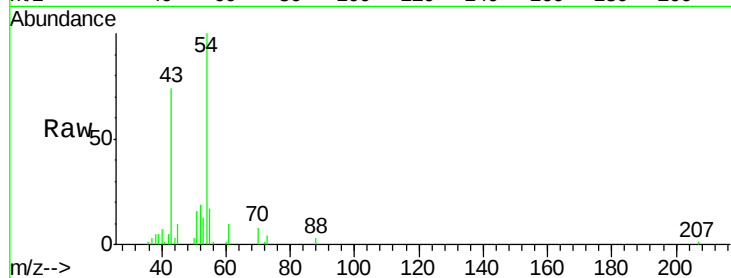
#37
Ethyl Acetate
Concen: 19.697 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.9	10.6	15.8	
70	9.9	7.9	11.9	

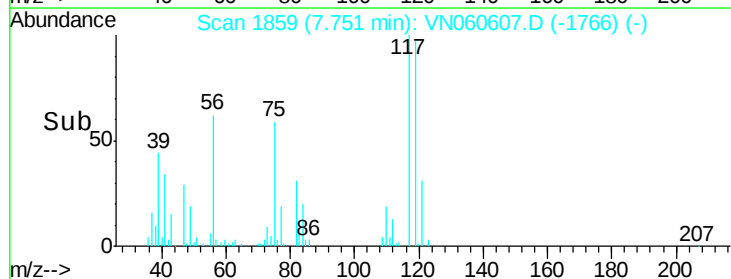
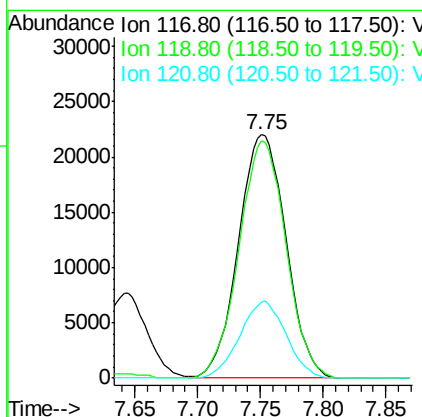
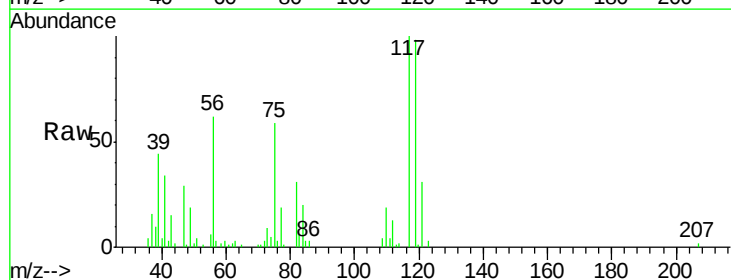
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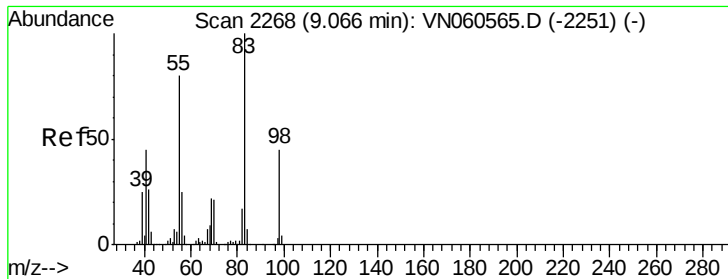
MMDadoda
3/19/2020 1:59:52 PM



#38
Carbon Tetrachloride
Concen: 19.734 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.7	76.2	114.2	
121	30.9	23.7	35.5	





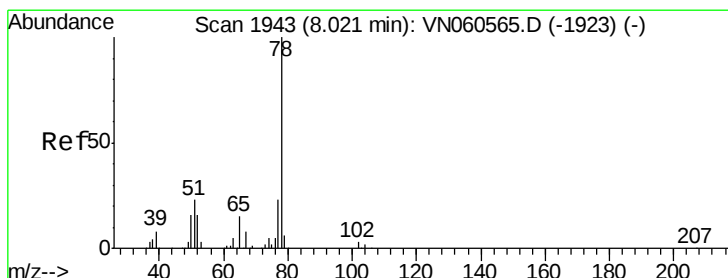
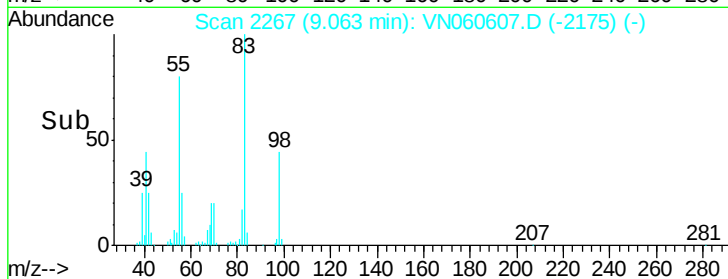
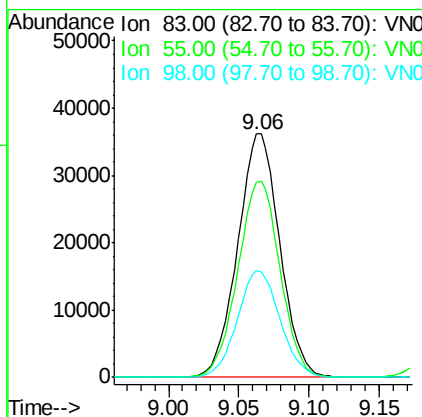
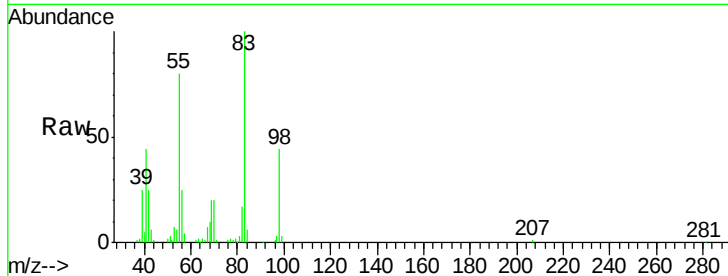
#39
Methvlcvclohexane
Concen: 19.376 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.6	95.4
98	43.8	36.0	54.0

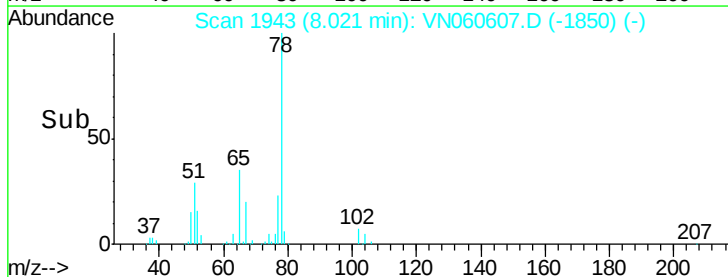
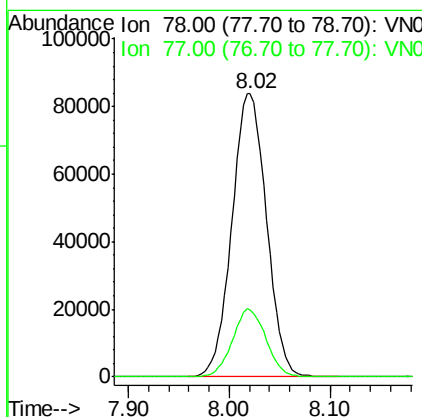
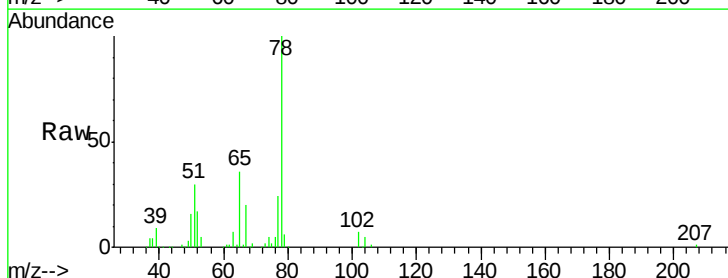
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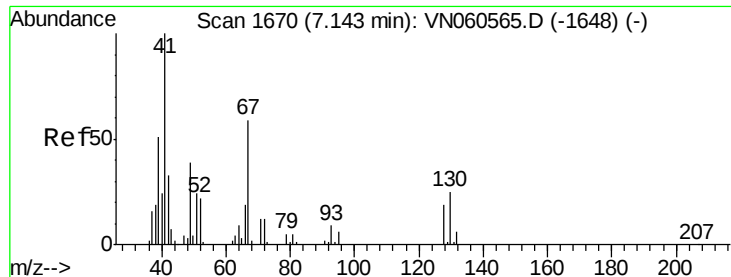
MMDadoda
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#40
Benzene
Concen: 20.094 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





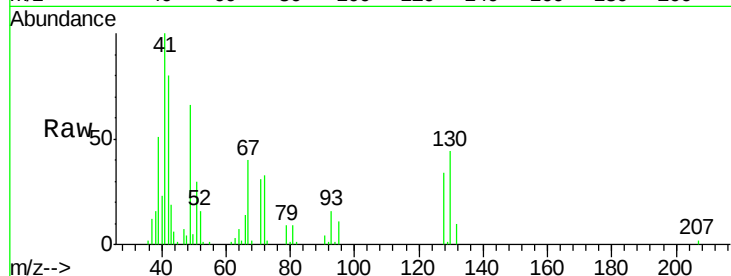
#41
Methacrylonitrile
Concen: 22.971 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

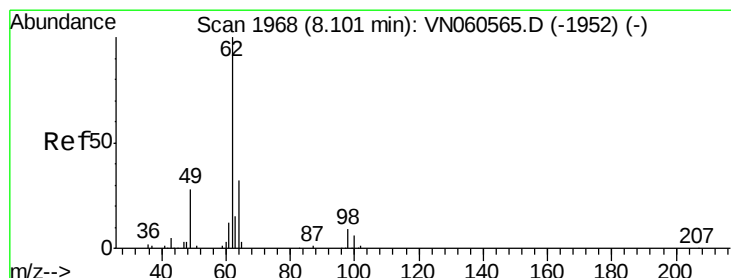
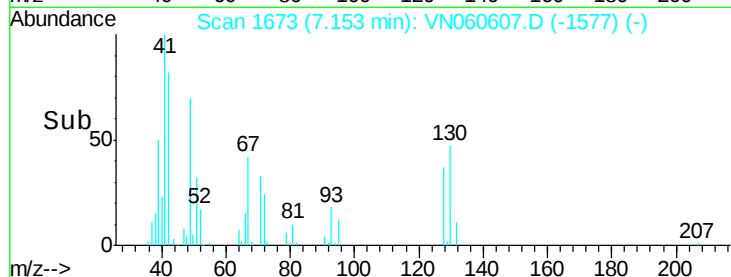
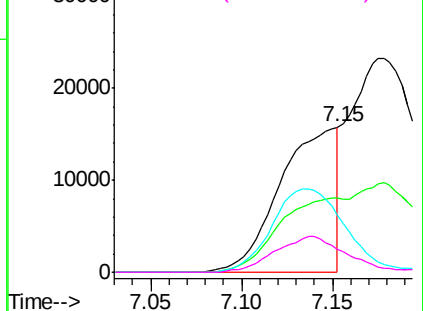
Tot Ion	41	Resp:	34776
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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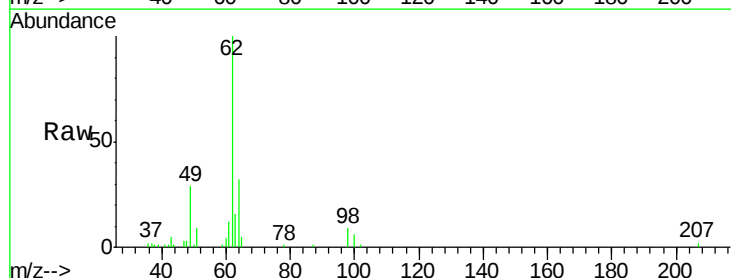


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

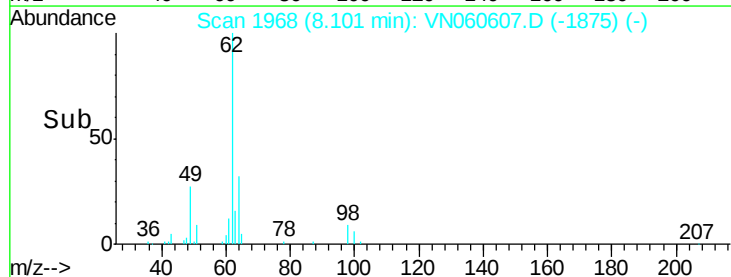
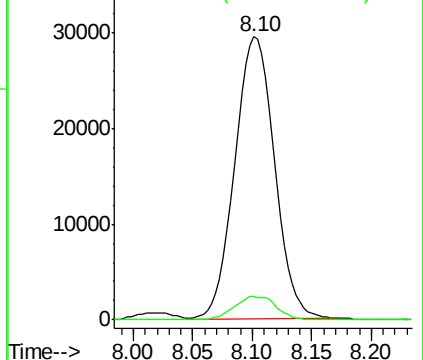


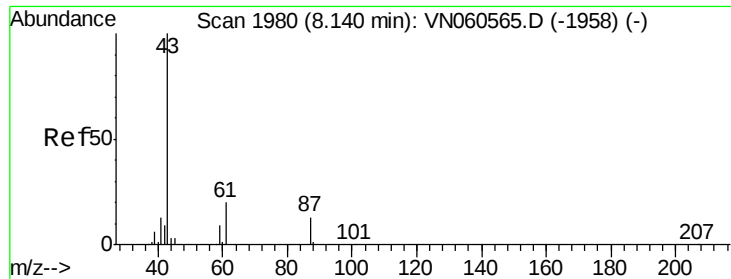
#42
1,2-Dichloroethane
Concen: 20.189 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	62	Resp:	68378
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





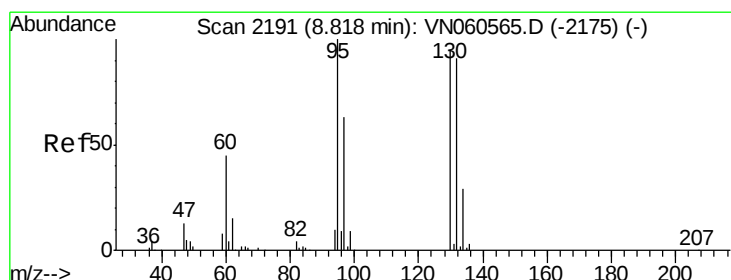
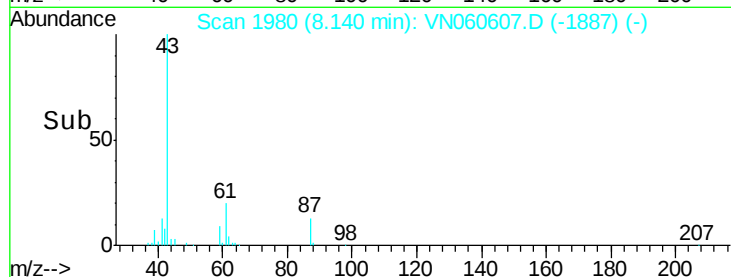
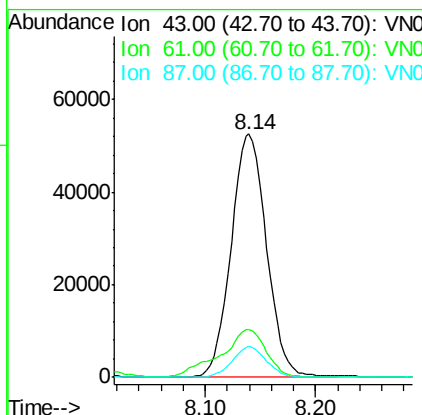
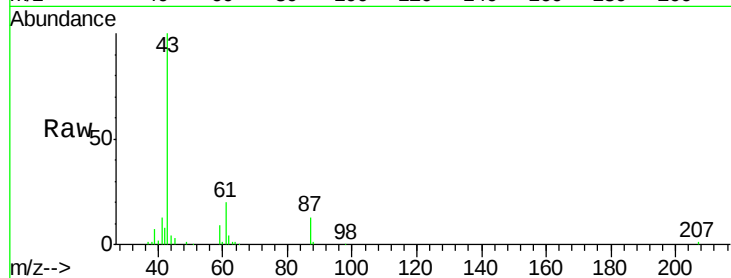
#43
Isopropyl Acetate
Concen: 19.972 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	43	Resp	116841
Ion Ratio	100	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.1	9.8	14.8

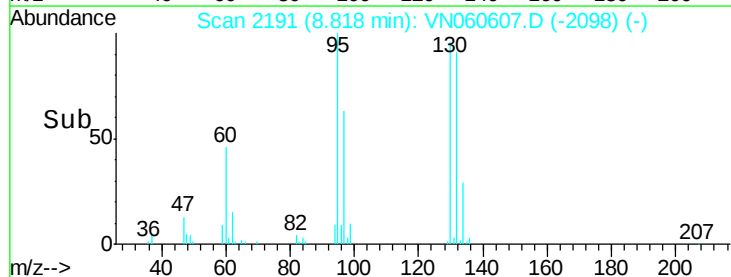
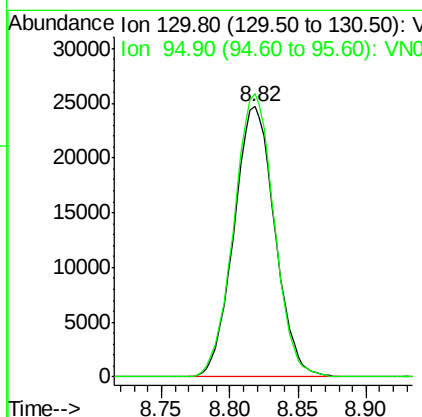
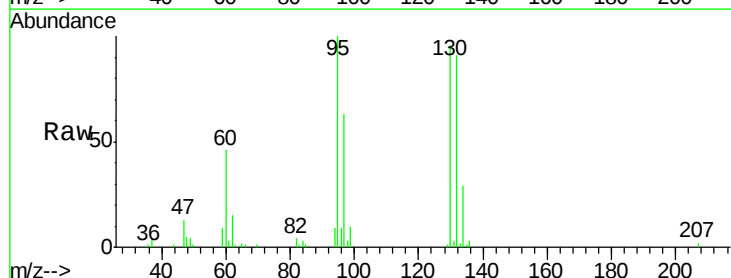
Manual Integrations
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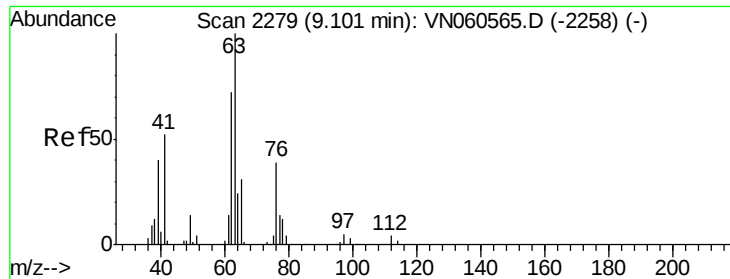
MMDadoda
3/19/2020 1:59:52 PM



#44
Trichloroethene
Concen: 20.544 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	130	Resp	51326
Ion Ratio	100	Lower	Upper
130	100		
95	104.7	0.0	211.2





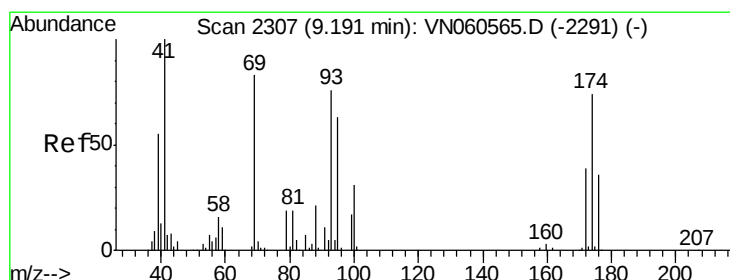
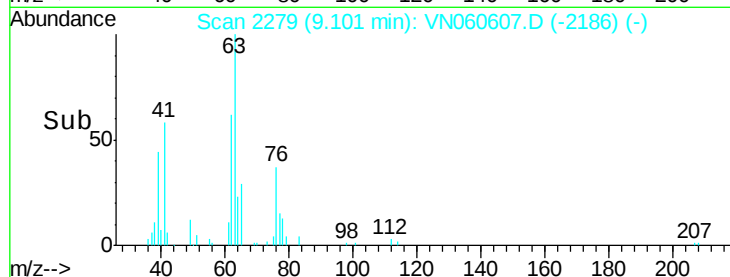
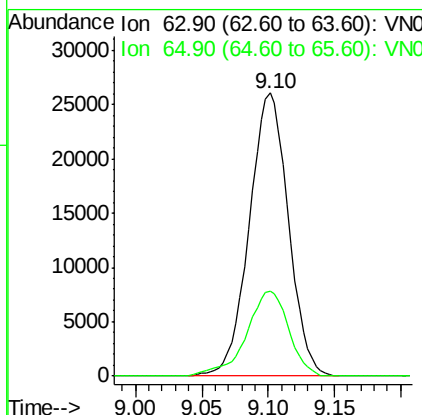
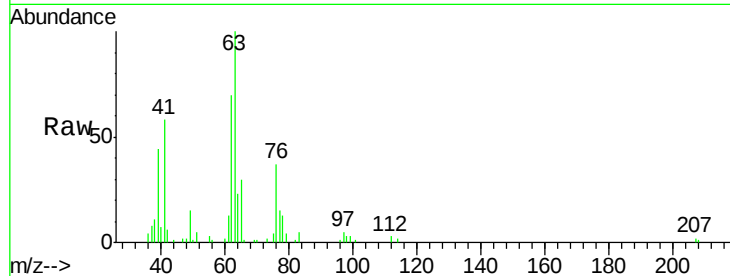
#45
 1,2-Dichloropropane
 Concen: 20.470 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.4	38.0

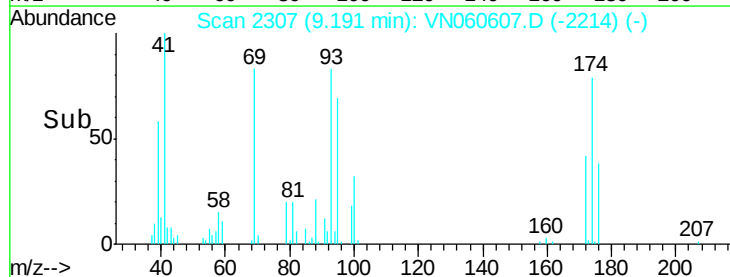
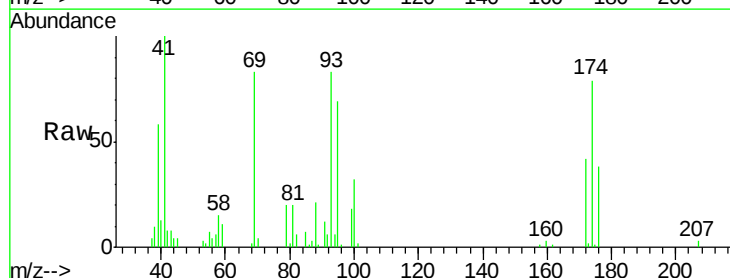
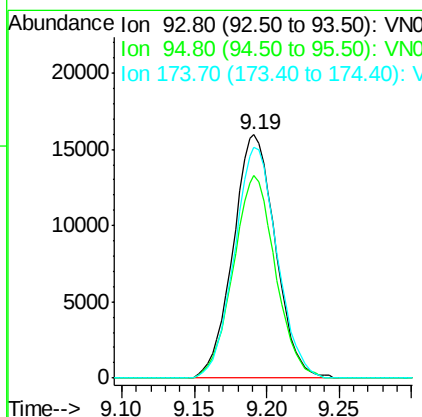
Manual Integrations
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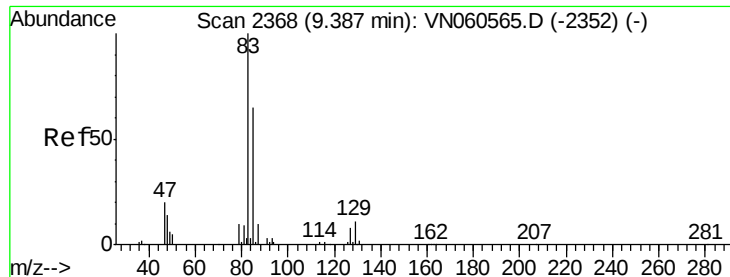
MMDadoda
 3/19/2020 1:59:52 PM



#46
 Dibromomethane
 Concen: 20.479 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	95.3	77.9	116.9





#47

Bromodichloromethane

Concen: 20.141 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

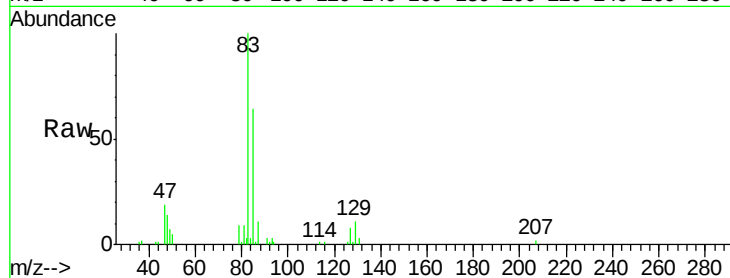
ClientSampleId :

VN0318WBS02

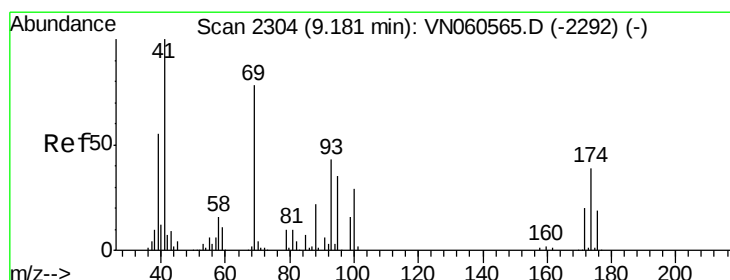
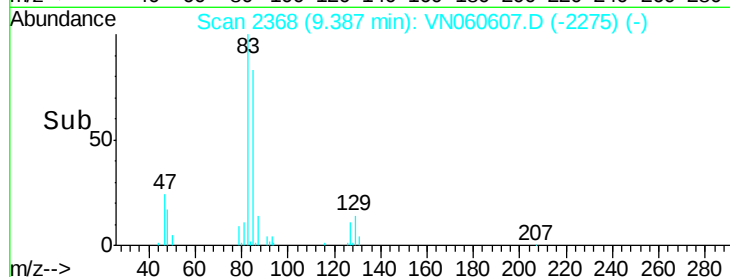
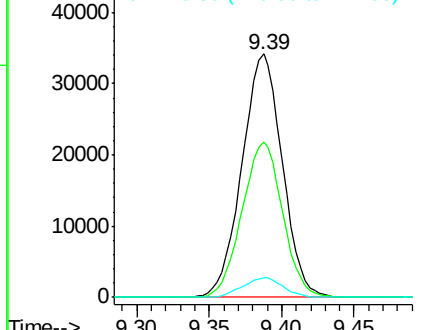
Tot Ion:	83	Resp:	66167
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060607.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.037 ug/l

RT: 9.18 min Scan# 2304

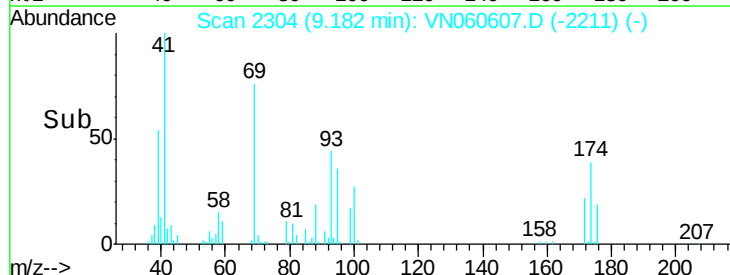
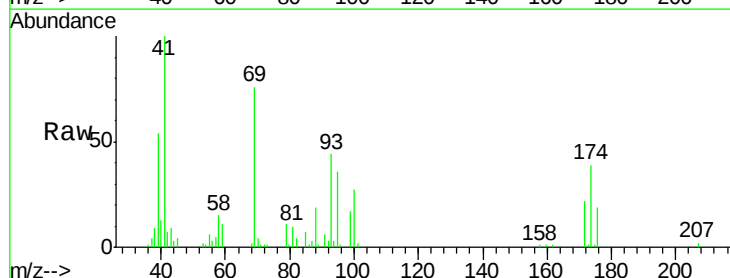
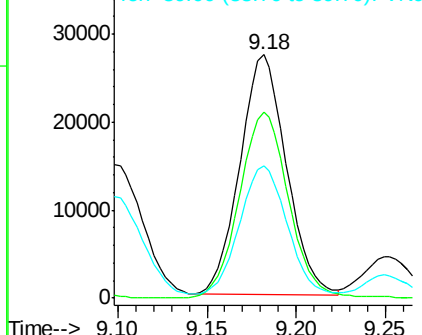
Delta R.T. 0.00 min

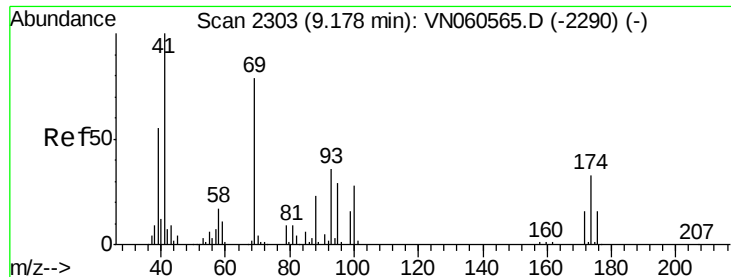
Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	41	Resp:	49586
Ion Ratio	Lower	Upper	
41	100		
69	82.2	65.4	98.0
39	58.3	44.0	66.0

Abundance Ion 41.00 (40.70 to 41.70): VN060607.D (-2211) (-)





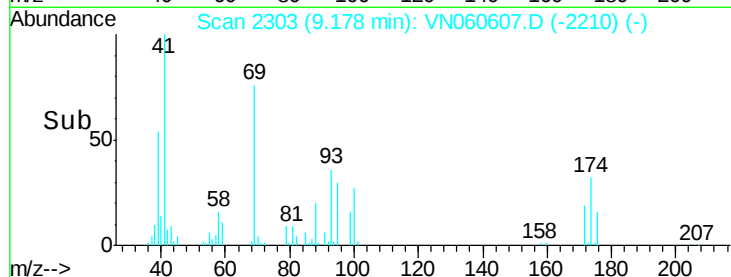
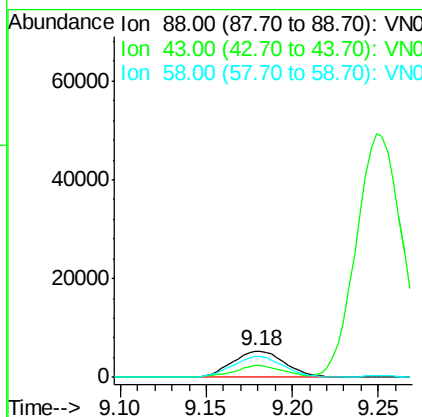
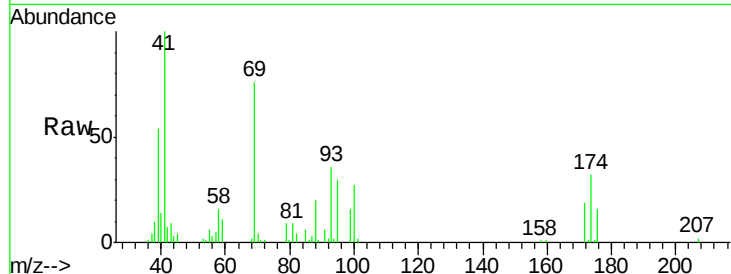
#49
1,4-Dioxane
Concen: 366.445 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	88	Resp	11345
Ion	Ratio	Lower	Upper
88	100		
43	40.8	30.8	46.2
58	75.9	59.8	89.8

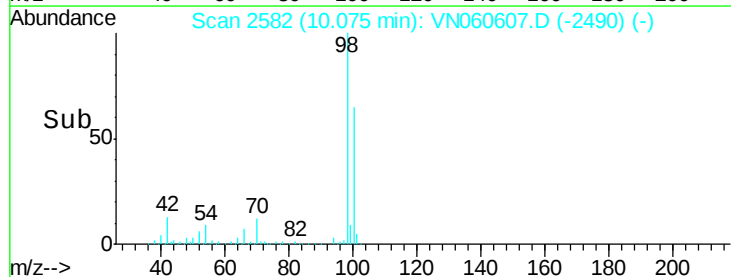
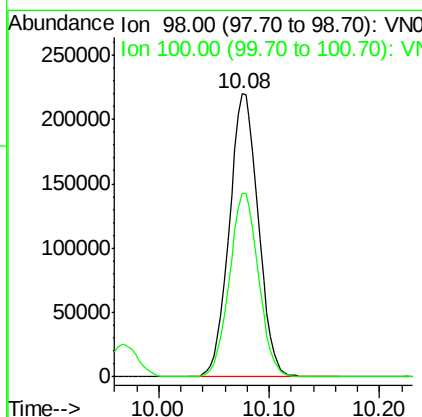
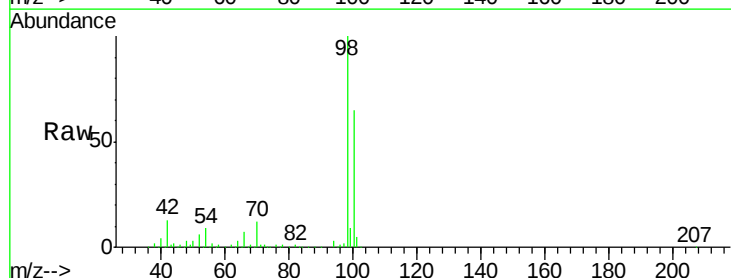
Manual Integrations
APPROVED

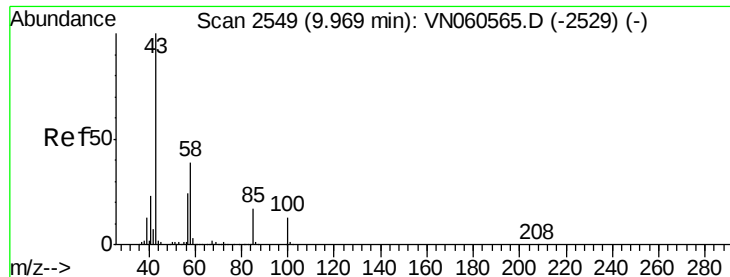
MMDadoda
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#50
Toluene-d8
Concen: 47.838 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	98	Resp	400583
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 101.448 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 43 Resp: 337721

Ion Ratio Lower Upper

43 100

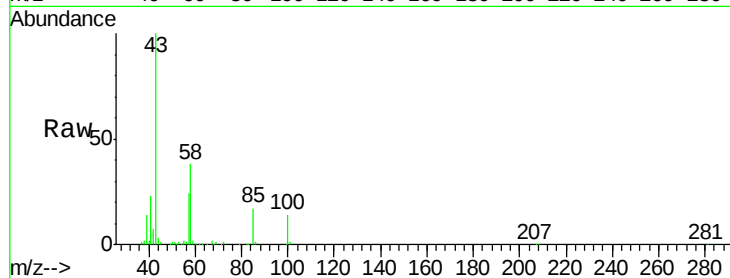
58 38.3 30.8 46.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

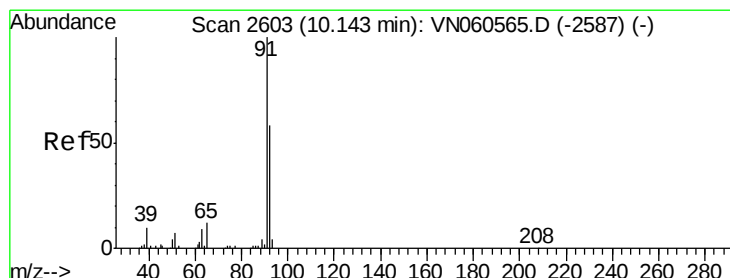
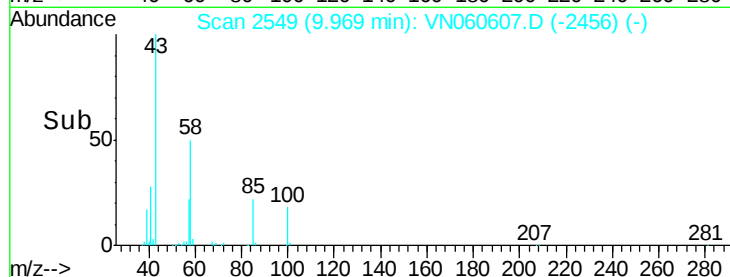
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.068 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060607.D

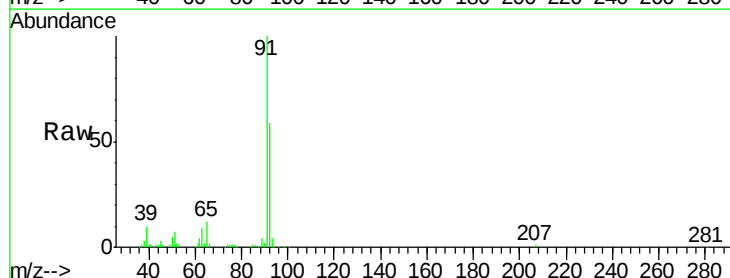
Acq: 18 Mar 2020 22:05

Tgt Ion: 92 Resp: 120111

Ion Ratio Lower Upper

92 100

91 172.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

120000

100000

80000

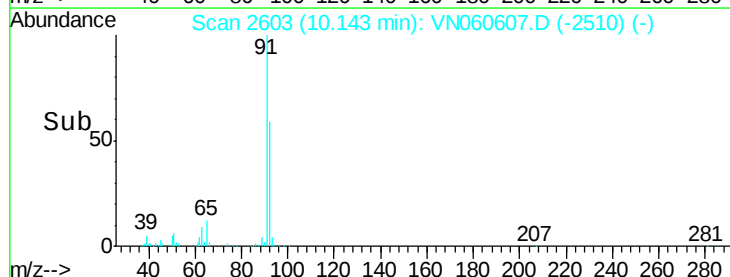
60000

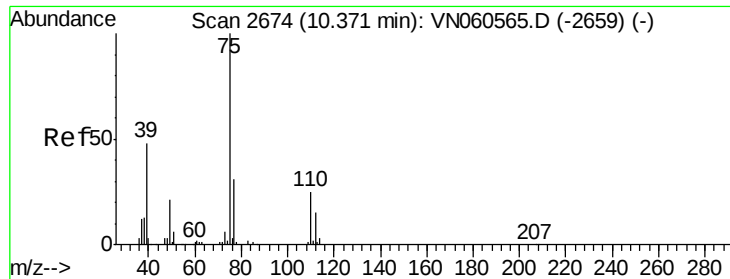
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.889 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 75 Resp: 75054

Ion Ratio Lower Upper

75 100

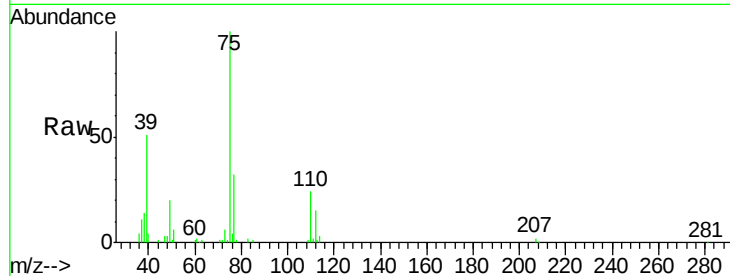
77 31.7 25.1 37.7

Manual Integrations

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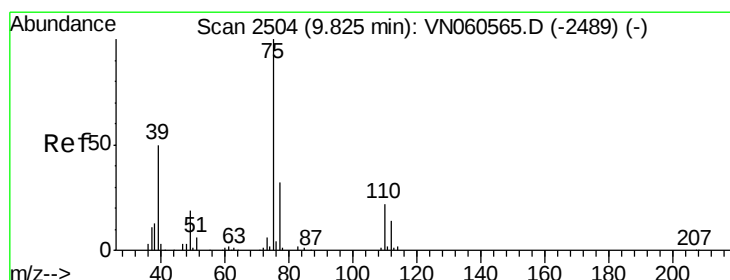
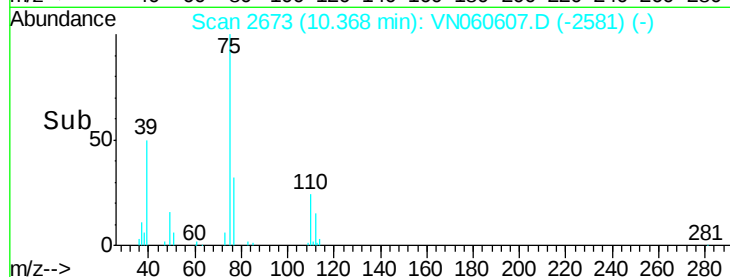
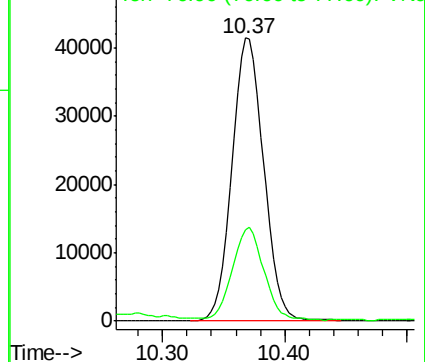
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.848 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

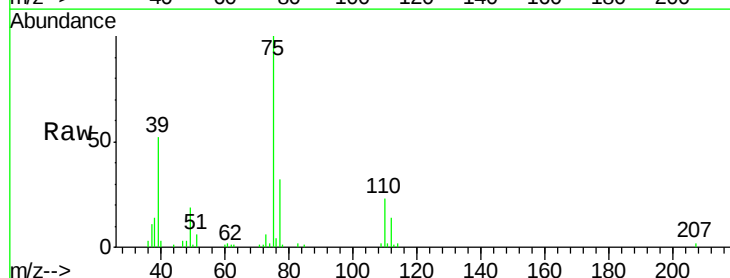
Tgt Ion: 75 Resp: 82170

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

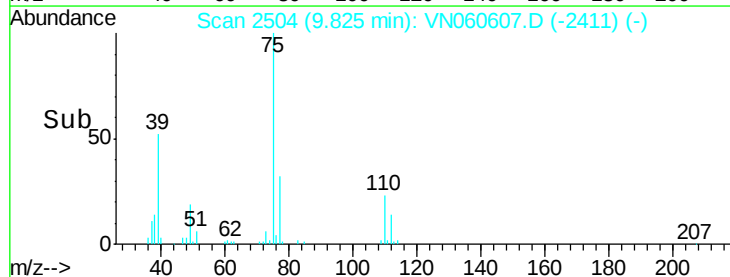
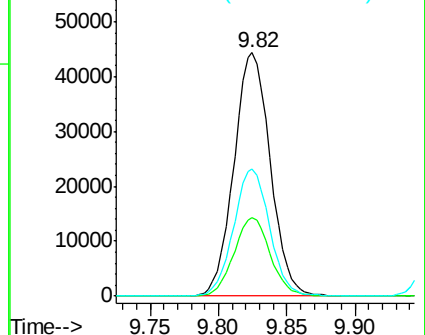
39 52.2 40.2 60.4

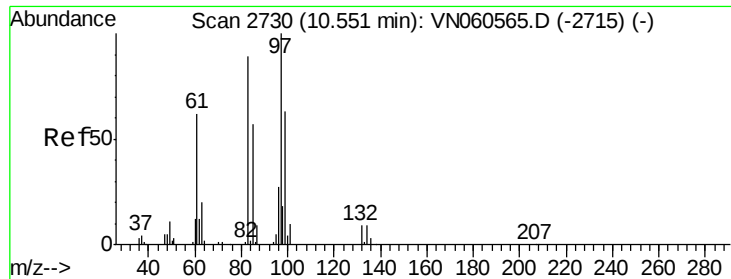


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





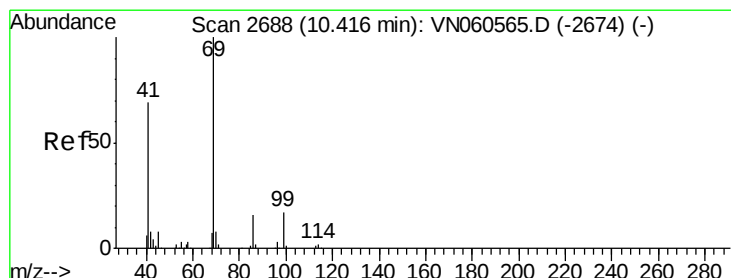
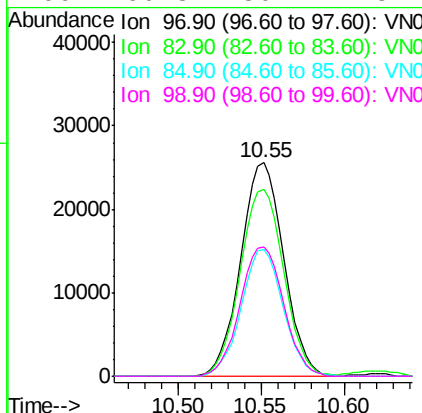
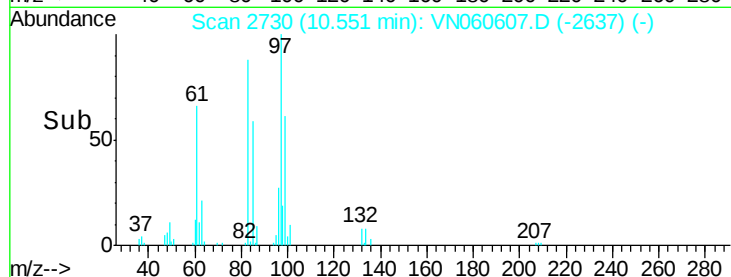
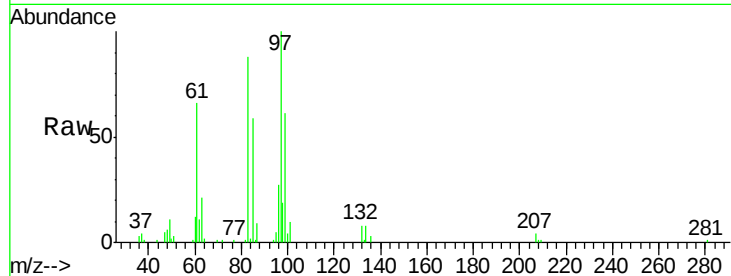
#55
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion:	97	Resp:	46323
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.3	106.9
85	59.4	45.2	67.8
99	60.8	50.1	75.1

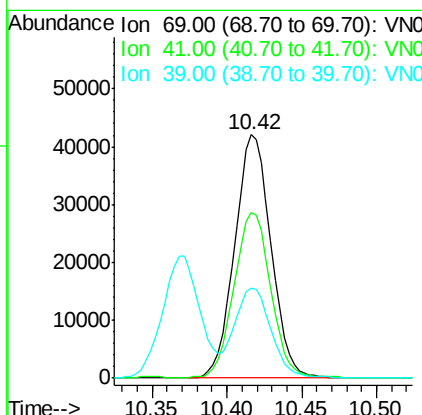
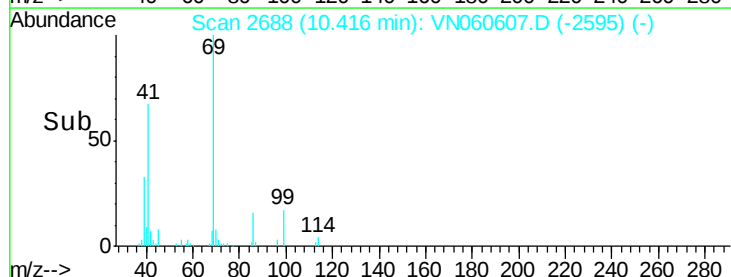
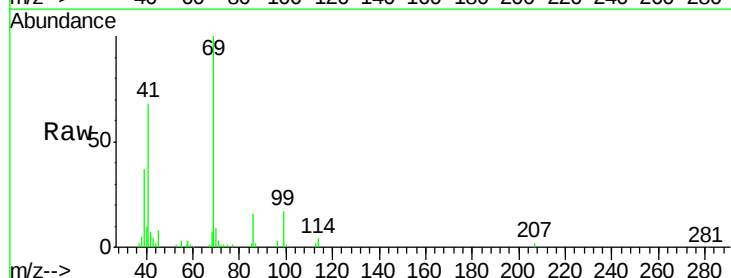
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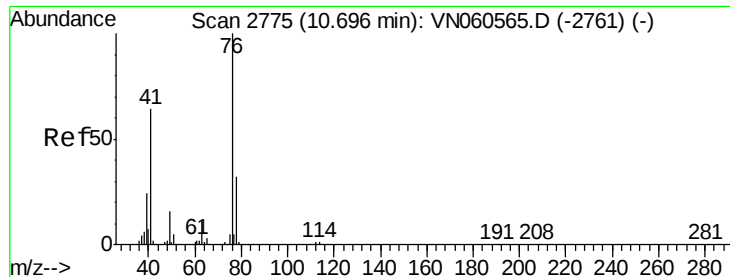
MMDadoda
 3/19/2020 1:59:52 PM



#56
 Ethyl methacrylate
 Concen: 19.797 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion:	69	Resp:	71077
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.4	83.2
39	38.0	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.330 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 76 Resp: 81234

Ion Ratio Lower Upper

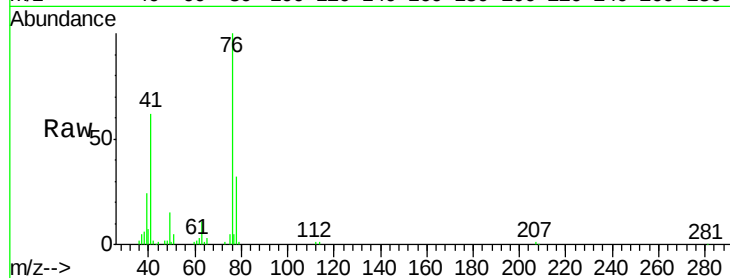
76 100

78 32.0 25.8 38.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

50000

40000

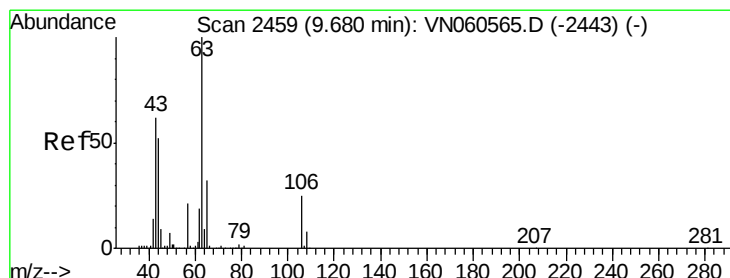
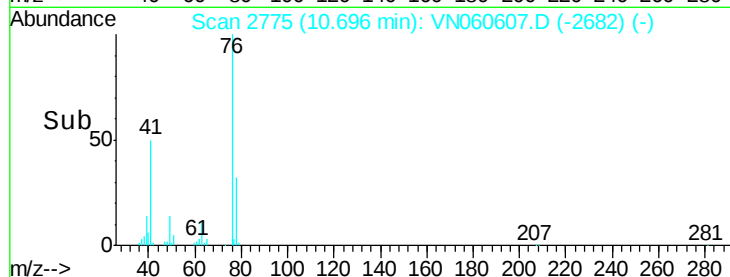
30000

20000

10000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 92.064 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060607.D

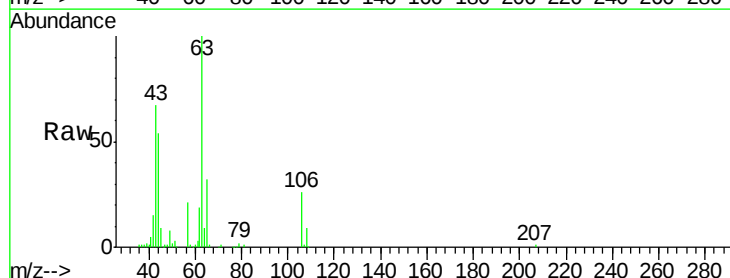
Acq: 18 Mar 2020 22:05

Tgt Ion: 63 Resp: 164281

Ion Ratio Lower Upper

63 100

106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

100000

80000

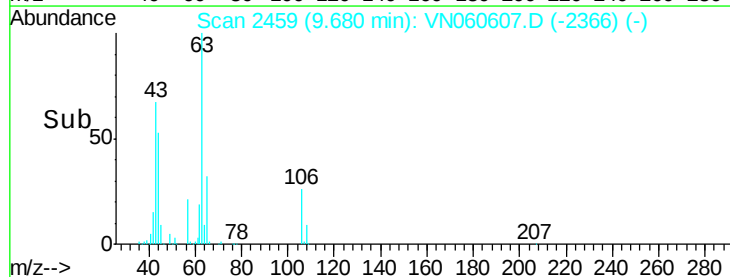
60000

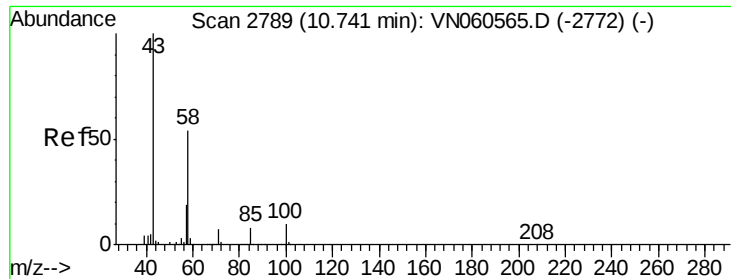
40000

20000

0

Time--> 9.60 9.70 9.80





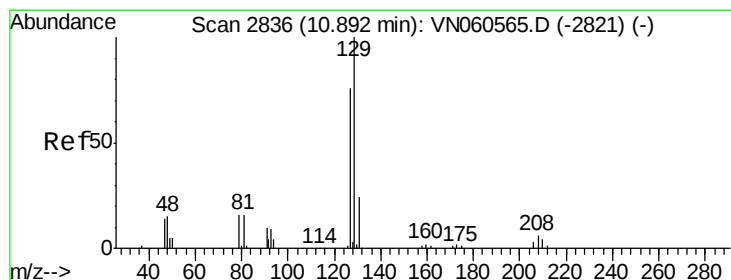
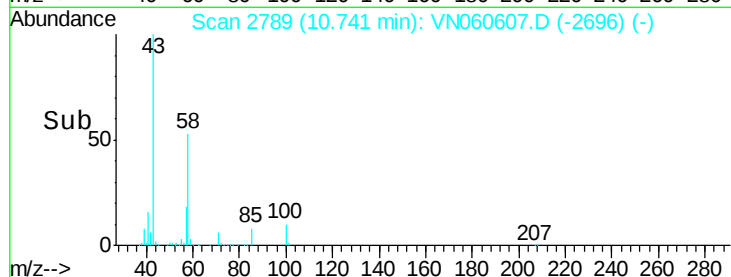
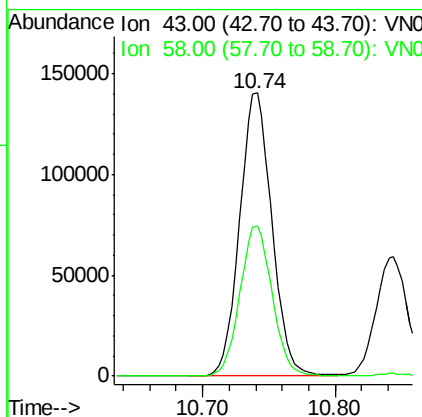
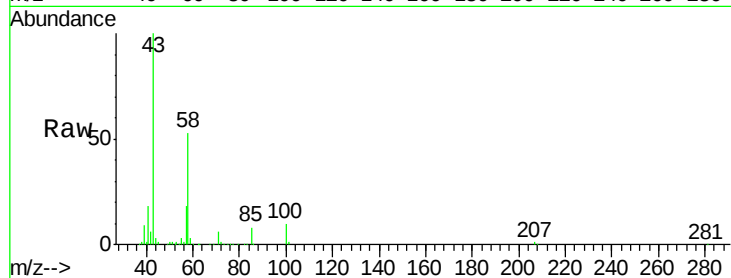
#59
2-Hexanone
Concen: 98.873 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 43 Resp: 237103
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1

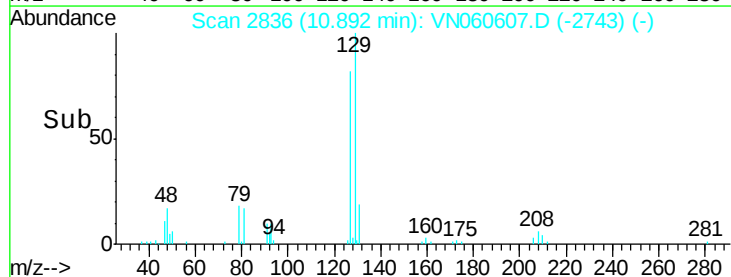
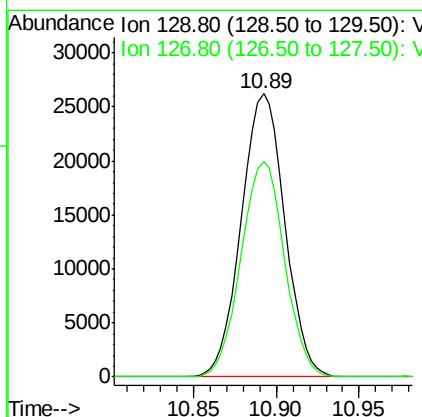
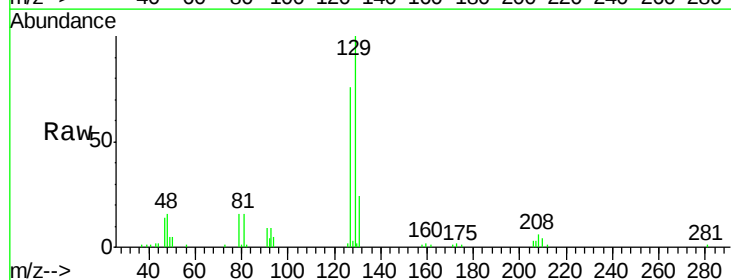
Manual Integrations
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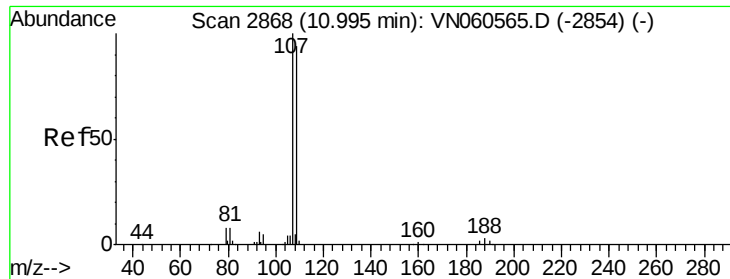
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3/19/2020 1:59:52 PM



#60
Dibromochloromethane
Concen: 20.107 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion: 129 Resp: 47823
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





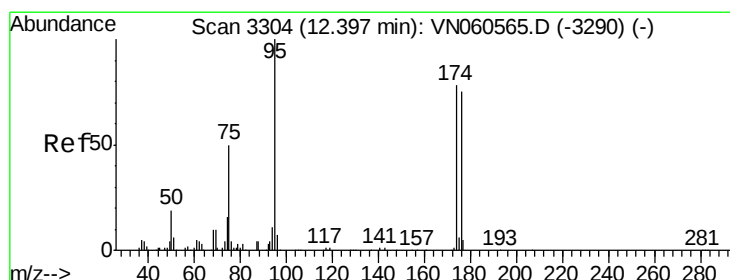
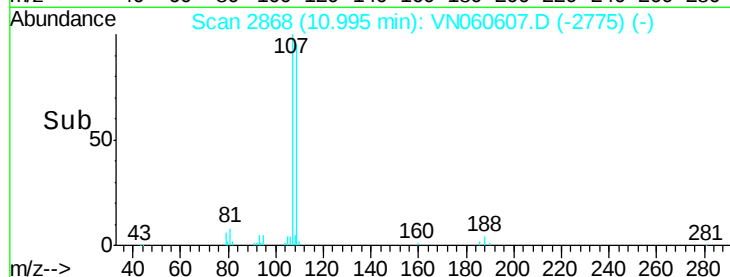
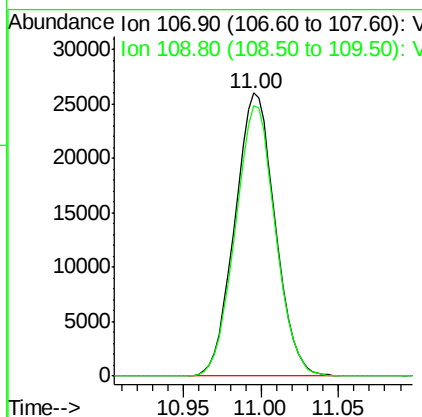
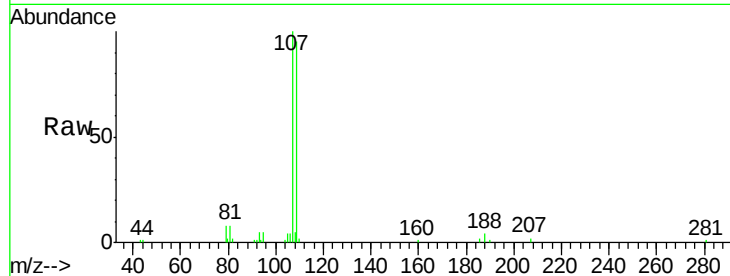
#61
 1,2-Dibromoethane
 Concen: 20.318 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion: 107 Resp: 47044
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.2

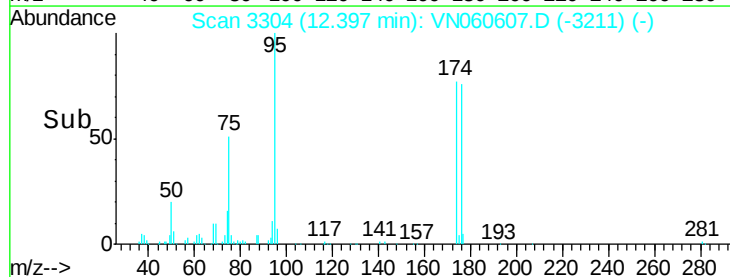
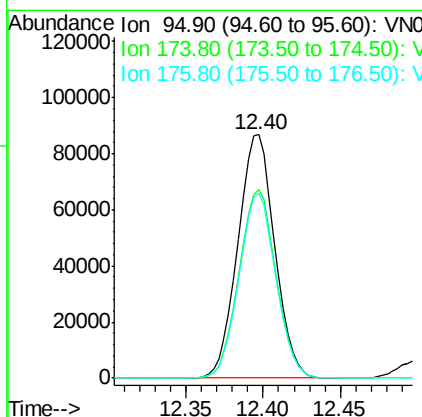
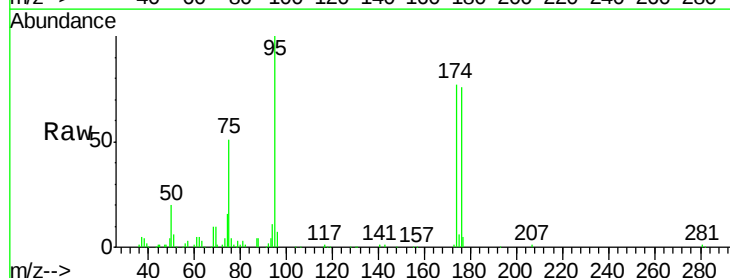
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 46.774 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion: 95 Resp: 143542
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.6
 176 75.9 0.0 150.6





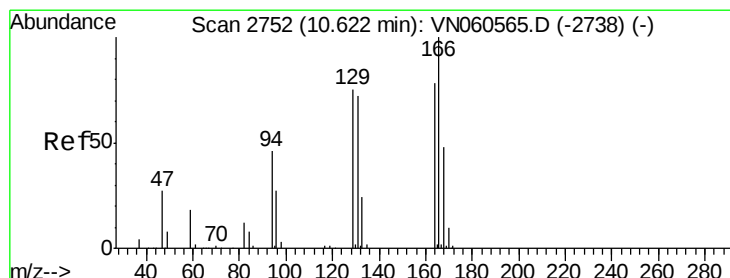
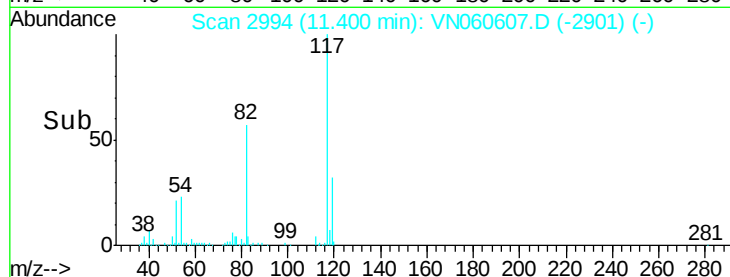
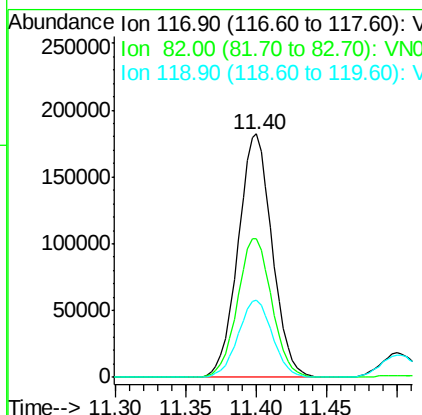
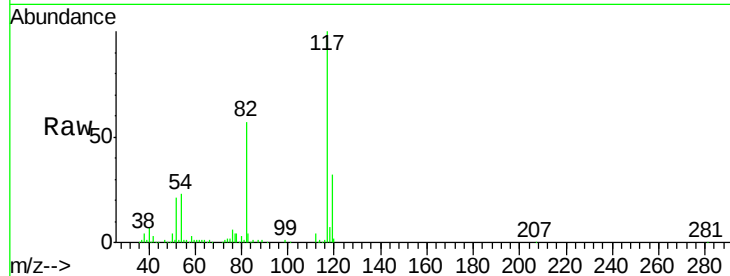
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.7	70.1
119	31.8	25.5	38.3

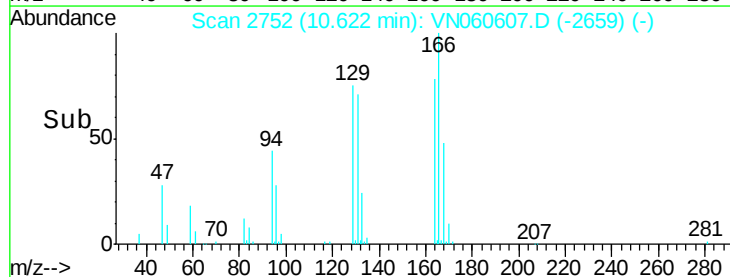
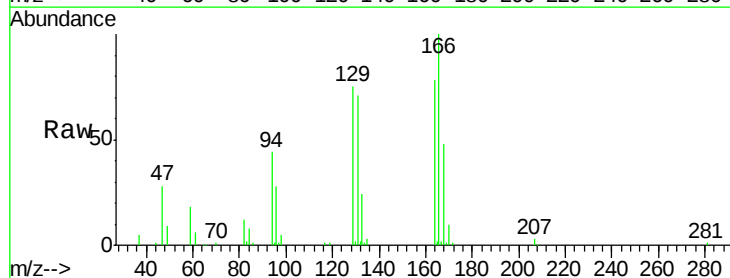
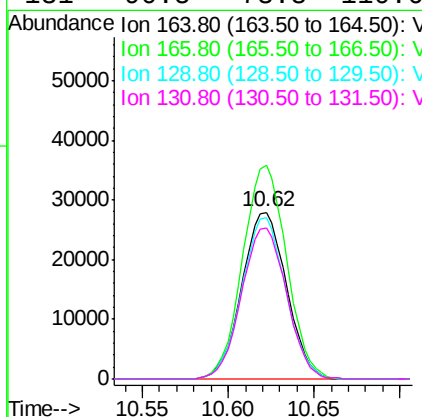
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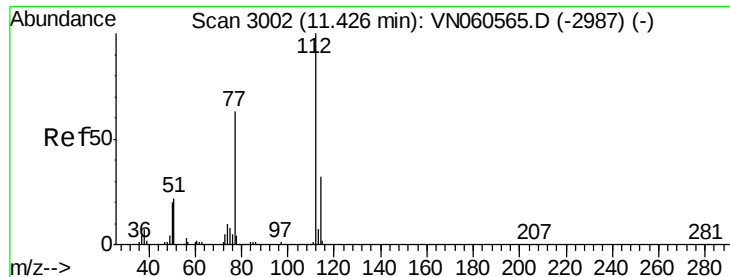
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#64
Tetrachloroethene
Concen: 20.815 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.7	154.1
129	96.8	77.2	115.8
131	90.5	73.8	110.6





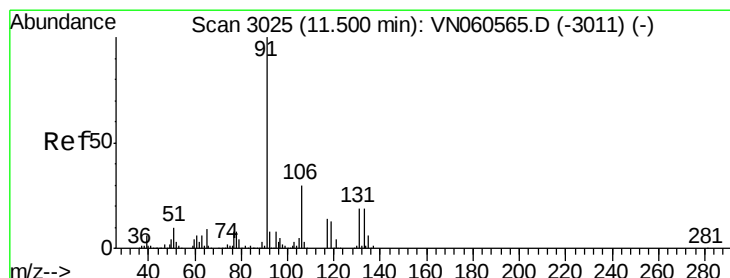
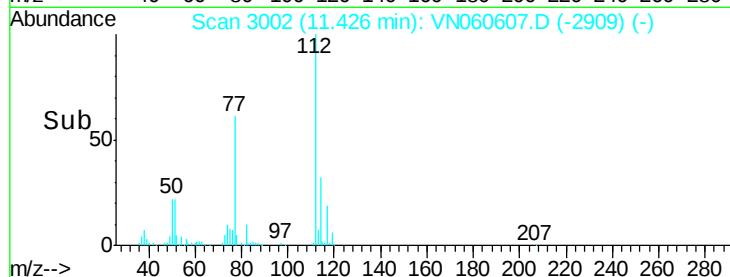
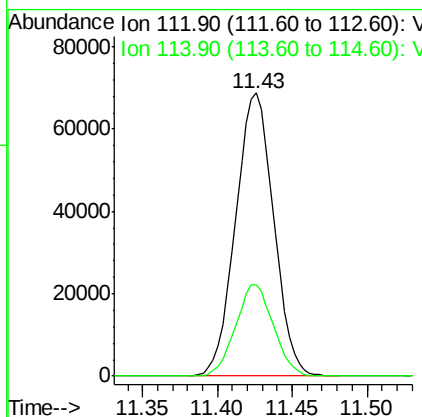
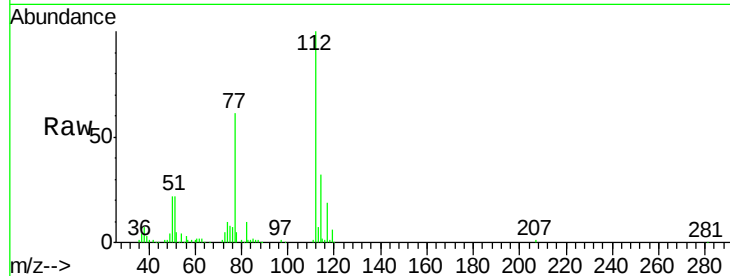
#65
Chlorobenzene
Concen: 19.987 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

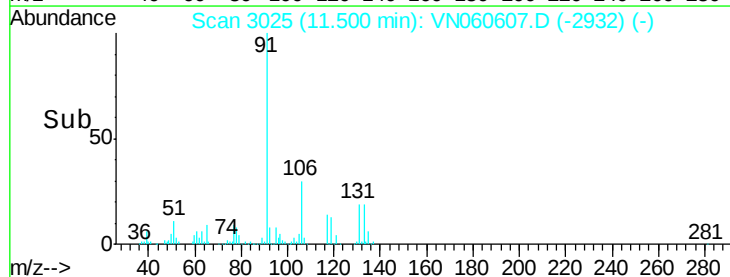
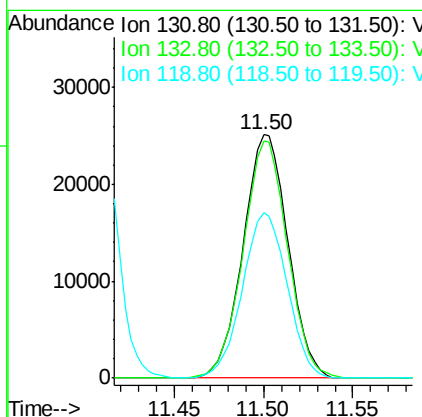
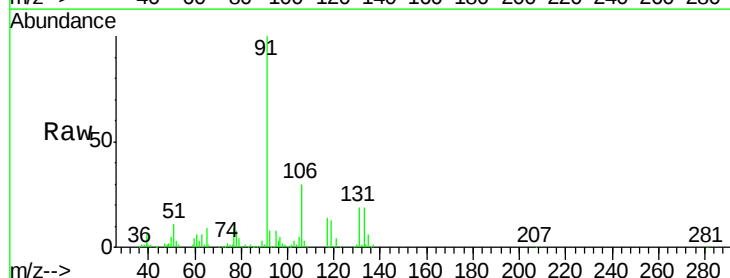
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.017 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.9	146.8
119	67.6	33.9	101.7





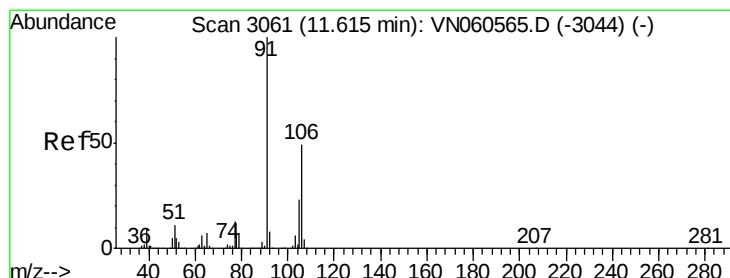
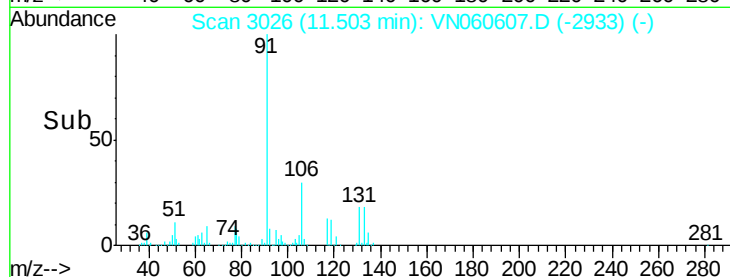
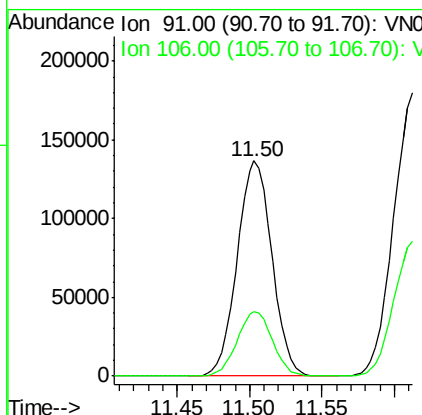
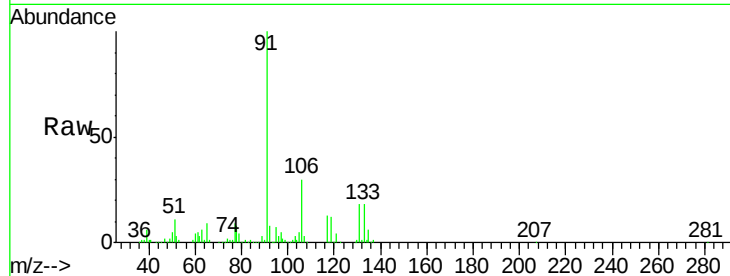
#67
Ethyl Benzene
Concen: 20.039 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 91 Resp: 227364
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

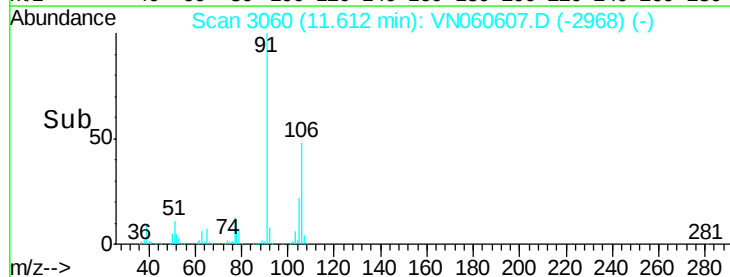
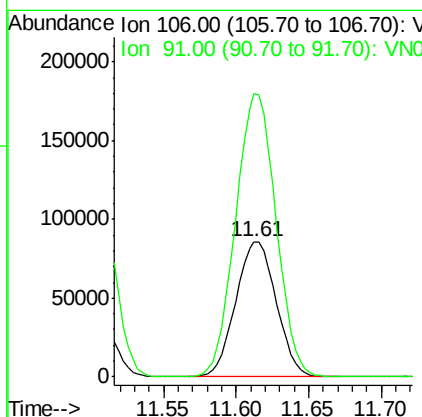
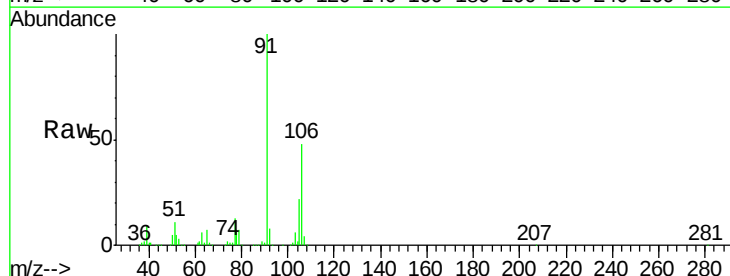
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 39.532 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion: 106 Resp: 166680
Ion Ratio Lower Upper
106 100
91 209.2 165.0 247.4





#69

o-Xylene

Concen: 19.928 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:106 Resp: 80212

Ion Ratio Lower Upper

106 100

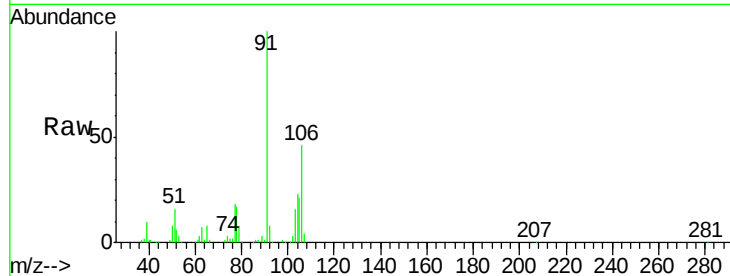
91 221.0 109.5 328.4

Manual Integrations

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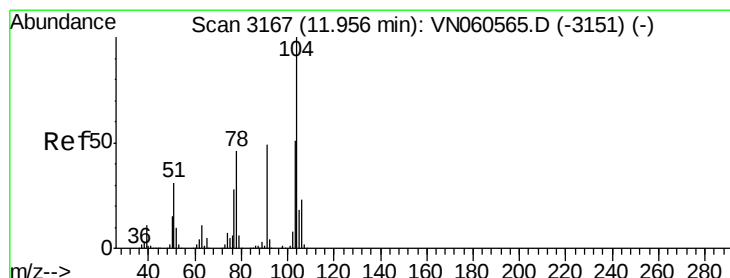
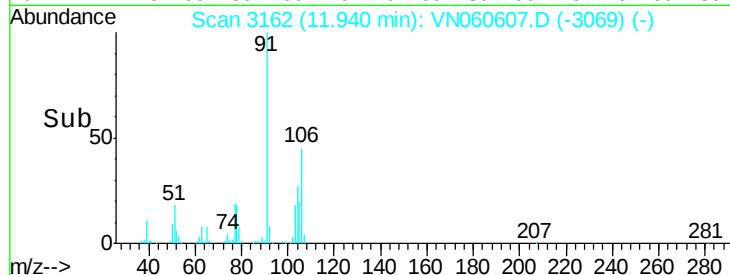
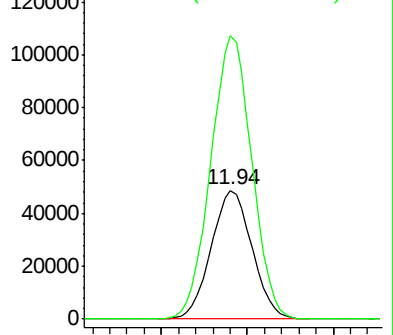
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.693 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

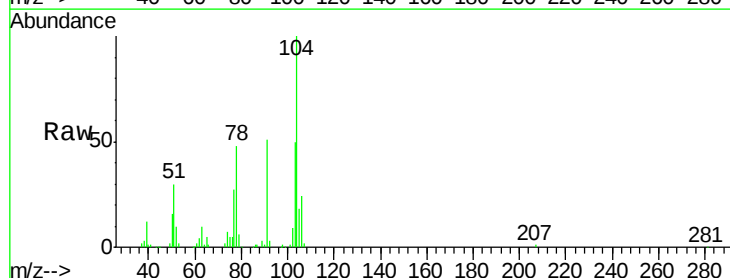
Tgt Ion:104 Resp: 129636

Ion Ratio Lower Upper

104 100

78 52.1 41.2 61.8

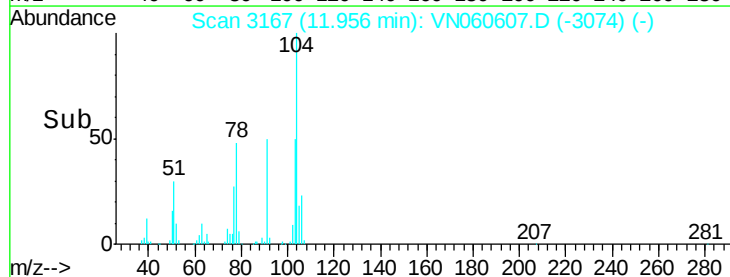
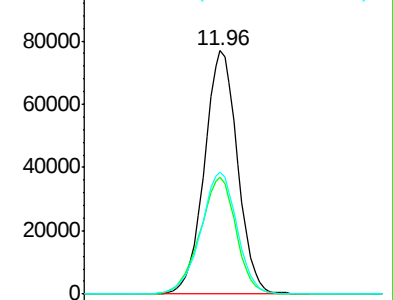
103 54.4 44.0 66.0

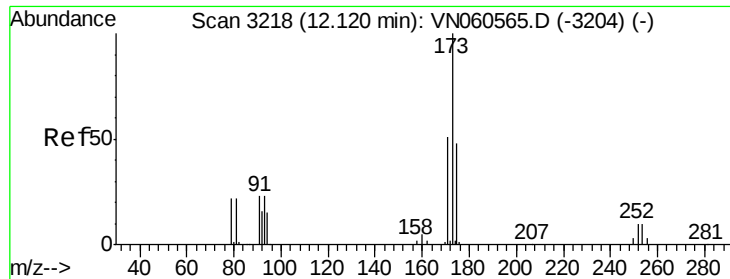


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





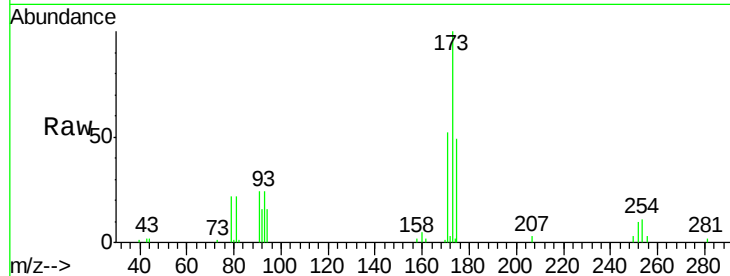
#71
Bromoform
Concen: 19.048 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

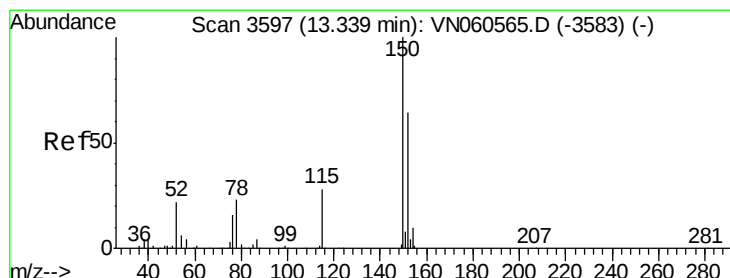
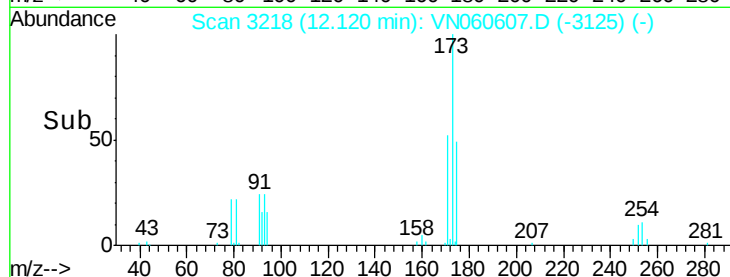
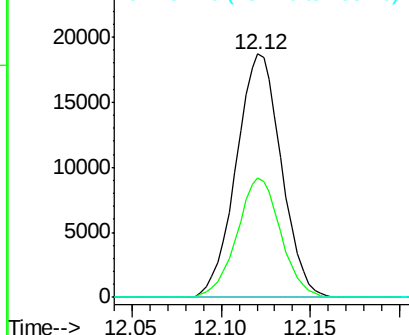
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.1	72.4
254	0.0	0.0	0.0

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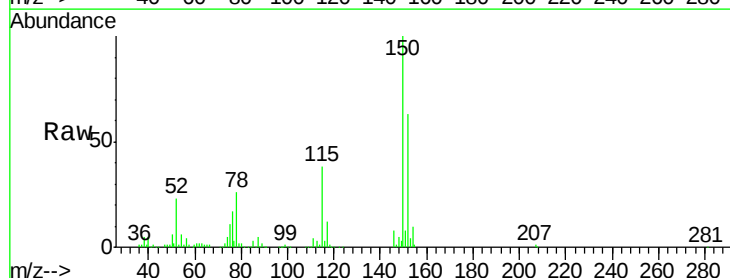


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

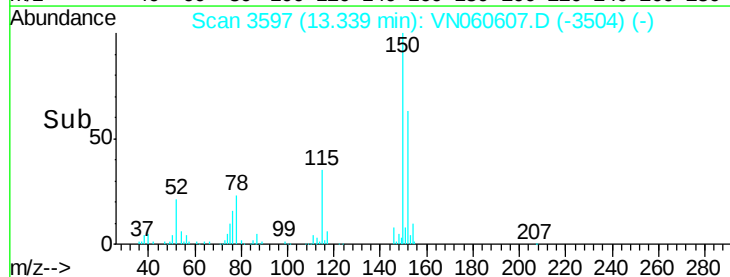
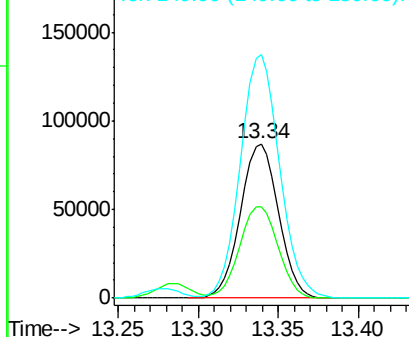


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.2	90.6
150	163.0	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: 20.215 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 105 Resp: 213859

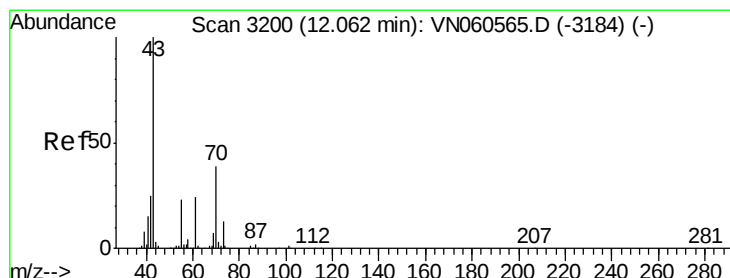
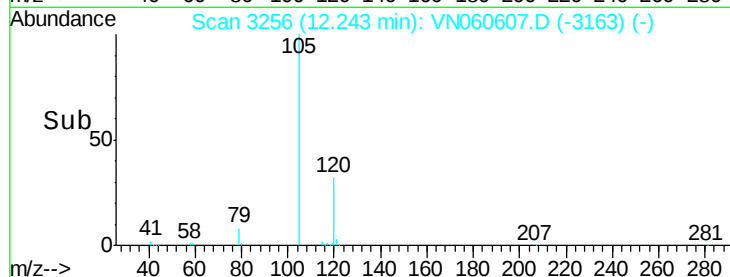
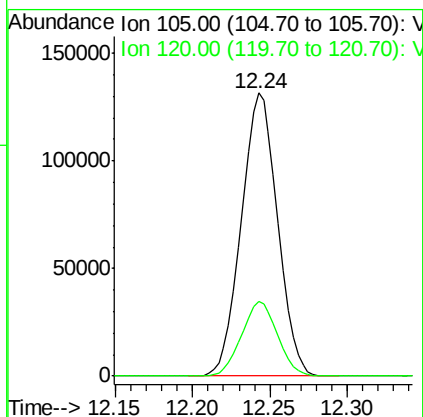
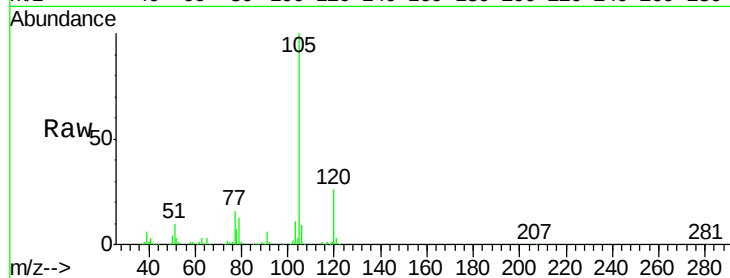
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

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3/19/2020 1:59:52 PM



#74

N-ethyl acetate

Concen: 19.649 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion: 43 Resp: 96057

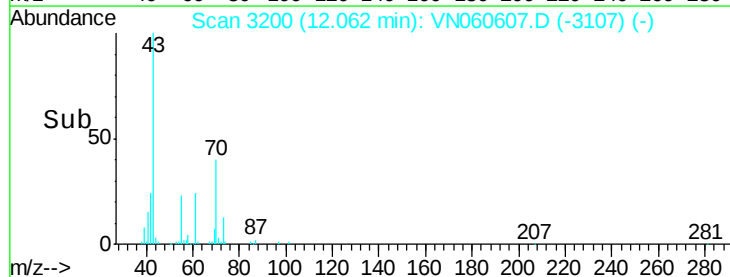
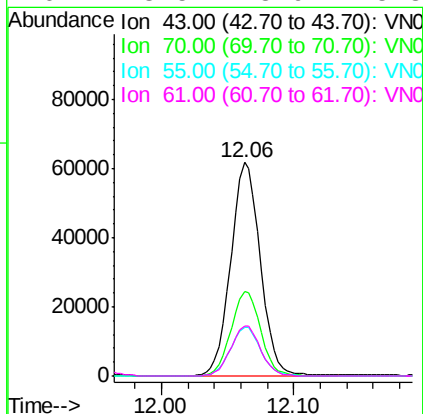
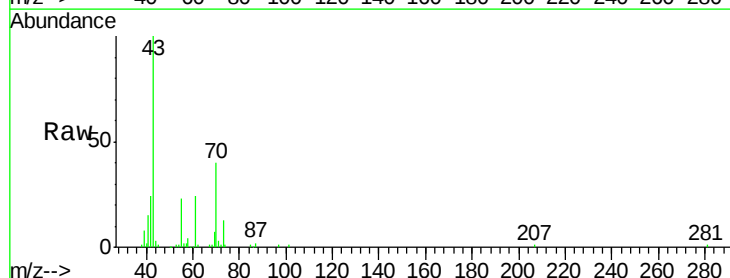
Ion Ratio Lower Upper

43 100

70 39.5 31.1 46.7

55 23.3 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.889 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

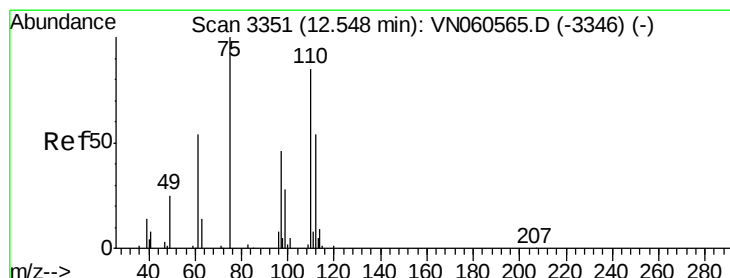
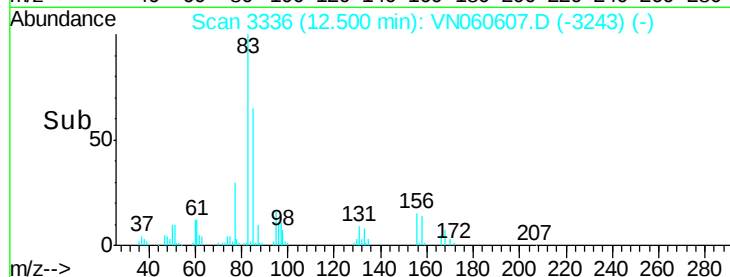
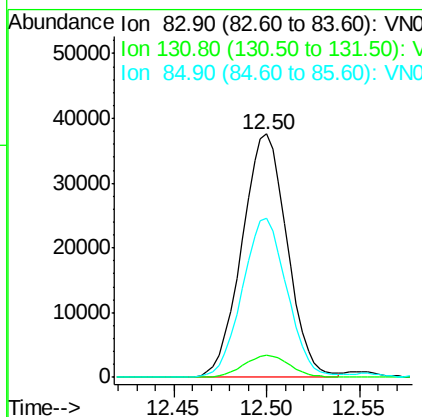
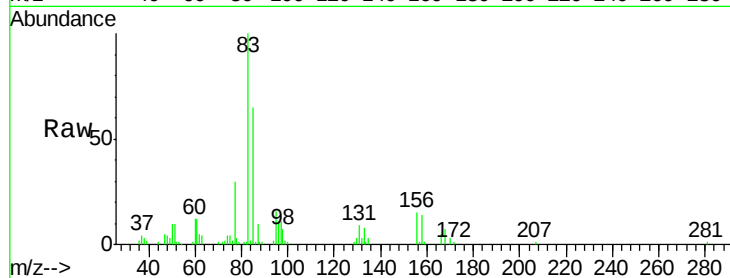
ClientSampleId :

VN0318WBS02

Tot Ion:	83	Resp:	63631
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	64.5	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 21.070 ug/l m

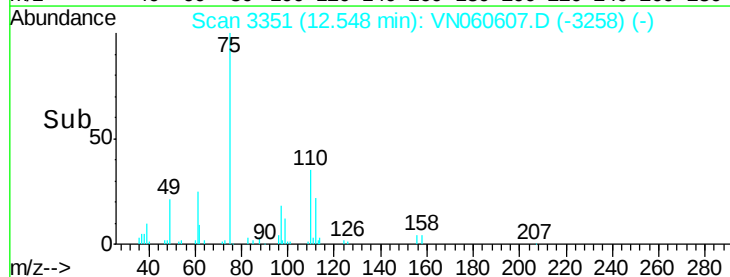
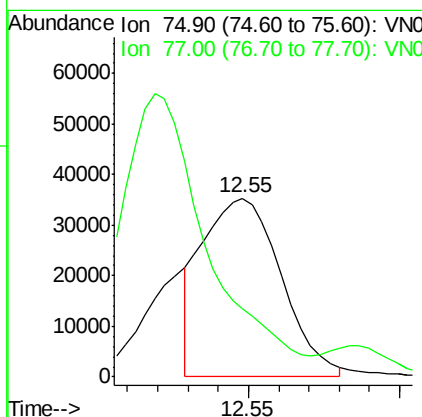
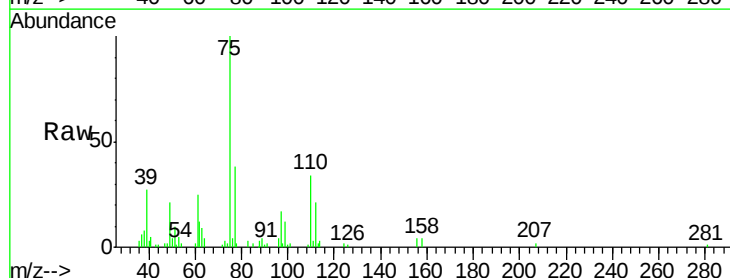
RT: 12.55 min Scan# 3351

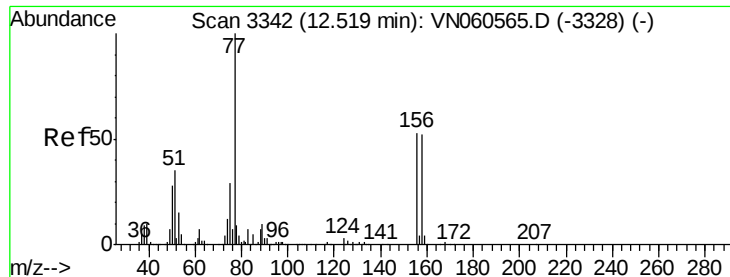
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	75	Resp:	64092
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.945 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:156 Resp: 50845

Ion Ratio Lower Upper

156 100

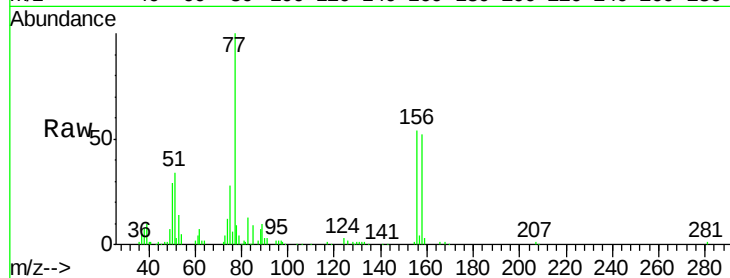
77 224.1 112.3 337.0

158 97.8 48.6 145.8

Manual Integrations
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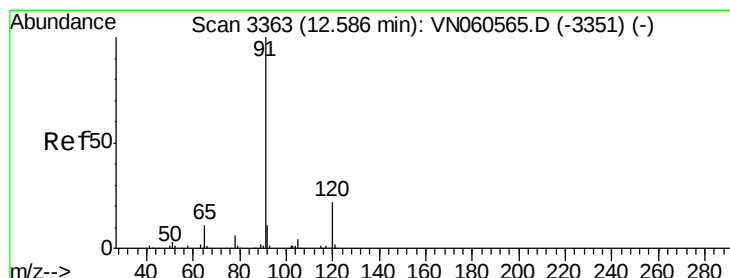
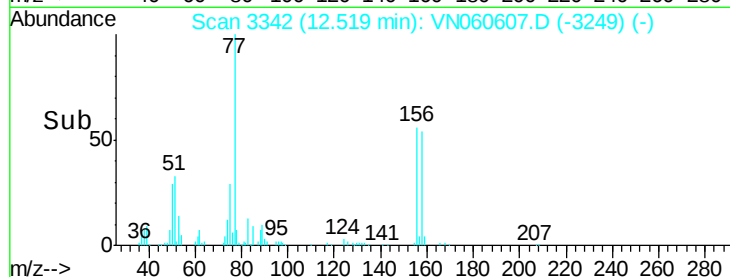
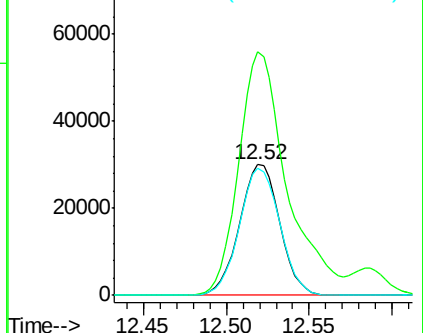
3/19/2020 1:59:52 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.907 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060607.D

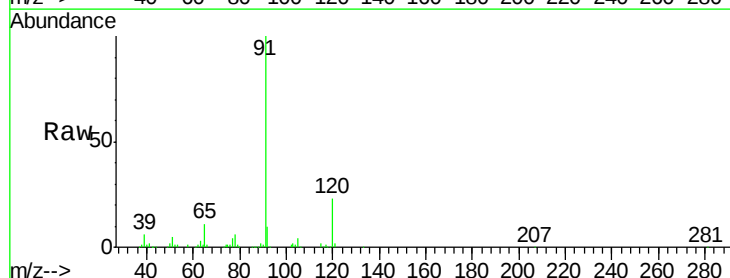
Acq: 18 Mar 2020 22:05

Tgt Ion: 91 Resp: 248820

Ion Ratio Lower Upper

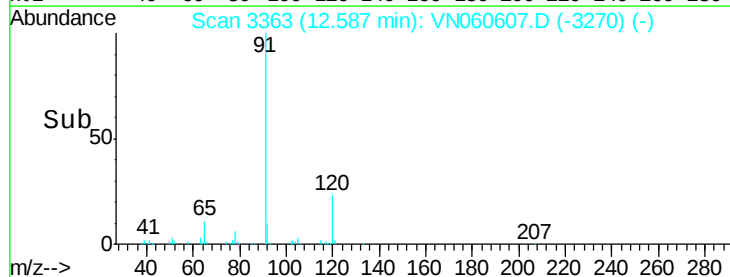
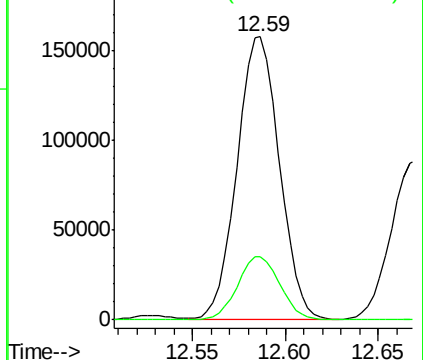
91 100

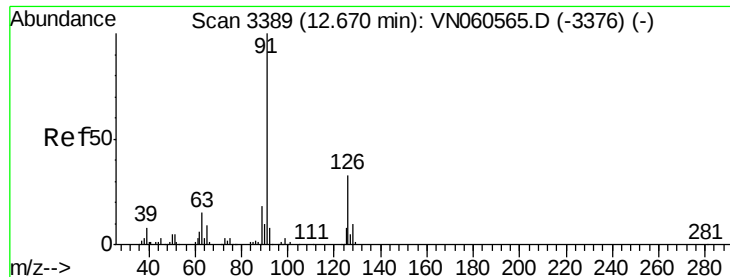
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.448 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 91 Resp: 145241

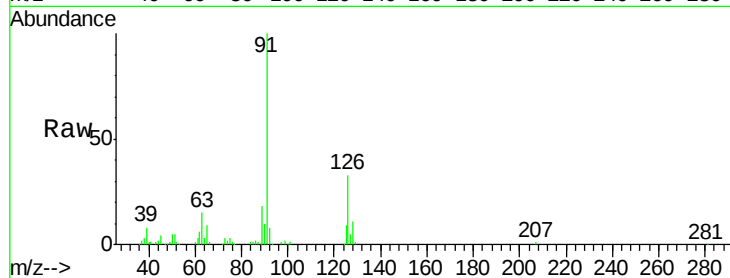
Ion Ratio Lower Upper

91 100

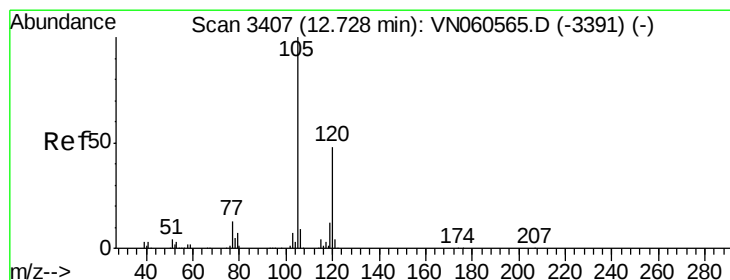
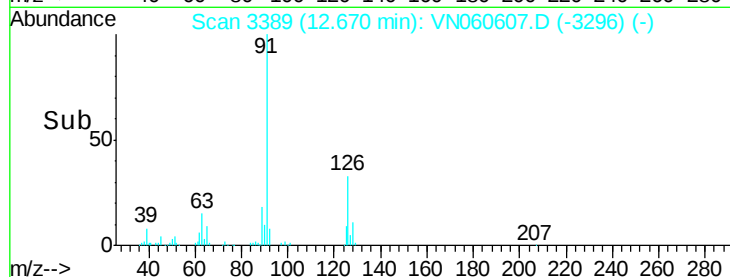
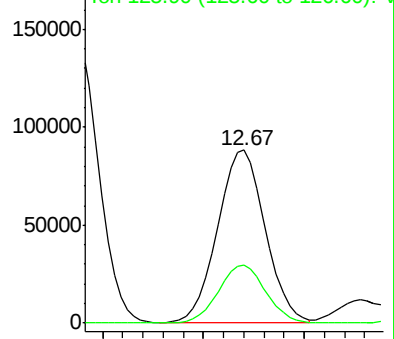
126 33.3 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060607.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.739 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060607.D

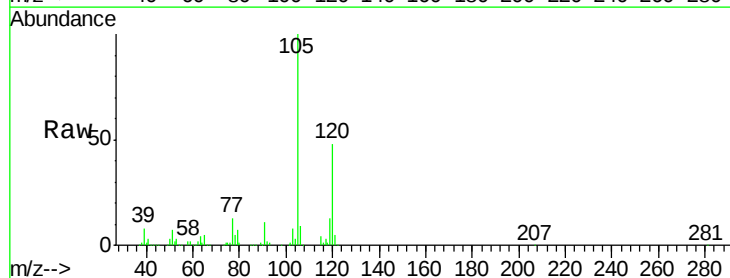
Acq: 18 Mar 2020 22:05

Tgt Ion: 105 Resp: 177218

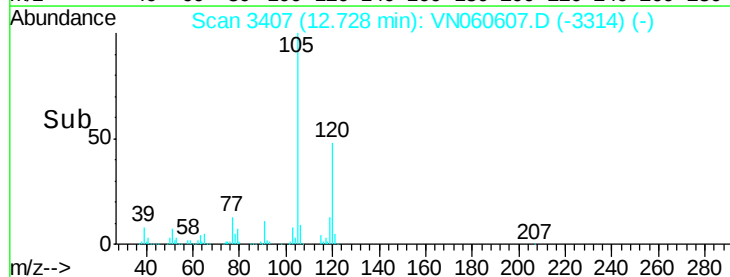
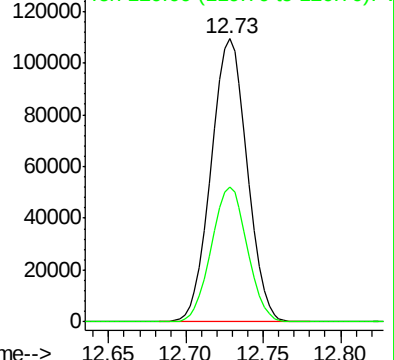
Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060607.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.092 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

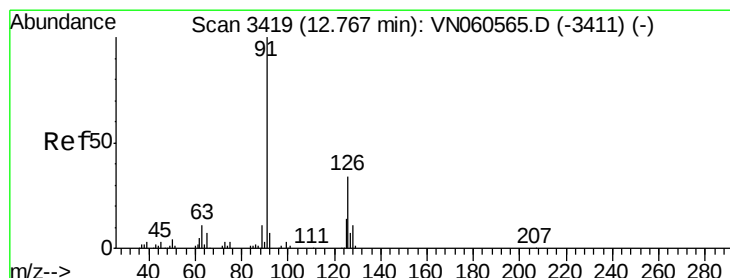
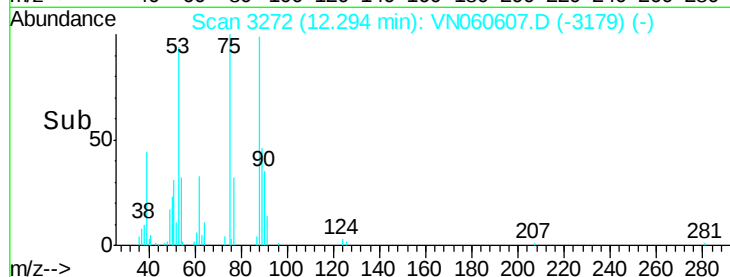
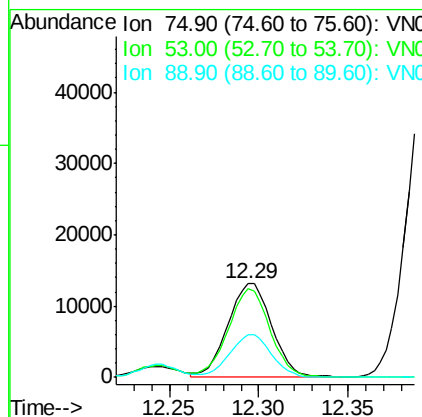
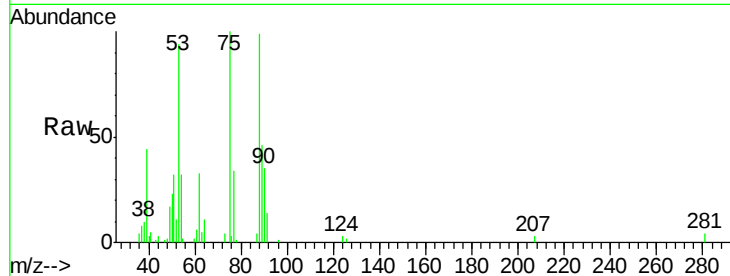
ClientSampleId :

VN0318WBS02

Tot Ion:	75	Resp:	22613
Ion	Ratio	Lower	Upper
75	100		
53	89.8	73.0	109.4
89	43.3	34.8	52.2

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#82

4-Chlorotoluene

Concen: 20.219 ug/l

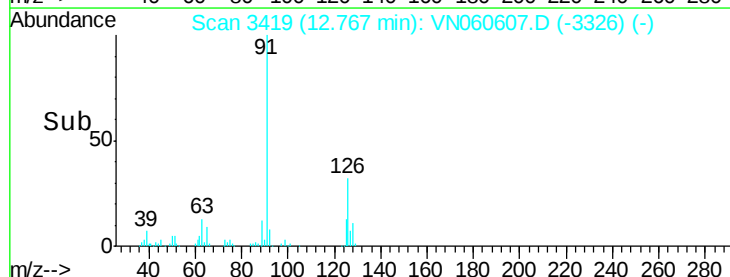
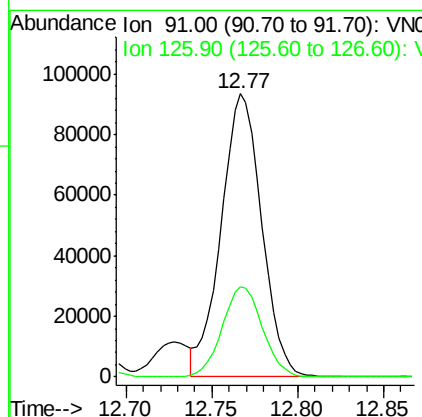
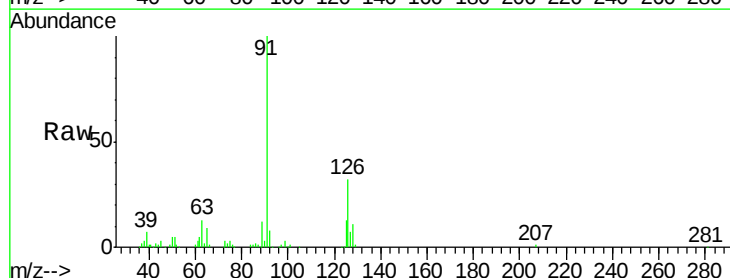
RT: 12.77 min Scan# 3419

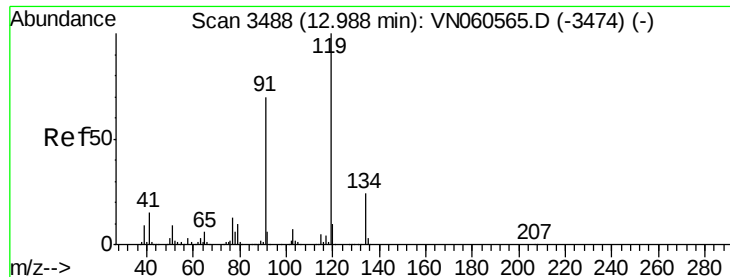
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	91	Resp:	153791
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





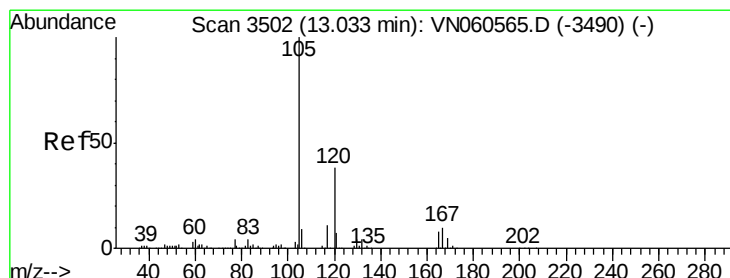
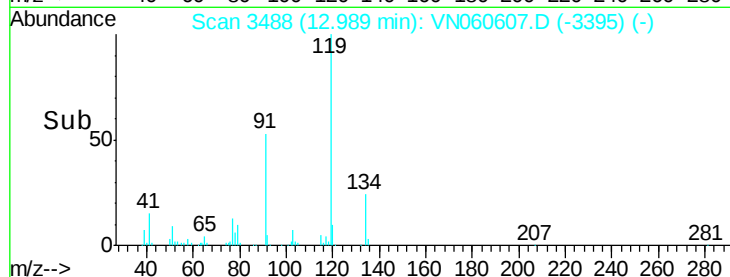
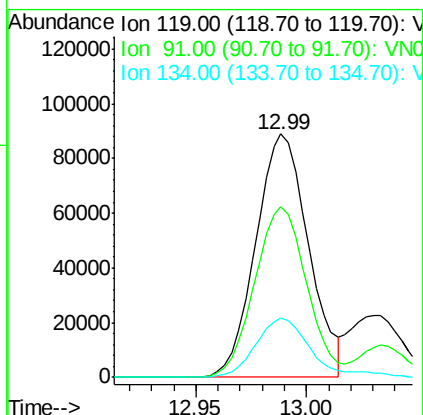
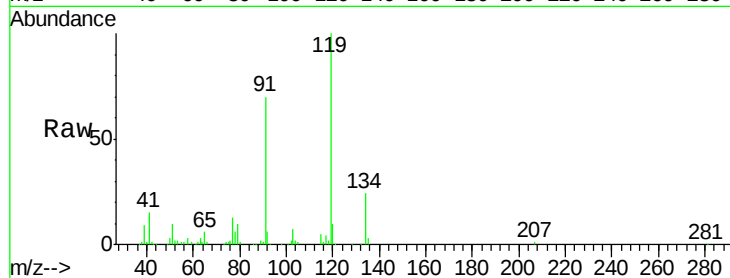
#83
tert-Butylbenzene
Concen: 19.789 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.0	101.8
134	25.5	12.7	38.0

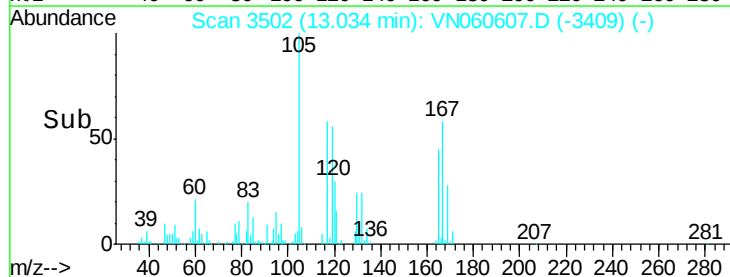
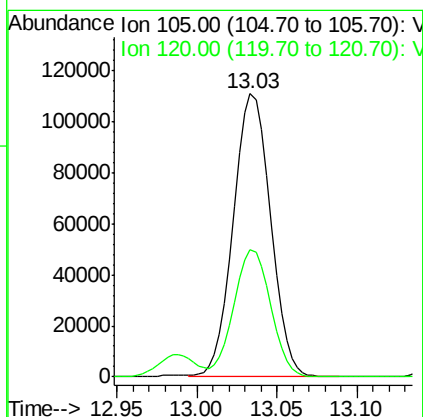
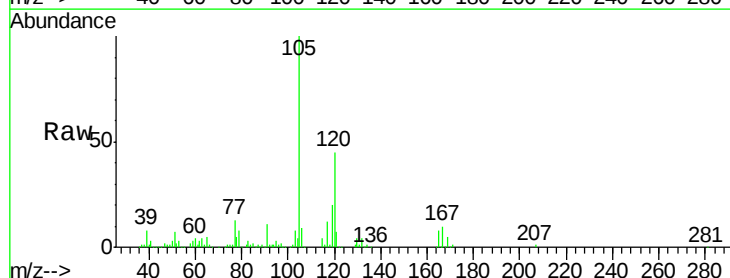
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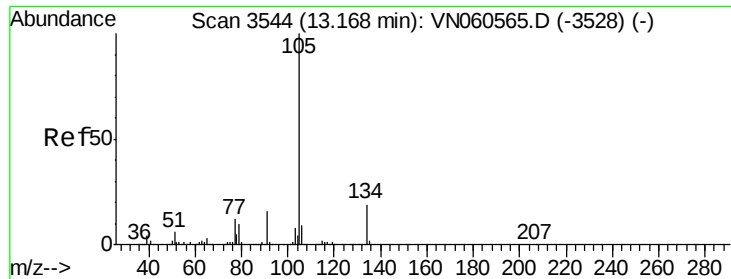
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#84
1,2,4-Trimethylbenzene
Concen: 19.854 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.752 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

Tot Ion:105 Resp: 197680

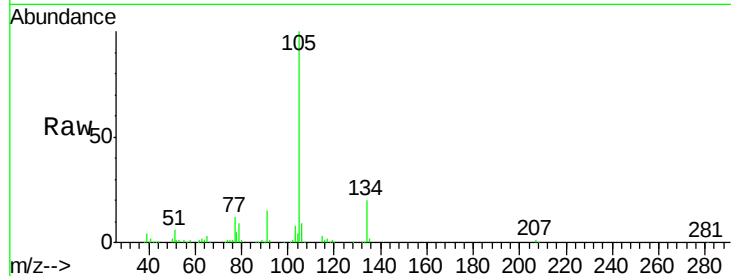
Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.8

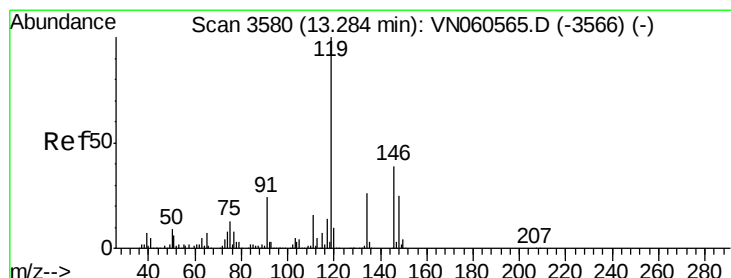
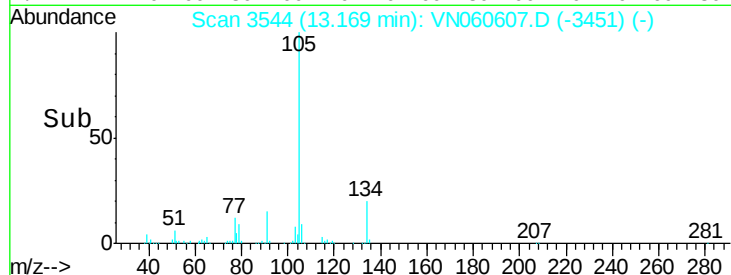
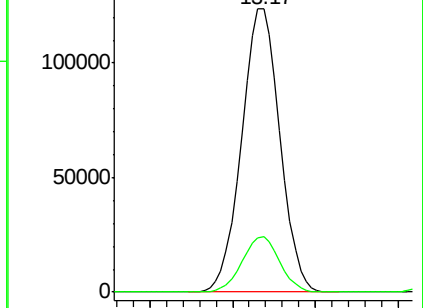
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.577 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

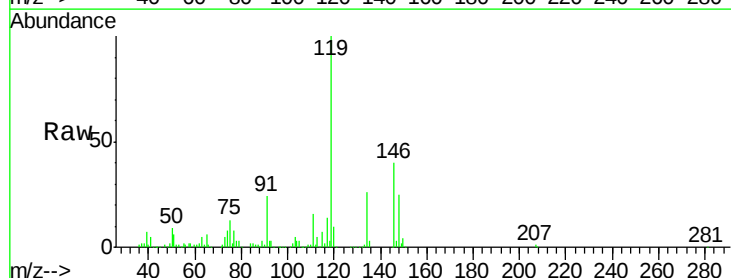
Tgt Ion:119 Resp: 176181

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

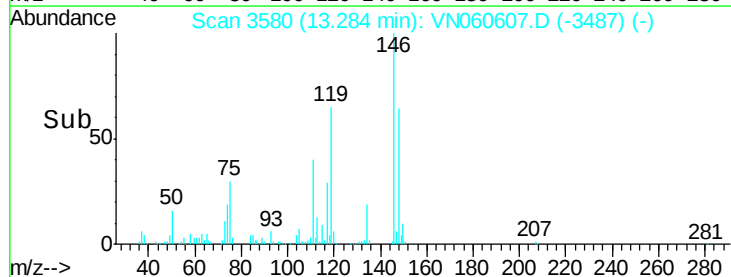
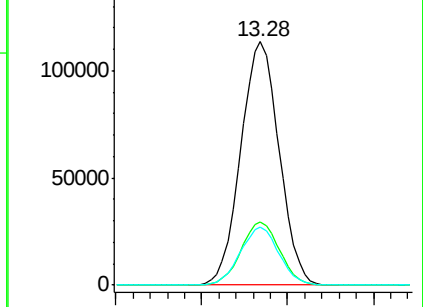
91 23.9 12.0 36.0

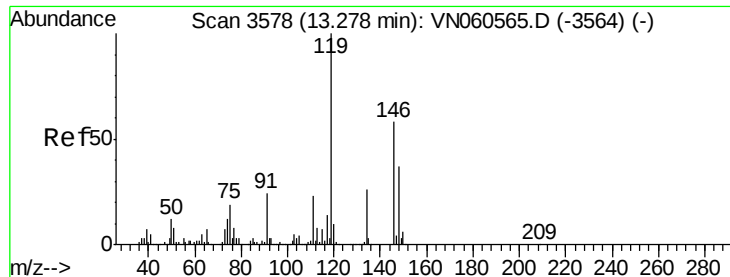


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.951 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060607.D

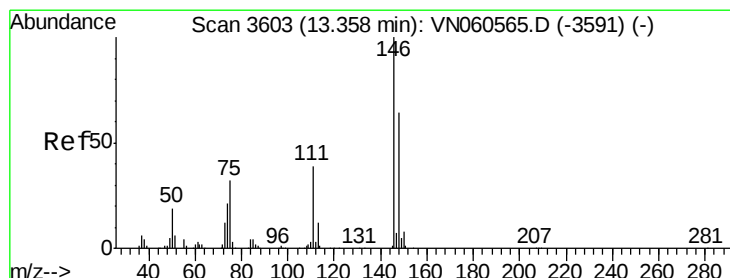
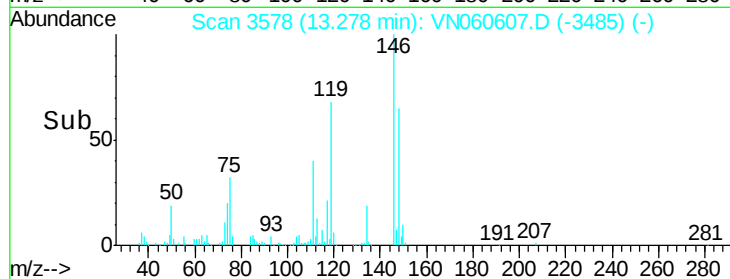
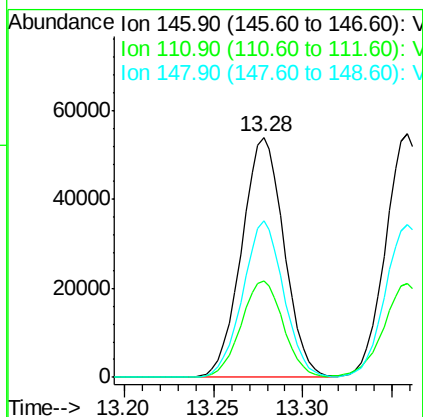
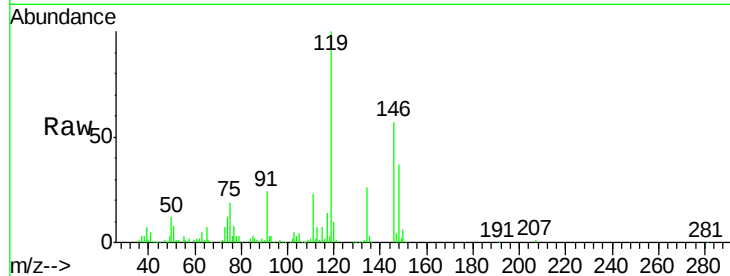
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	62.9	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 19.741 ug/l

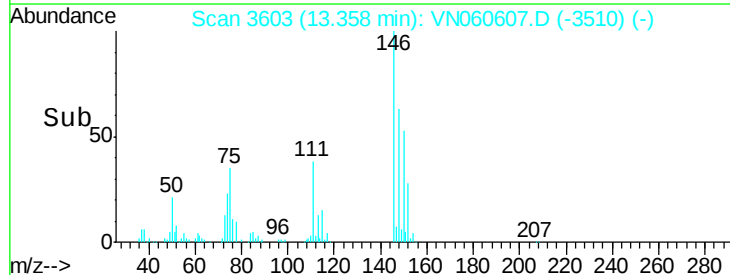
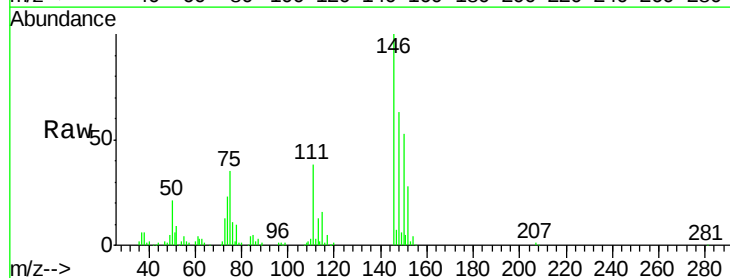
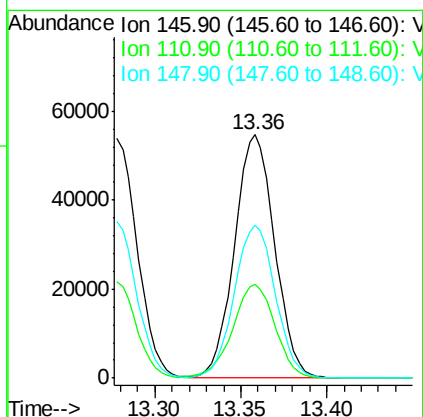
RT: 13.36 min Scan# 3603

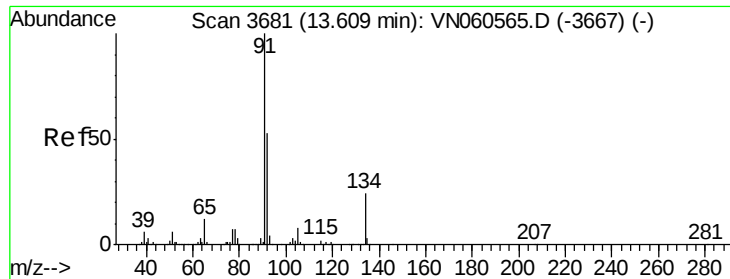
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.4	32.1	96.3





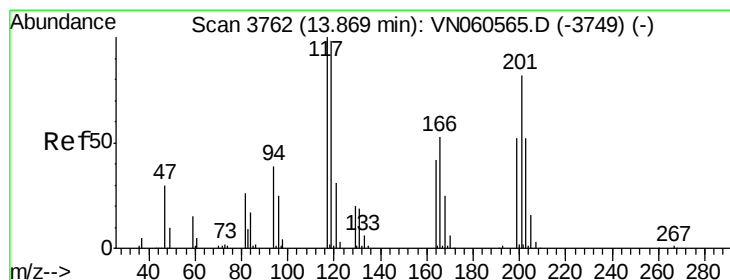
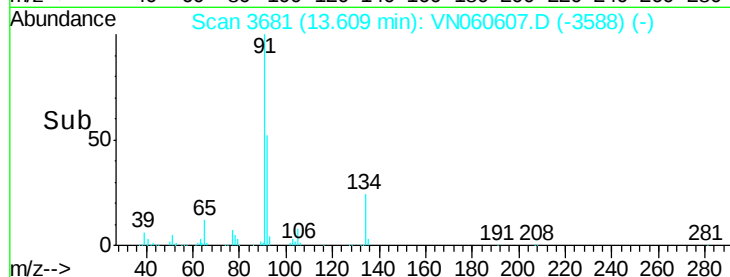
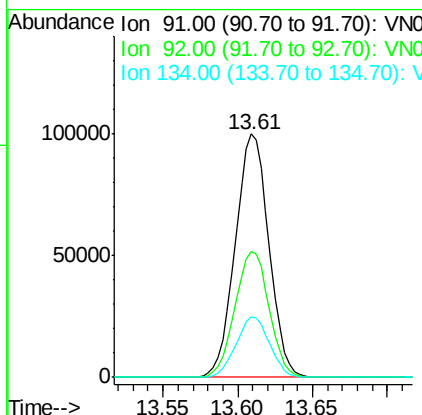
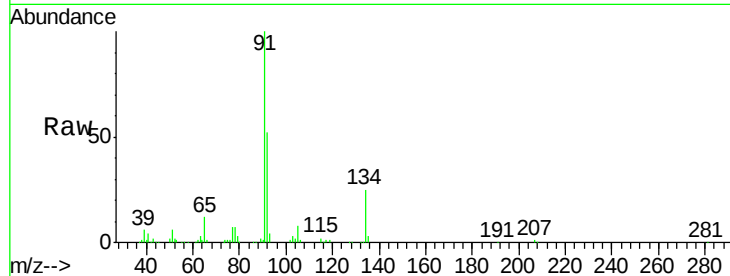
#89
n-Butylbenzene
Concen: 19.202 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.8	12.3	36.9

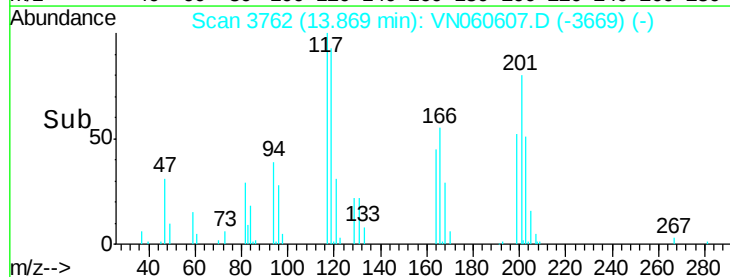
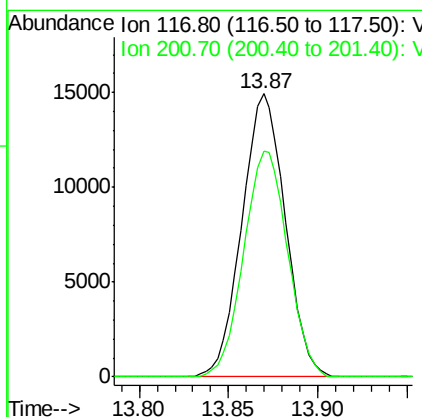
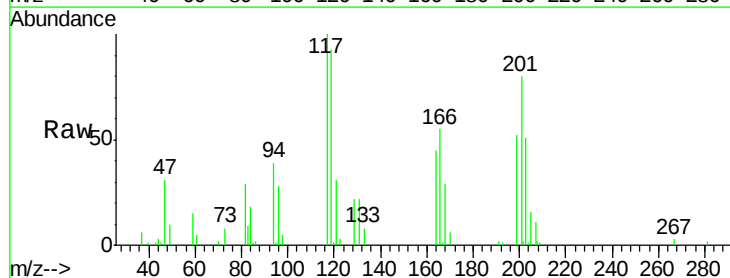
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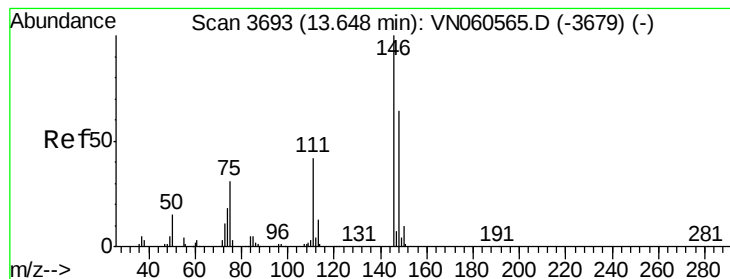
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#90
Hexachloroethane
Concen: 19.405 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 20.271 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Instrument :

MSVOA_N

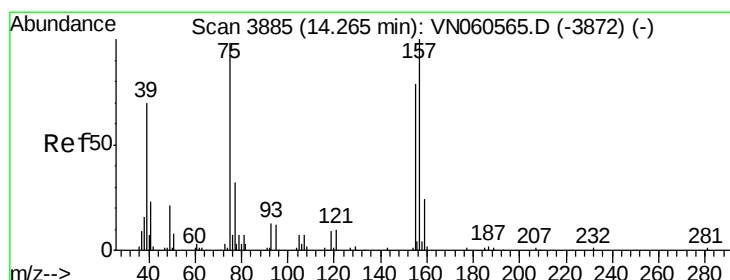
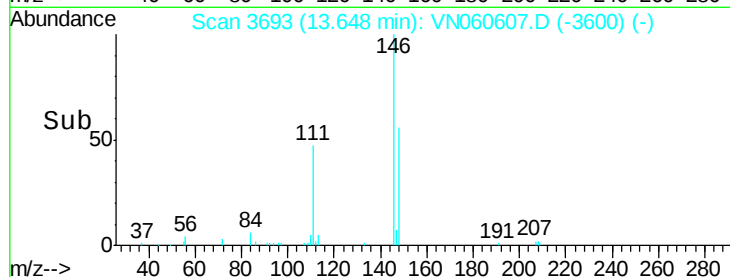
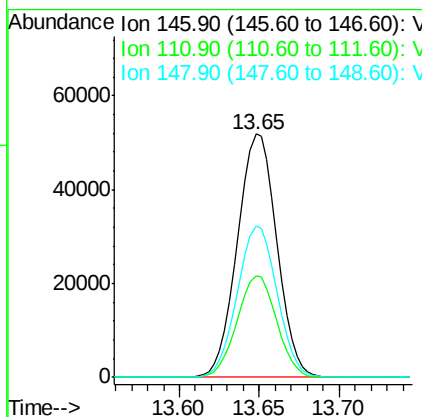
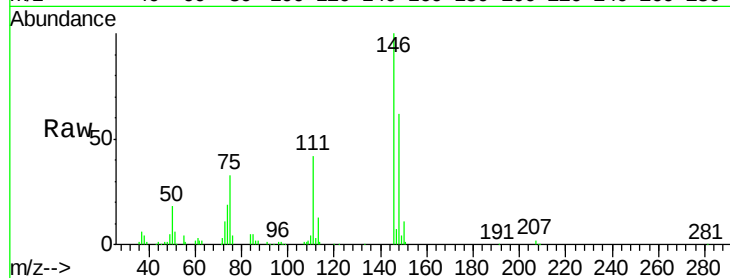
ClientSampleId :

VN0318WBS02

Tot Ion:	146	Resp:	87148
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.0	63.0
148	62.7	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.896 ug/l

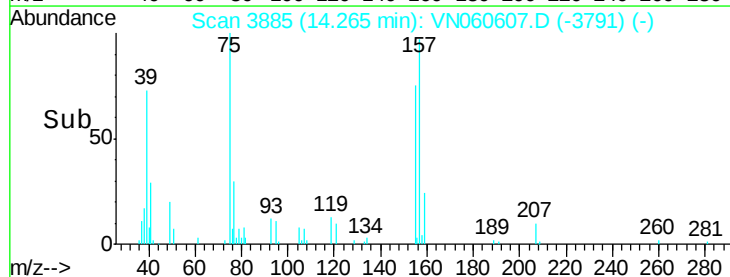
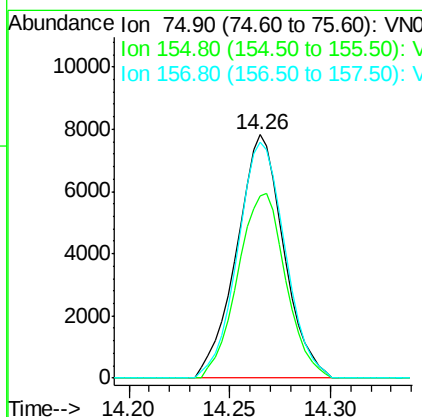
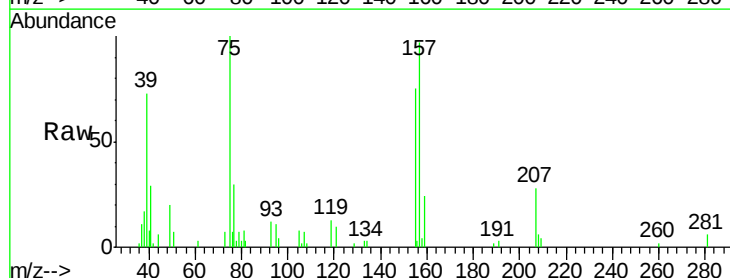
RT: 14.26 min Scan# 3885

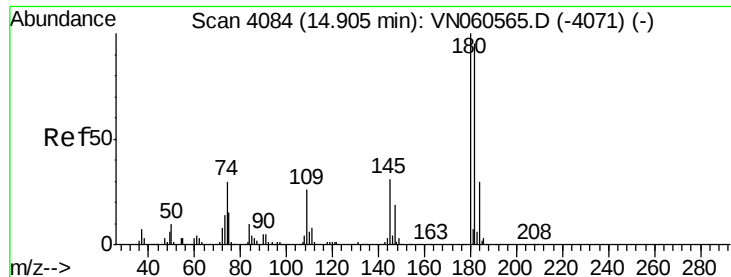
Delta R.T. 0.00 min

Lab File: VN060607.D

Acq: 18 Mar 2020 22:05

Tgt Ion:	75	Resp:	12774
Ion Ratio	Lower	Upper	
75	100		
155	77.2	40.7	122.1
157	97.7	51.5	154.7





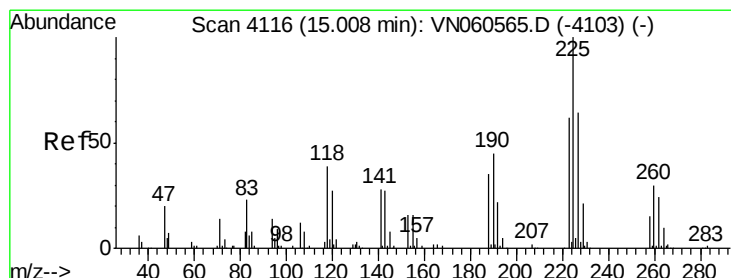
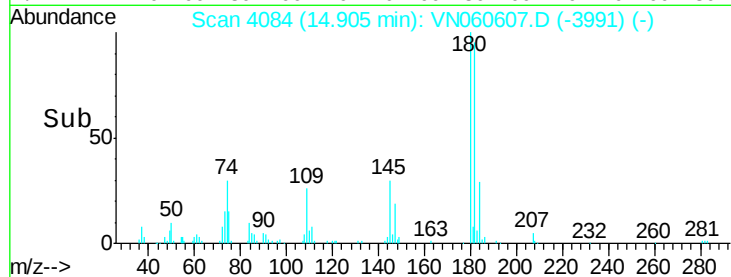
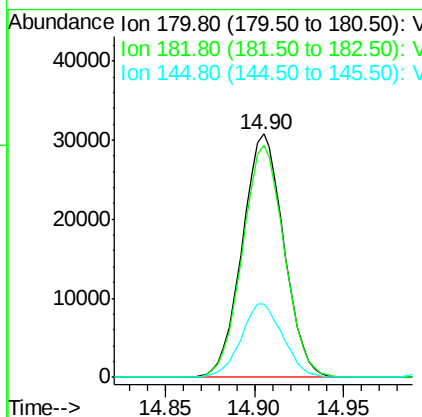
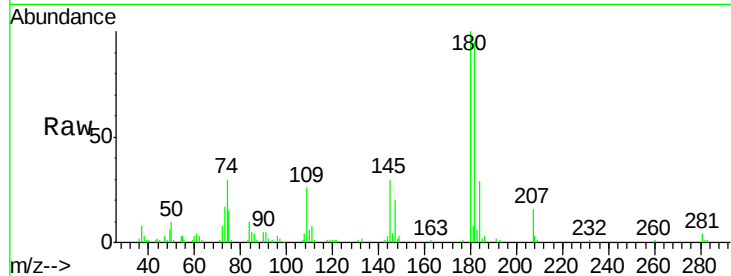
#93
 1,2,4-Trichlorobenzene
 Concen: 19.065 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	30.1	15.4	46.2

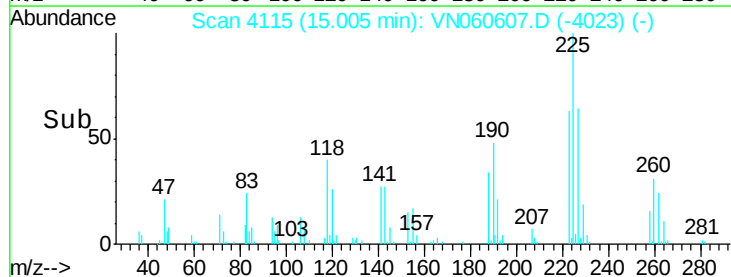
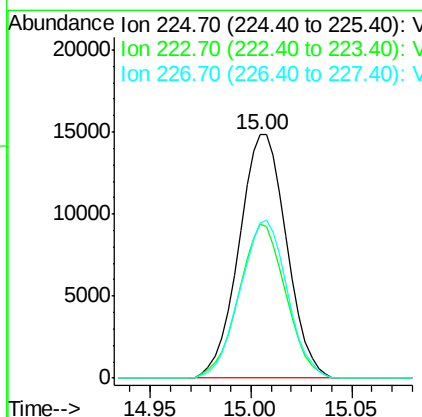
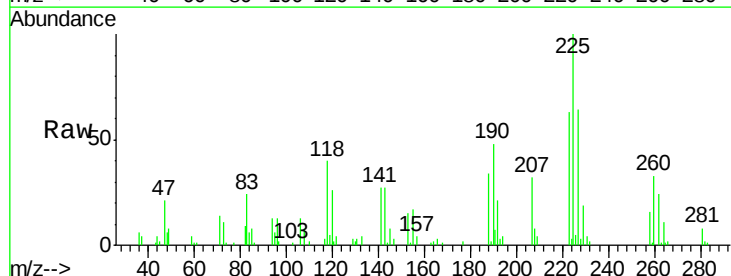
Manual Integrations
 APPROVED

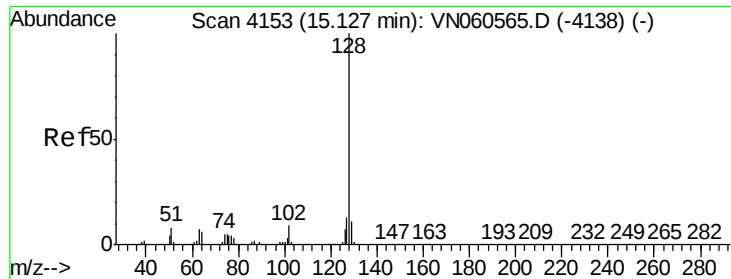
MMDadoda
 3/19/2020 1:59:52 PM



#94
 Hexachlorobutadiene
 Concen: 18.949 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060607.D
 Acq: 18 Mar 2020 22:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.6	95.0
227	64.2	32.3	96.8





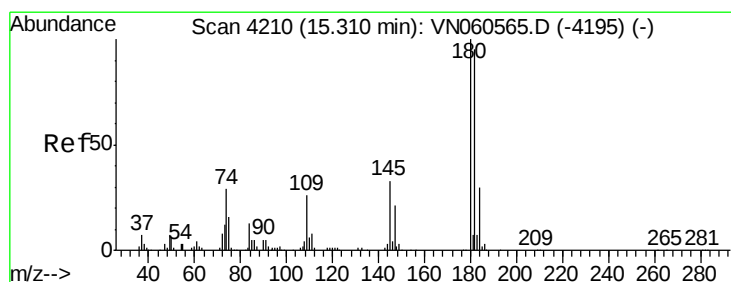
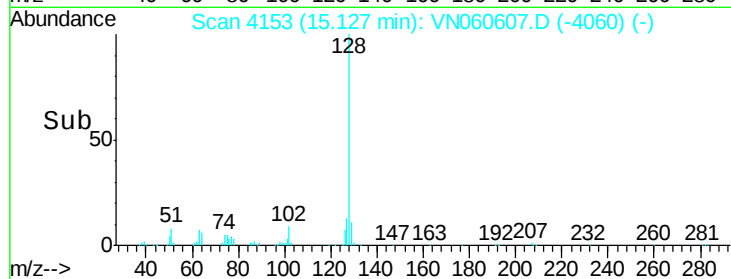
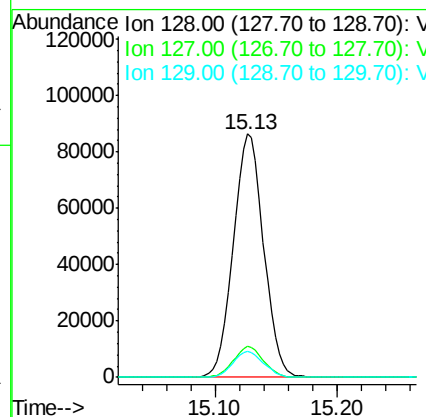
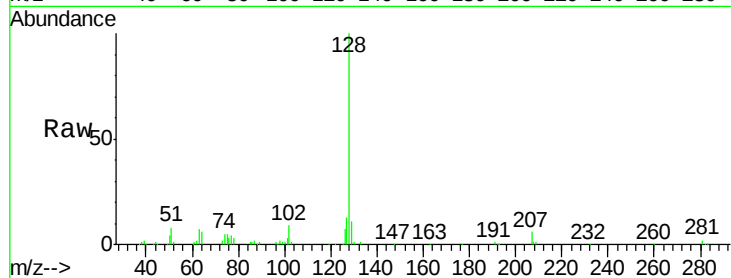
#95
Naphthalene
Concen: 18.811 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.4		10.2	15.2	
129	10.8		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:59:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.122 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060607.D
Acq: 18 Mar 2020 22:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	96.2		47.5	142.6	
145	31.5		16.3	48.8	

