

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060925.D
 Acq On : 14 Apr 2020 11:27
 Operator : JC/MD
 Sample : VN0414WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 1:49:54 PM

Quant Time: Apr 15 08:42:41 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	144490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	240120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	216463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97023	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.56	113	72387	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.08	98	283640	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	104065	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21891	15.658	ug/l	100
3) Chloromethane	2.04	50	40323	15.443	ug/l	100
4) Vinyl Chloride	2.17	62	32691	16.007	ug/l	100
5) Bromomethane	2.55	94	17006	19.289	ug/l	98
6) Chloroethane	2.69	64	21084	17.921	ug/l	99
7) Trichlorofluoromethane	3.00	101	45070	17.914	ug/l	99
8) Diethyl Ether	3.38	74	19348	19.144	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	28047	19.239	ug/l	98
10) Methyl Iodide	3.93	142	21848	16.843	ug/l	98
11) Tert butyl alcohol	4.72	59	32229	110.482	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27776	17.755	ug/l	98
13) Acrolein	3.57	56	25986	80.376	ug/l	99
14) Allyl chloride	4.29	41	52990	19.259	ug/l	96
15) Acrylonitrile	4.94	53	87899	102.469	ug/l	99
16) Acetone	3.78	43	82883	117.966	ug/l	99
17) Carbon Disulfide	4.03	76	74702	15.701	ug/l	100
18) Methyl Acetate	4.28	43	42811	21.647	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	102388	19.037	ug/l	97
20) Methylene Chloride	4.52	84	31754	18.372	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	29163	17.491	ug/l	89
22) Diisopropyl ether	5.91	45	118435	20.375	ug/l	100
23) Vinyl Acetate	5.86	43	479816	101.167	ug/l	99
24) 1,1-Dichloroethane	5.81	63	61760	19.490	ug/l	99
25) 2-Butanone	6.80	43	121494	106.861	ug/l	98
26) 2,2-Dichloropropane	6.79	77	51836	20.791	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	35241	18.600	ug/l	97
28) Bromochloromethane	7.17	49	31577	20.827	ug/l	95
29) Tetrahydrofuran	7.18	42	81045	100.749	ug/l	98
30) Chloroform	7.34	83	57411	18.898	ug/l	98
31) Cyclohexane	7.63	56	56554	17.703	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	48576	18.549	ug/l	98
36) 1,1-Dichloropropene	7.77	75	42988	18.489	ug/l	98
37) Ethyl Acetate	6.89	43	50643	20.158	ug/l	99
38) Carbon Tetrachloride	7.75	117	37837	18.157	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	51873	18.773	ug/l	97
40) Benzene	8.02	78	132770	18.916	ug/l	99
41) Methacrylonitrile	7.14	41	21477m	20.031	ug/l	
42) 1,2-Dichloroethane	8.10	62	47022	19.603	ug/l	99
43) Isopropyl Acetate	8.14	43	83525	20.159	ug/l	98
44) Trichloroethene	8.81	130	32493	18.364	ug/l	98
45) 1,2-Dichloropropane	9.10	63	36651	19.789	ug/l	99
46) Dibromomethane	9.19	93	21480	19.184	ug/l	98
47) Bromodichloromethane	9.38	83	45502	19.556	ug/l	99
48) Methyl methacrylate	9.18	41	35830	19.423	ug/l	98
49) 1,4-Dioxane	9.18	88	11461	522.697	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	245778	104.244	ug/l	98
52) Toluene	10.14	92	79138	18.669	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	52416	19.612	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	57000	19.440	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	31580	19.365	ug/l	98
56) Ethyl methacrylate	10.42	69	48920	19.239	ug/l	97
57) 1,3-Dichloropropane	10.70	76	56241	19.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	114434	90.548	ug/l	99
59) 2-Hexanone	10.74	43	176792	104.094	ug/l	98
60) Dibromochloromethane	10.89	129	32428	19.251	ug/l	99
61) 1,2-Dibromoethane	10.99	107	30756	18.755	ug/l	99
64) Tetrachloroethene	10.62	164	30255	17.762	ug/l	98
65) Chlorobenzene	11.42	112	81214	18.926	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	30749	19.791	ug/l	97
67) Ethyl Benzene	11.50	91	152036	19.052	ug/l	99
68) m/p-Xylenes	11.61	106	109932	37.071	ug/l	96
69) o-Xylene	11.94	106	54370	19.206	ug/l	100
70) Styrene	11.96	104	86440	18.670	ug/l	99
71) Bromoform	12.12	173	22395	18.440	ug/l #	100
73) Isopropylbenzene	12.24	105	146669	19.279	ug/l	99
74) N-amyl acetate	12.06	43	67576	19.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46716	20.306	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	38244m	17.484	ug/l	
77) Bromobenzene	12.52	156	33744	18.408	ug/l	96
78) n-propylbenzene	12.59	91	171614	19.094	ug/l	99
79) 2-Chlorotoluene	12.67	91	101159	18.837	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	120867	18.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	16250	19.080	ug/l	98
82) 4-Chlorotoluene	12.77	91	105892	19.360	ug/l	97
83) tert-Butylbenzene	12.99	119	103236	19.290	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	121842	19.077	ug/l	99
85) sec-Butylbenzene	13.17	105	141739	19.695	ug/l	100
86) p-Isopropyltoluene	13.28	119	127217	19.658	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	60564	18.732	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	60997	18.778	ug/l	99
89) n-Butylbenzene	13.61	91	115073	19.695	ug/l	100
90) Hexachloroethane	13.87	117	19957	21.216	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	59251	19.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8952	18.408	ug/l	95

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QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	34923	18.395	ug/l	98
94) Hexachlorobutadiene	15.01	225	18928	20.338	ug/l	99
95) Naphthalene	15.13	128	99970	17.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	34248	18.315	ug/l	100

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

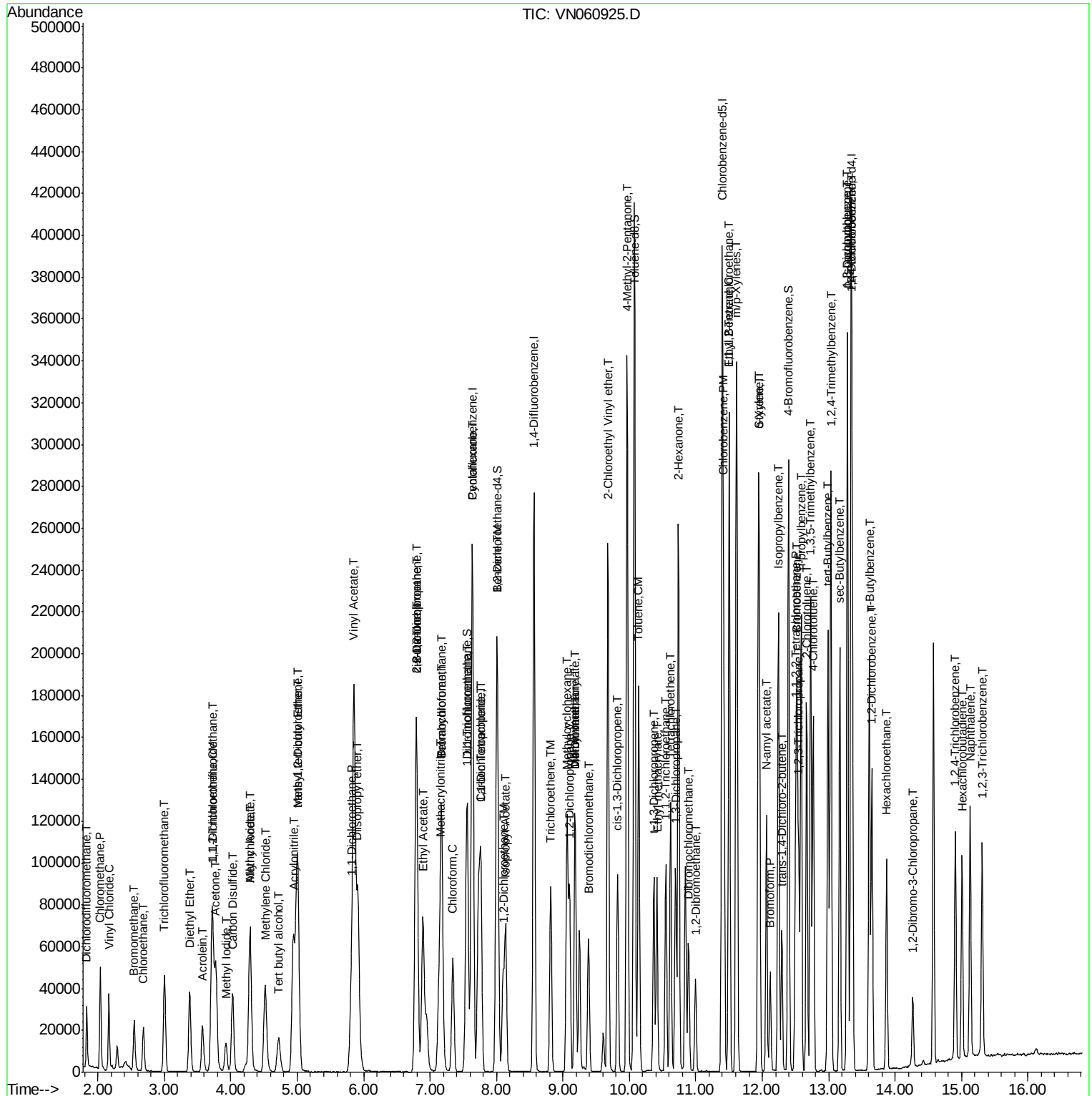
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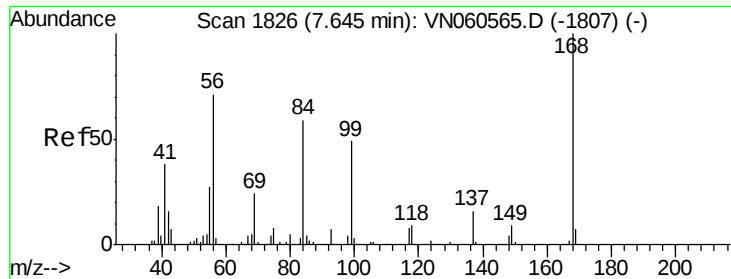
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:168 Resp: 144490

Ion Ratio Lower Upper

168 100

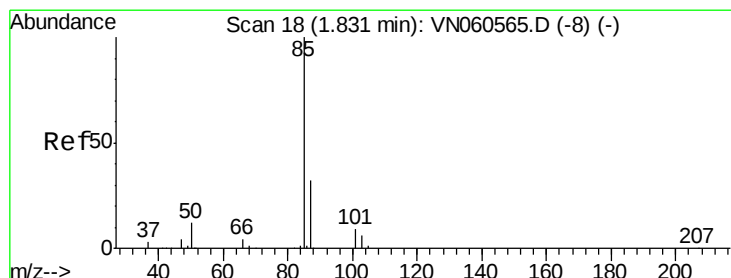
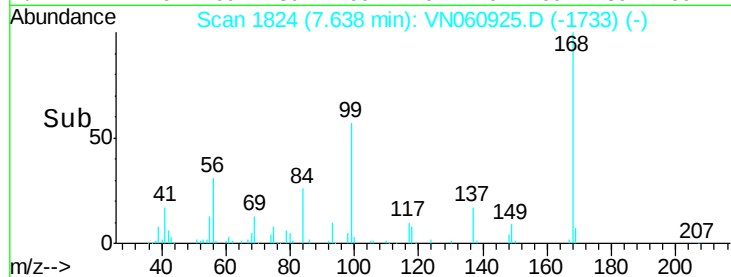
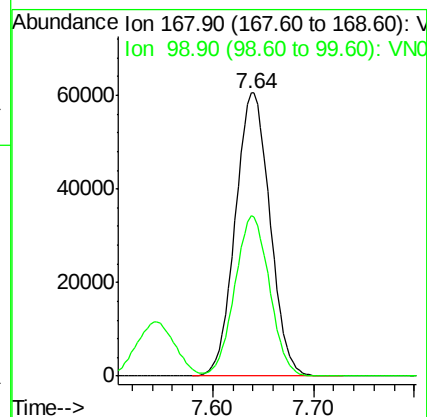
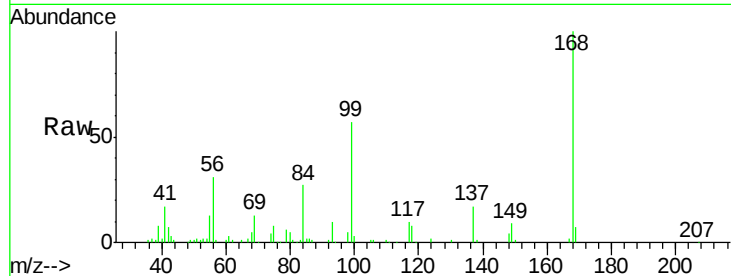
99 56.6 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.658 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060925.D

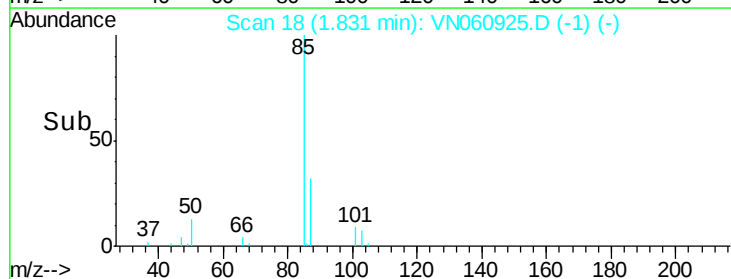
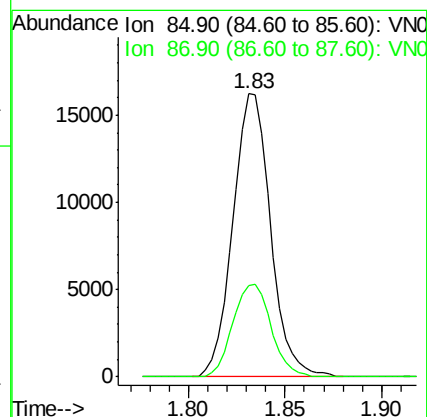
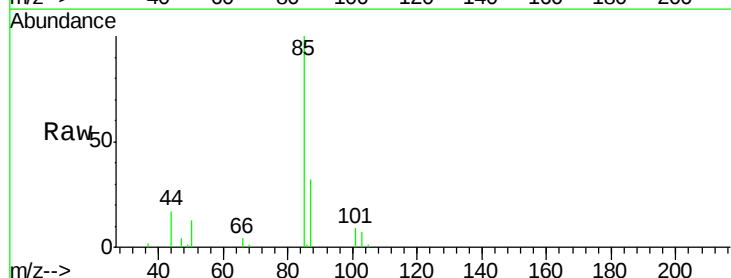
Acq: 14 Apr 2020 11:27

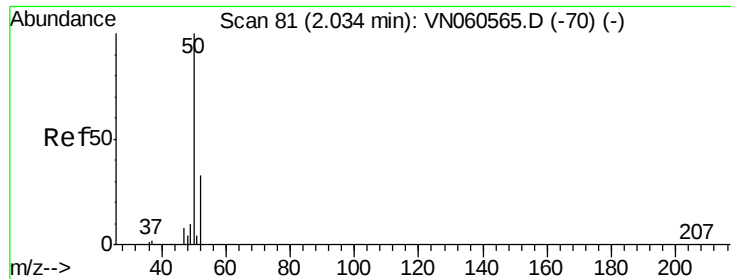
Tgt Ion: 85 Resp: 21891

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5





#3

Chloromethane

Concen: 15.443 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 50 Resp: 40323

Ion Ratio Lower Upper

50 100

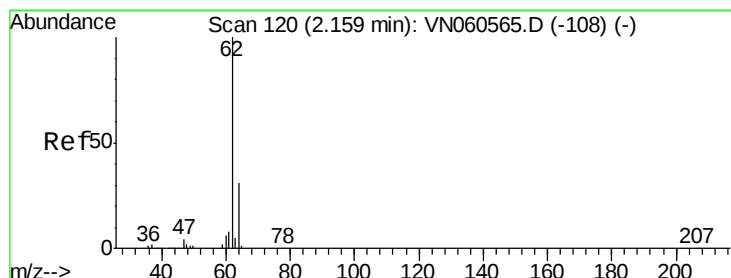
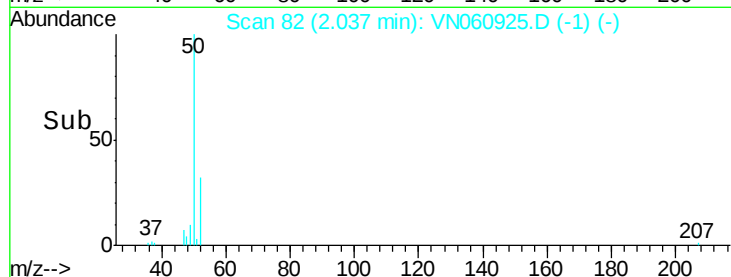
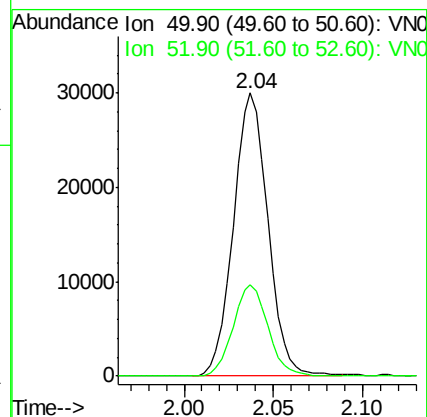
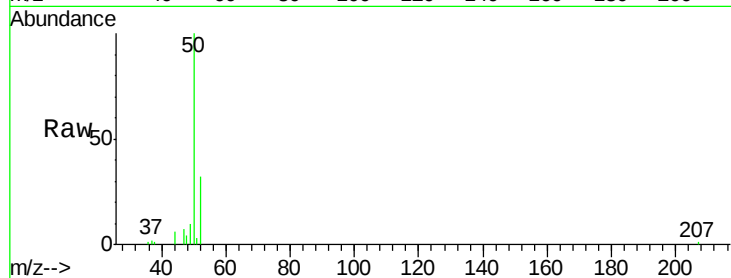
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.007 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060925.D

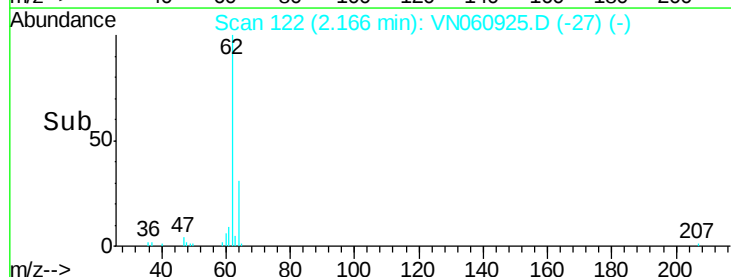
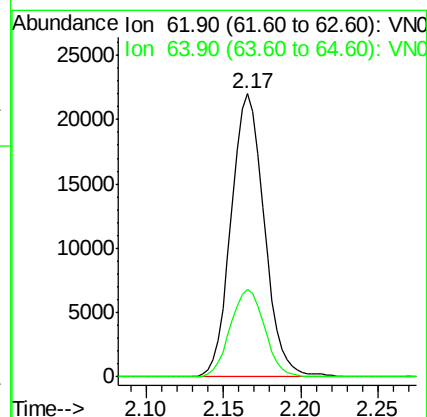
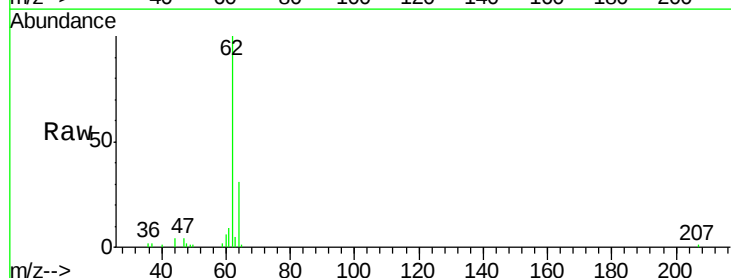
Acq: 14 Apr 2020 11:27

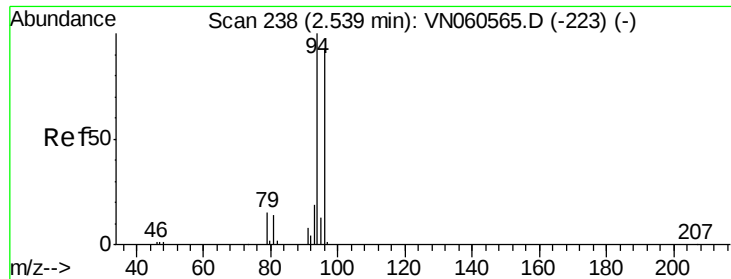
Tgt Ion: 62 Resp: 32691

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 19.289 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

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VN0414WBS01

Tot Ion: 94 Resp: 17006

Ion Ratio Lower Upper

94 100

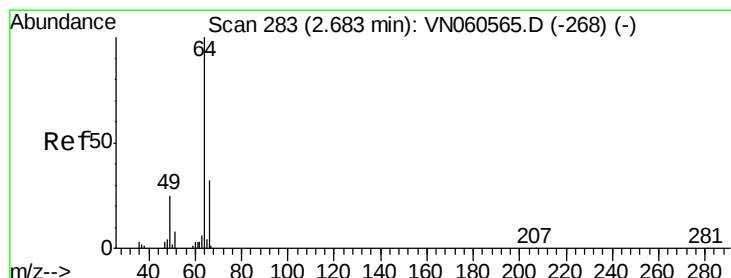
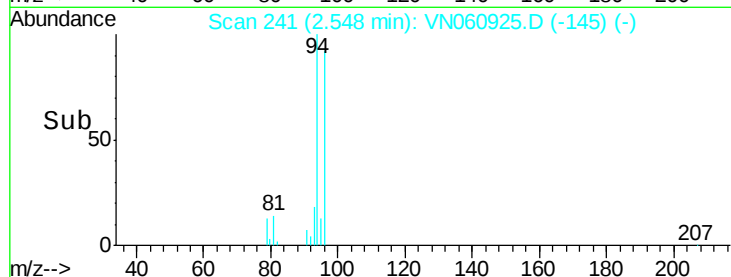
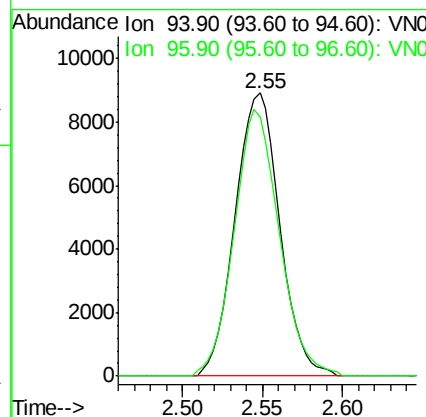
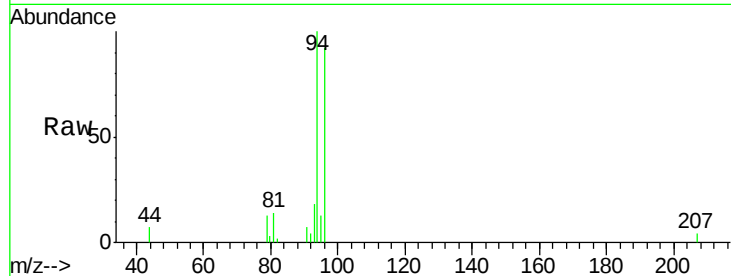
96 91.5 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 17.921 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060925.D

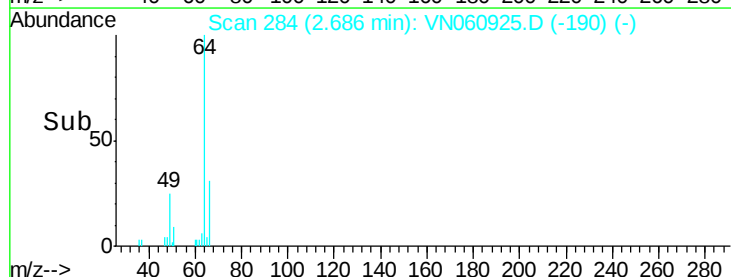
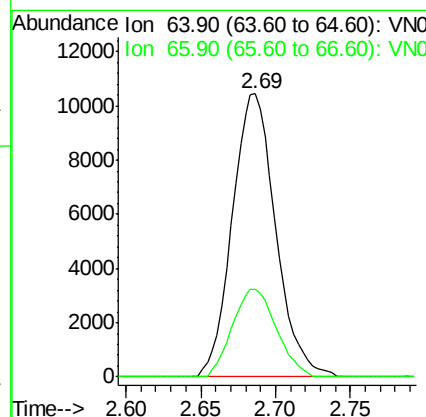
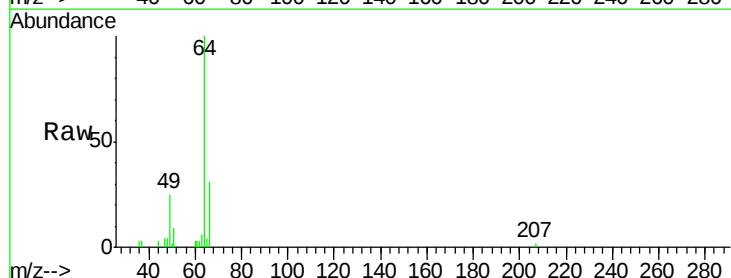
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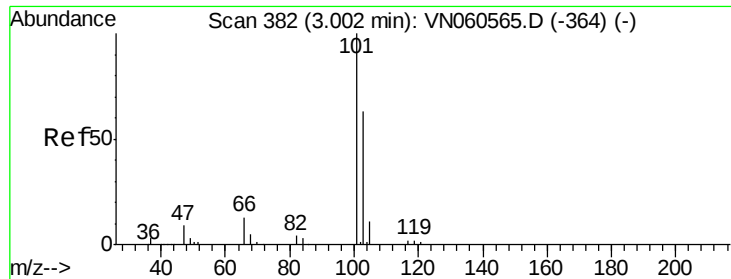
Tgt Ion: 64 Resp: 21084

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9





#7

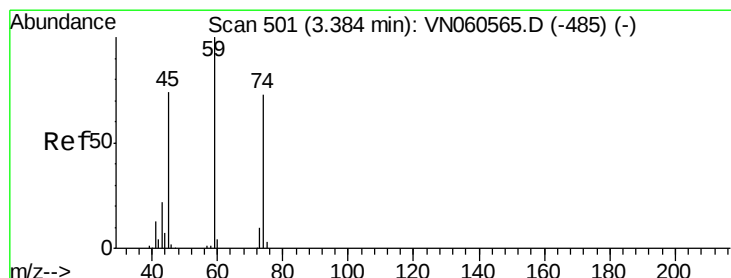
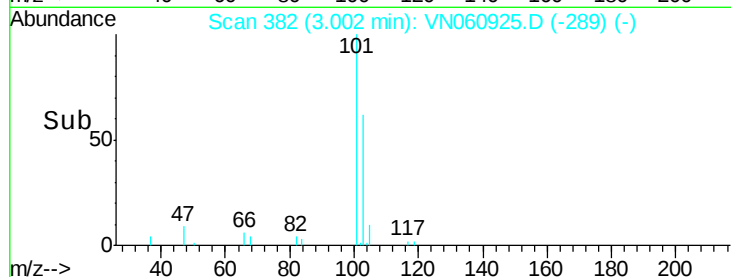
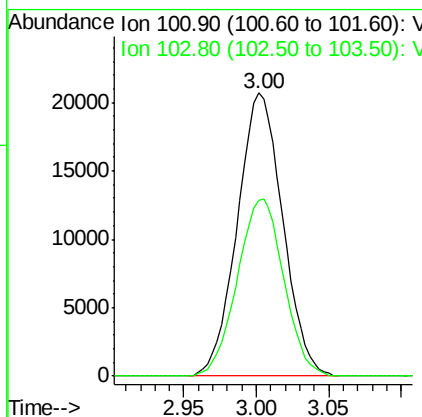
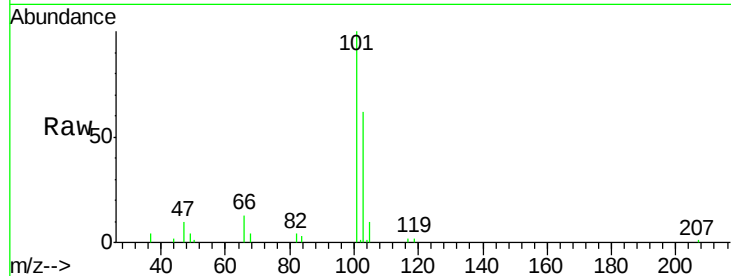
Trichlorofluoromethane
 Concen: 17.914 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060925.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.6	76.0

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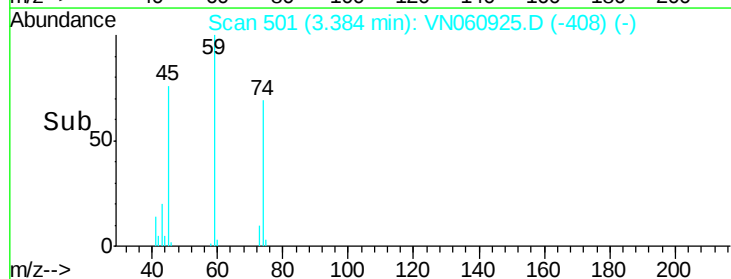
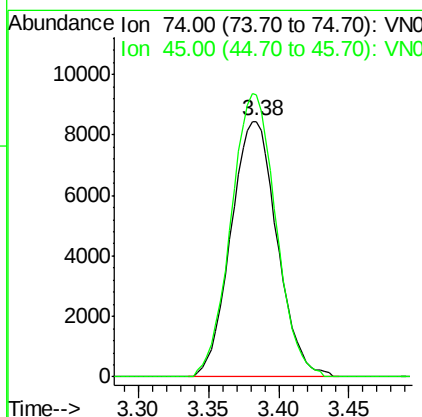
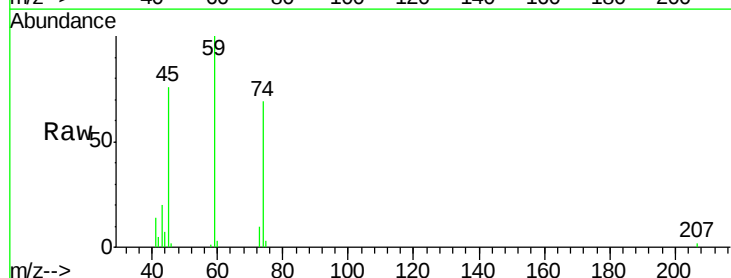
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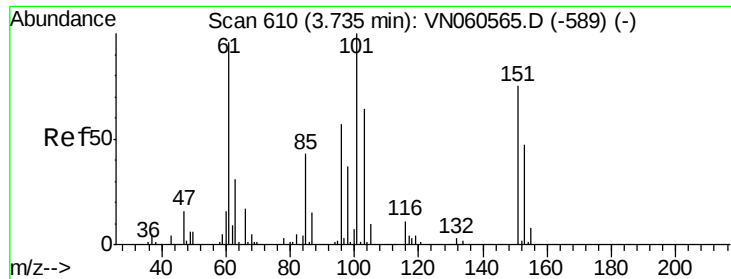


#8

Diethyl Ether
 Concen: 19.144 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060925.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.239 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

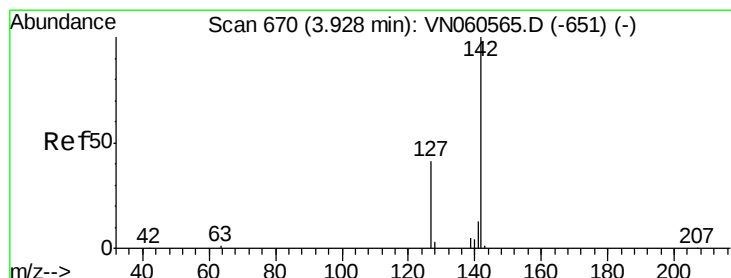
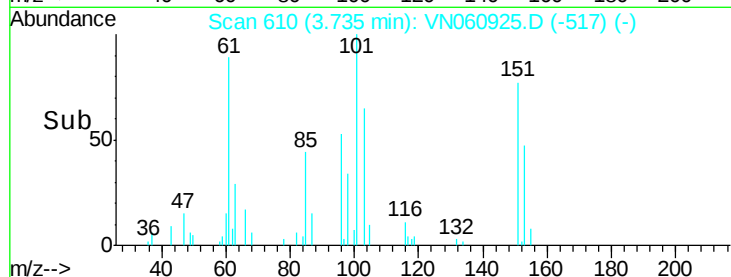
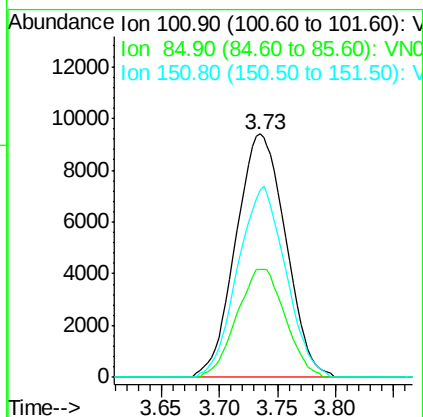
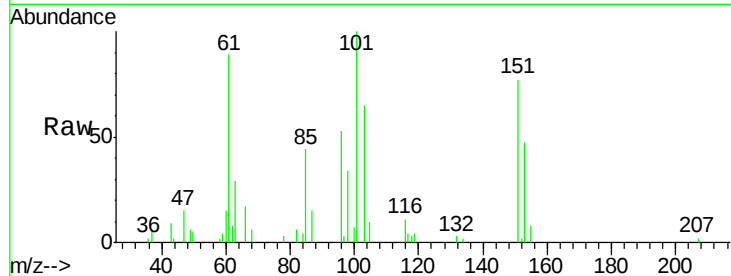
ClientSampleId :

VN0414WBS01

Tot Ion:	101	Resp:	28047
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.6	53.4
151	75.6	61.4	92.2

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#10

Methyl Iodide

Concen: 16.843 ug/l

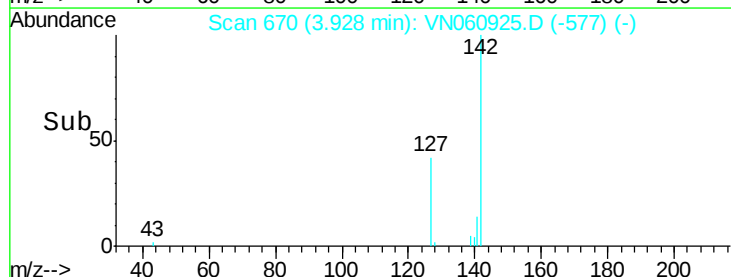
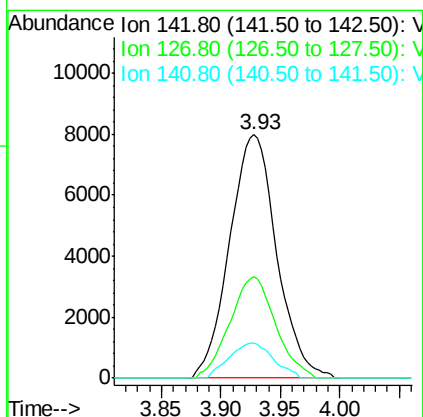
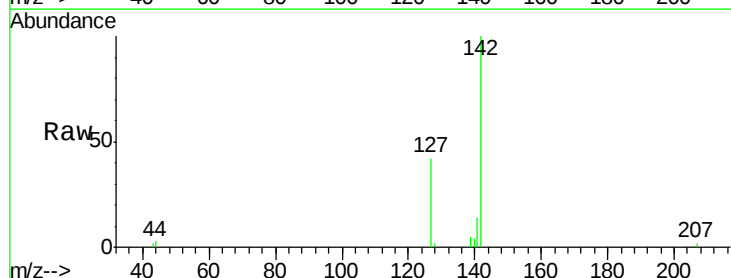
RT: 3.93 min Scan# 670

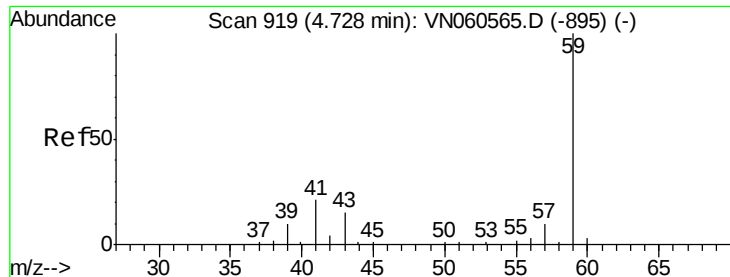
Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	142	Resp:	21848
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.5	50.3
141	13.4	11.0	16.6





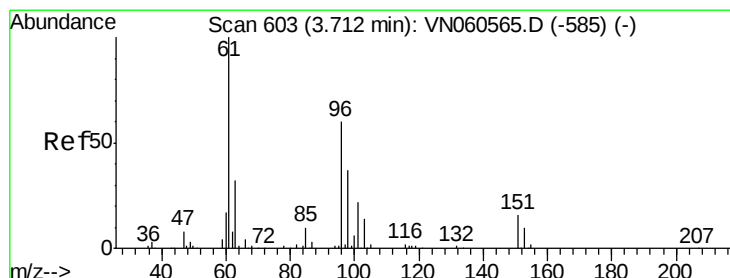
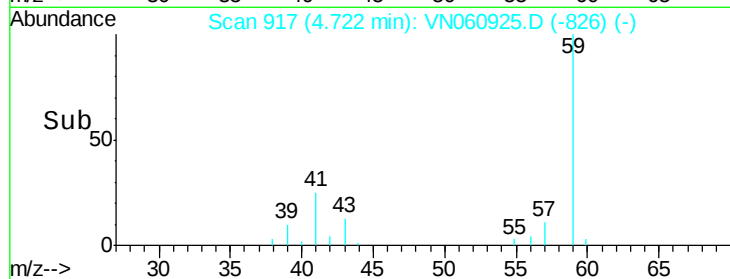
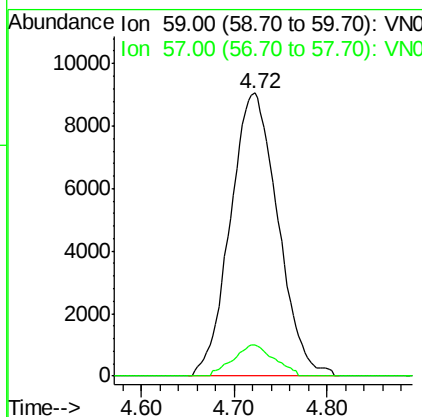
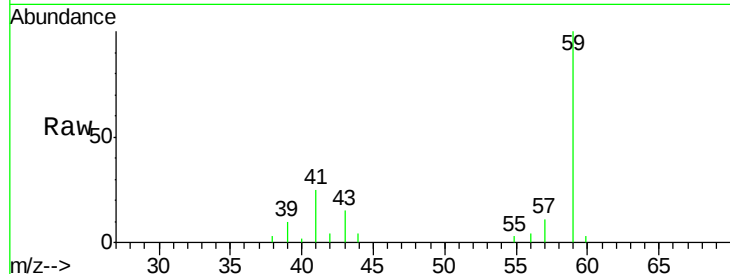
#11
Tert butyl alcohol
Concen: 110.482 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion: 59 Resp: 32229
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4

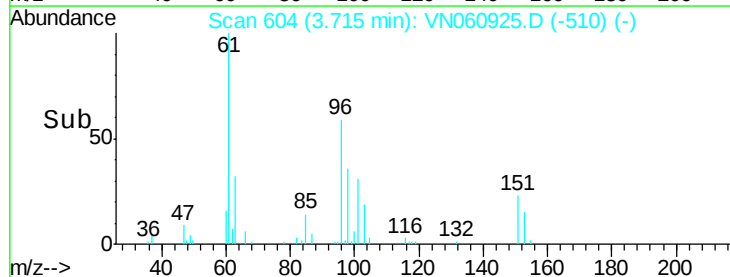
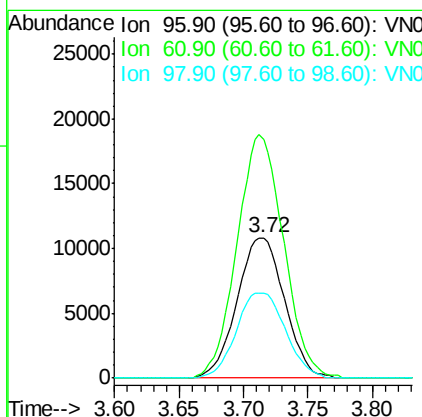
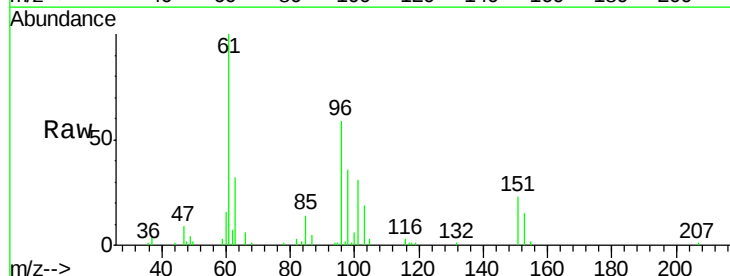
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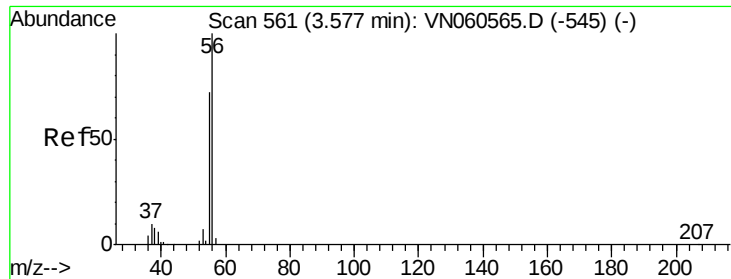
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.755 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 96 Resp: 27776
Ion Ratio Lower Upper
96 100
61 169.9 134.1 201.1
98 60.9 49.9 74.9





#13

Acrolein

Concen: 80.376 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 56 Resp: 25986

Ion Ratio Lower Upper

56 100

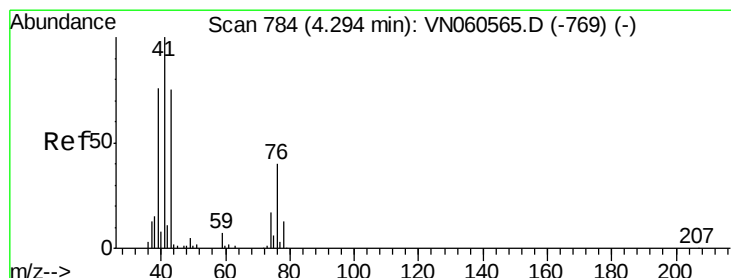
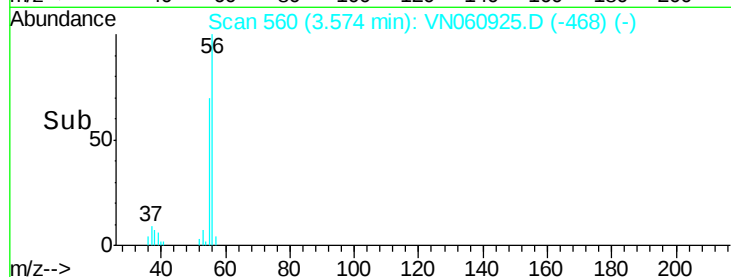
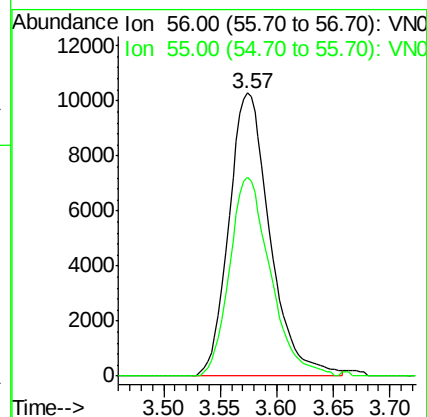
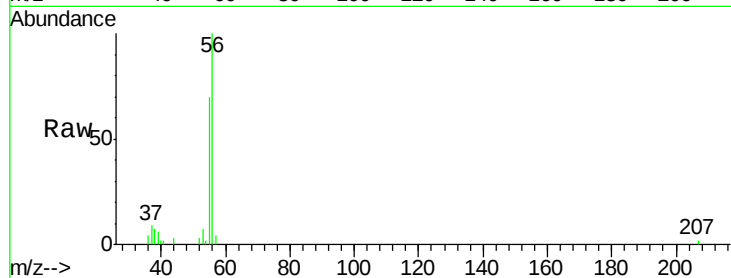
55 69.7 56.7 85.1

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#14

Allyl chloride

Concen: 19.259 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

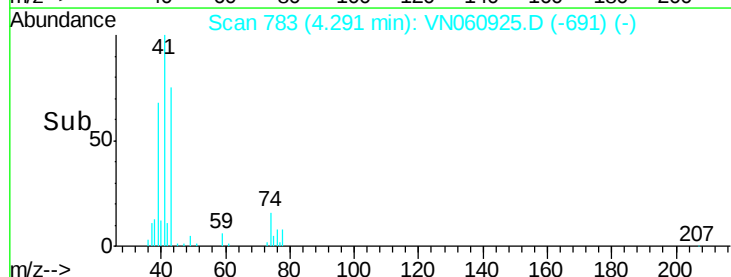
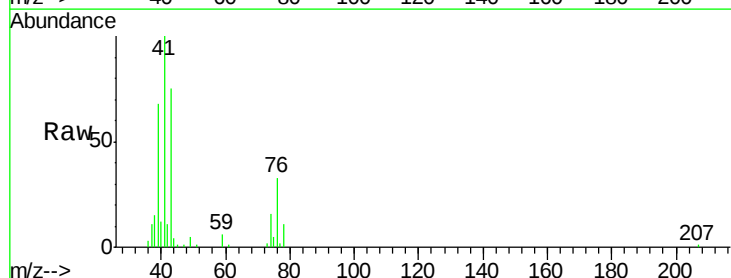
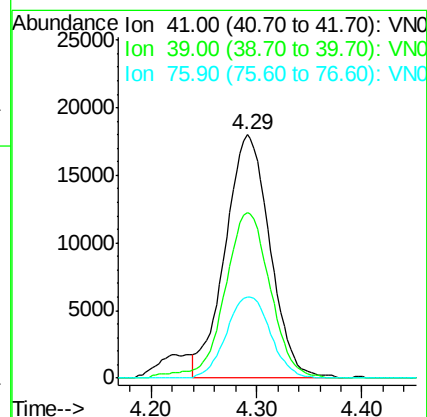
Tgt Ion: 41 Resp: 52990

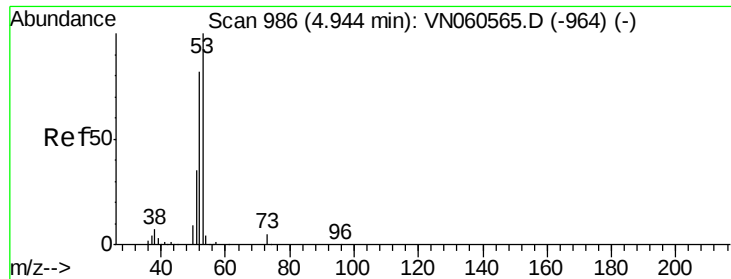
Ion Ratio Lower Upper

41 100

39 69.1 57.8 86.8

76 32.9 28.6 43.0





#15

Acrylonitrile

Concen: 102.469 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

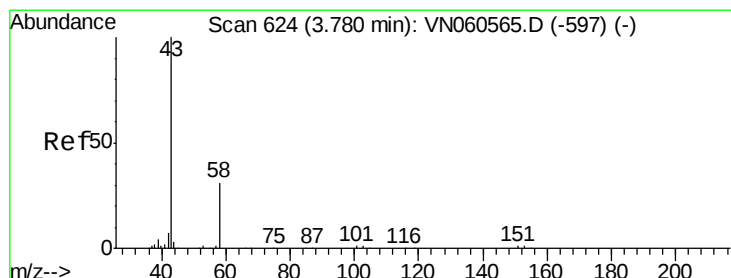
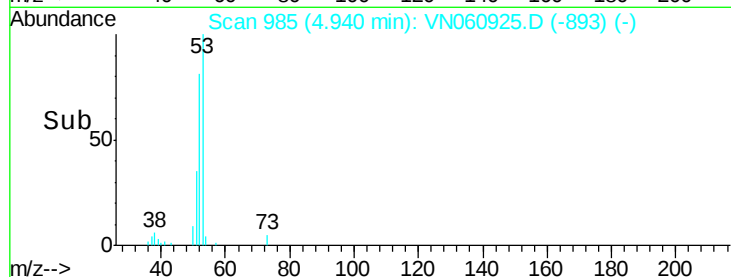
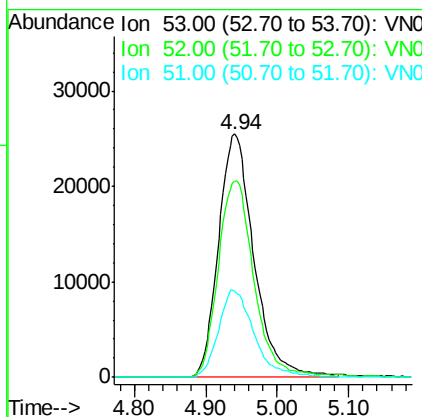
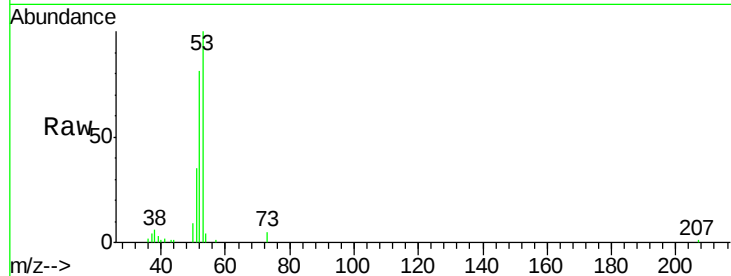
ClientSampleId :

VN0414WBS01

Tot Ion:	53	Resp:	87899
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 117.966 ug/l

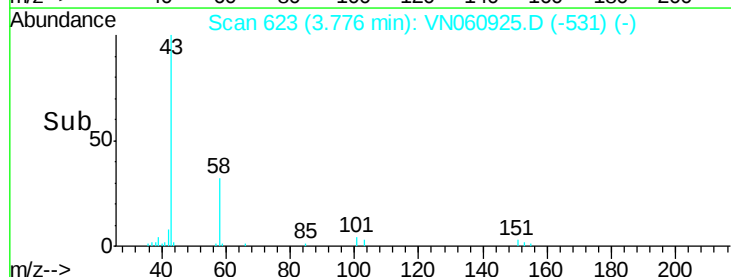
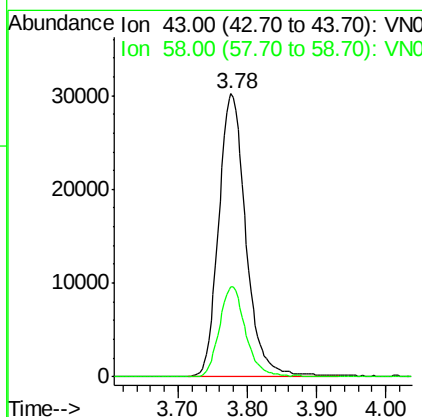
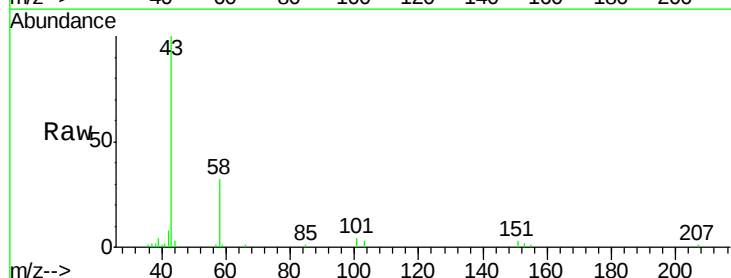
RT: 3.78 min Scan# 623

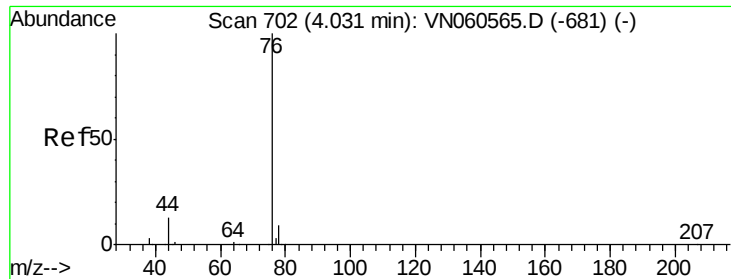
Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	43	Resp:	82883
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7





#17

Carbon Disulfide

Concen: 15.701 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 76 Resp: 74702

Ion Ratio Lower Upper

76 100

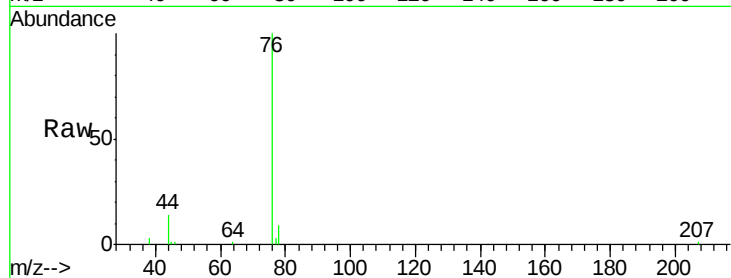
78 9.0 7.2 10.8

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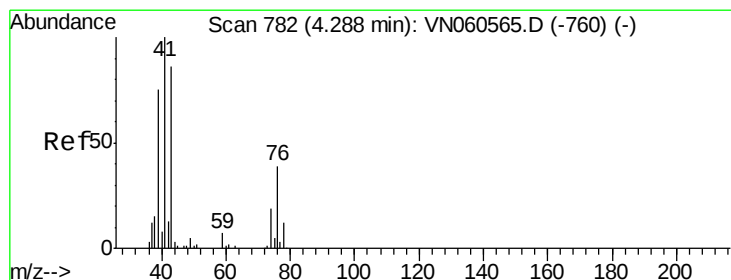
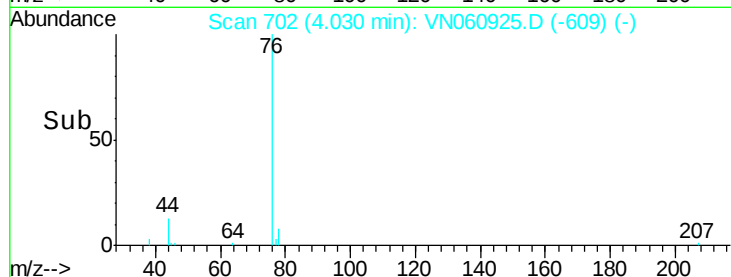
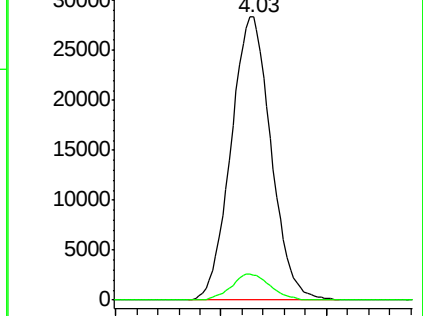
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.647 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060925.D

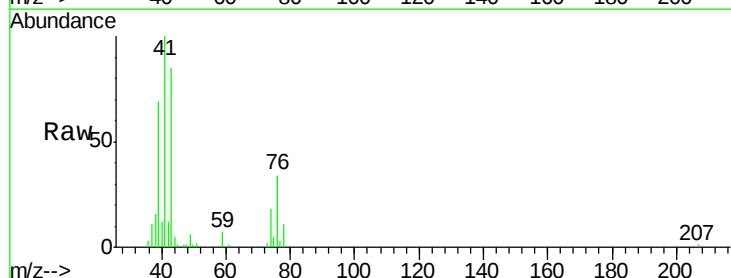
Acq: 14 Apr 2020 11:27

Tgt Ion: 43 Resp: 42811

Ion Ratio Lower Upper

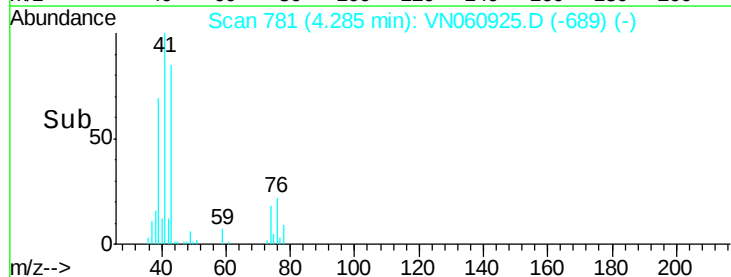
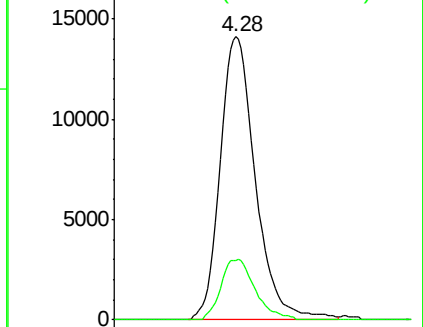
43 100

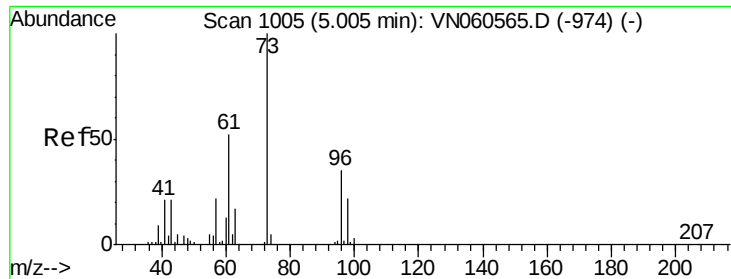
74 20.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





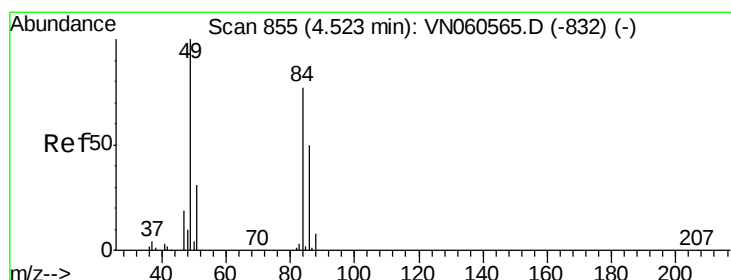
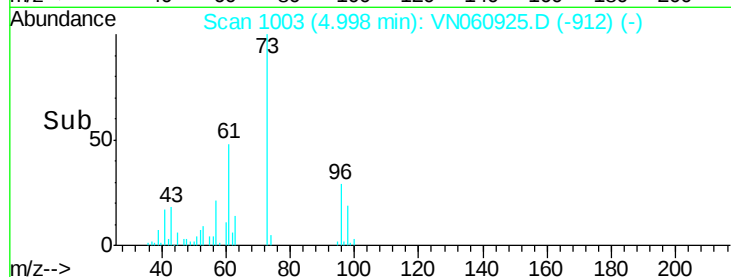
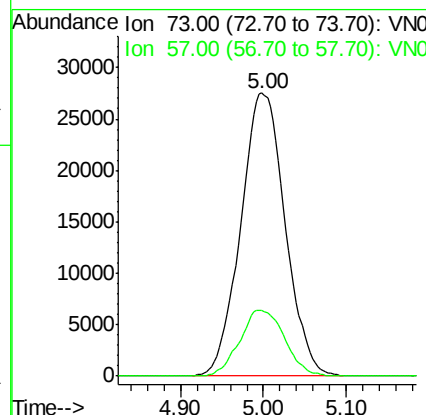
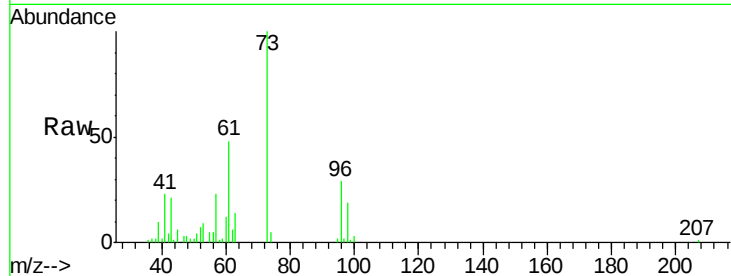
#19
Methvl tert-butvl Ether
Concen: 19.037 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 73 Resp: 102388
Ion Ratio Lower Upper
73 100
57 23.3 17.5 26.3

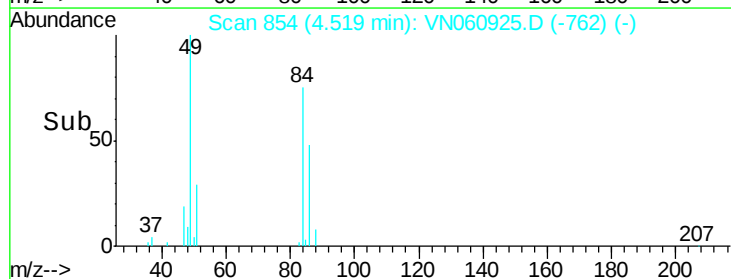
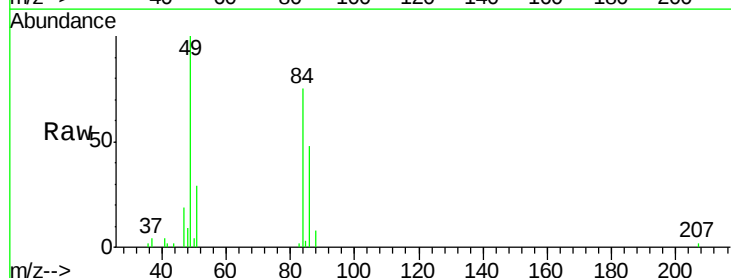
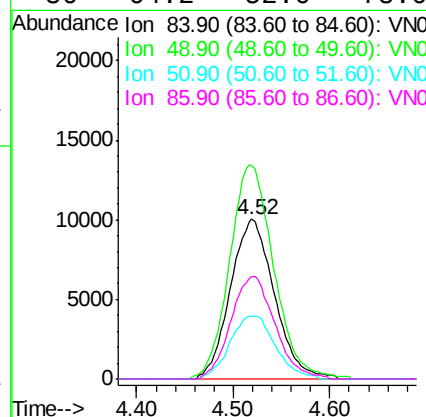
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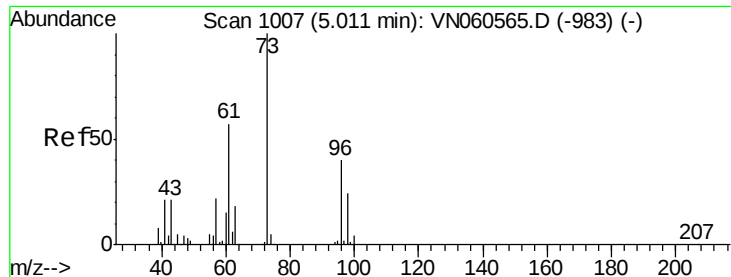
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#20
Methylene Chloride
Concen: 18.372 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 84 Resp: 31754
Ion Ratio Lower Upper
84 100
49 132.2 103.3 154.9
51 38.9 31.6 47.4
86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.491 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

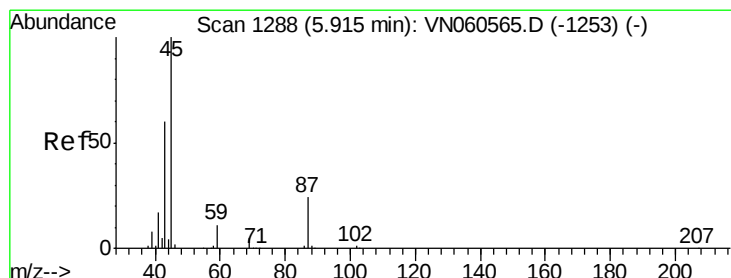
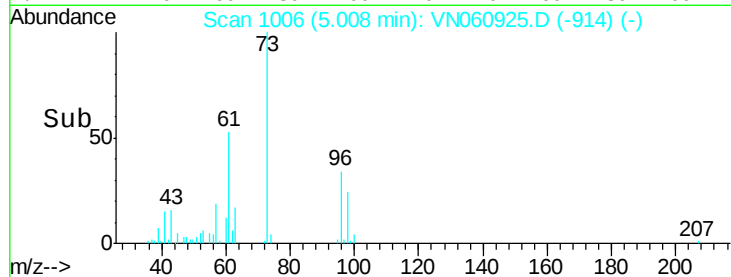
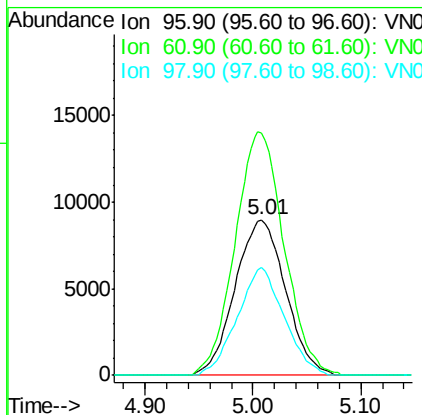
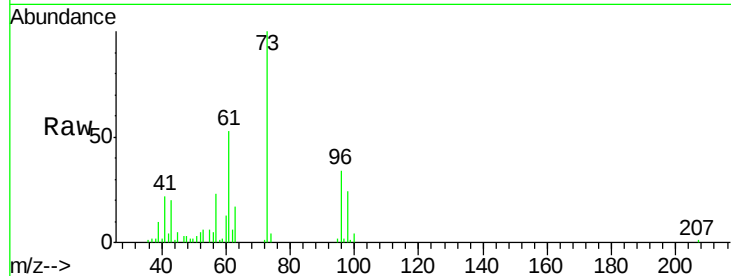
ClientSampleId :

VN0414WBS01

Tot Ion:	96	Resp:	29163
Ion	Ratio	Lower	Upper
96	100		
61	155.5	114.4	171.6
98	69.2	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.375 ug/l

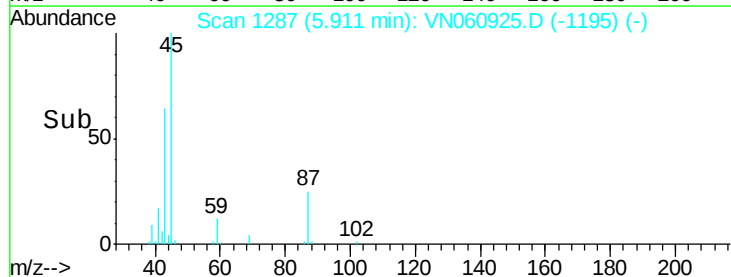
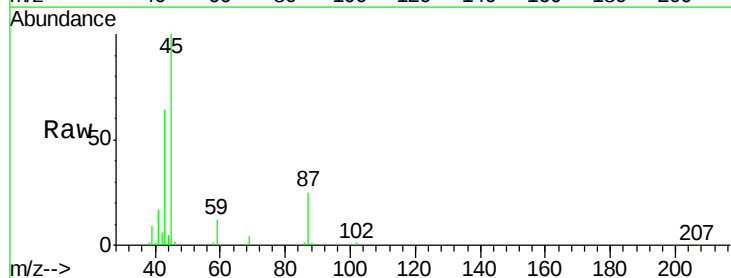
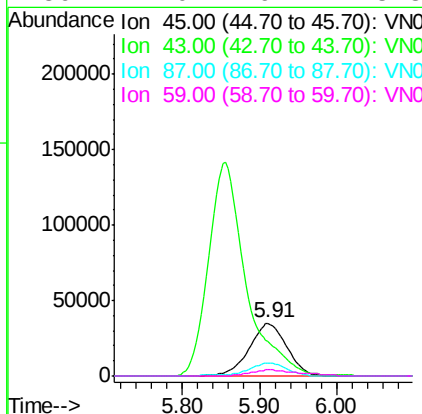
RT: 5.91 min Scan# 1287

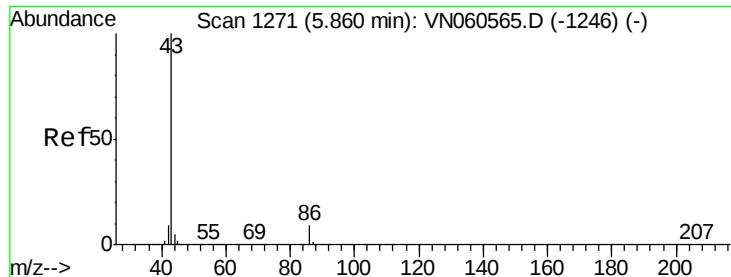
Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	45	Resp:	118435
Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	25.1	20.1	30.1
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 101.167 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 43 Resp: 479816

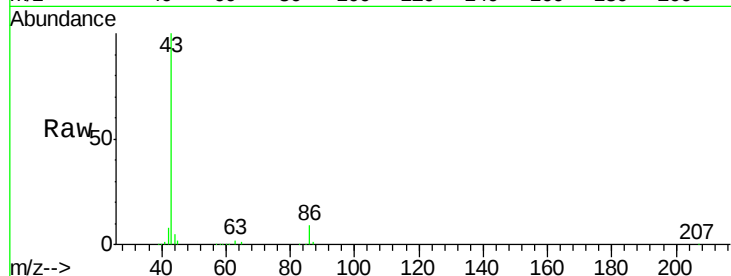
Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4

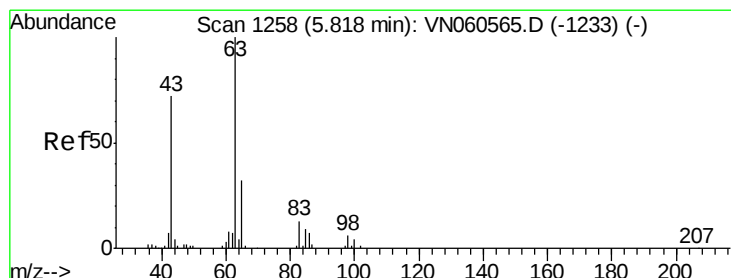
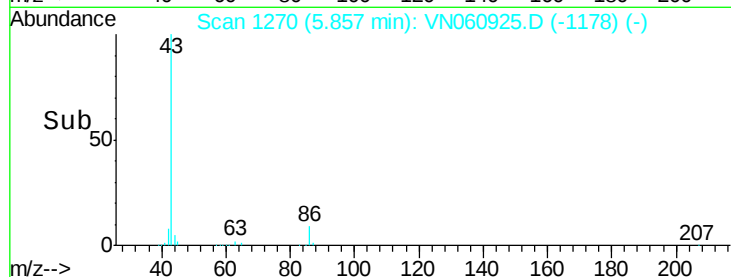
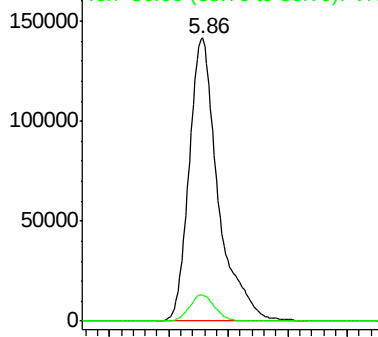
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.490 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

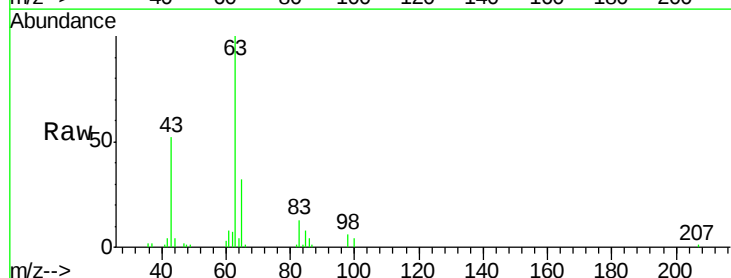
Tgt Ion: 63 Resp: 61760

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

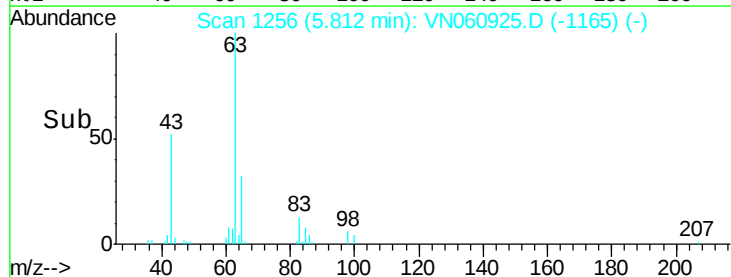
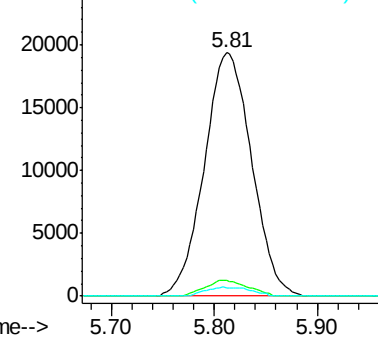
100 3.5 1.8 5.5

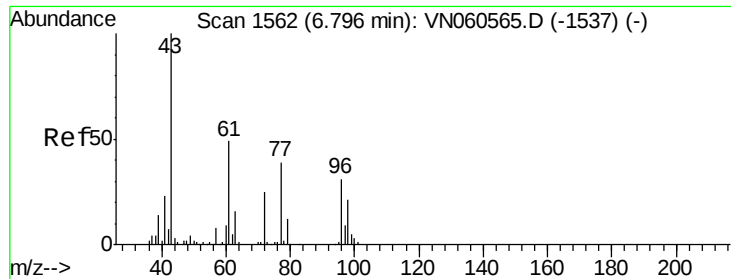


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





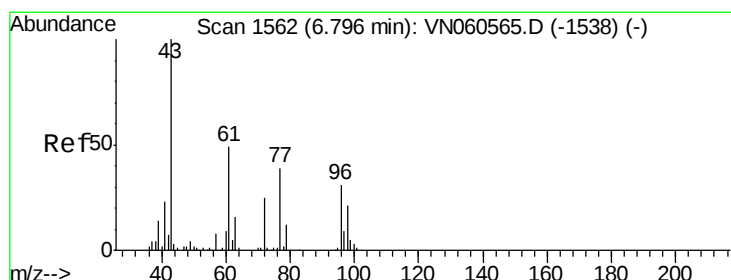
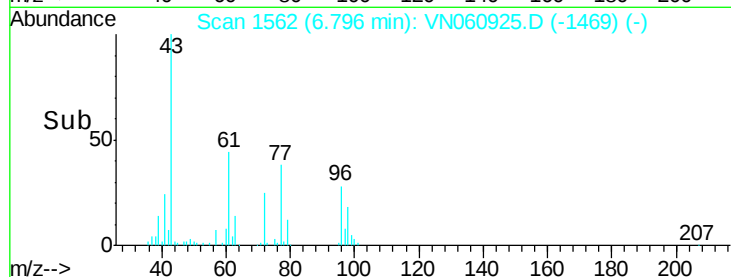
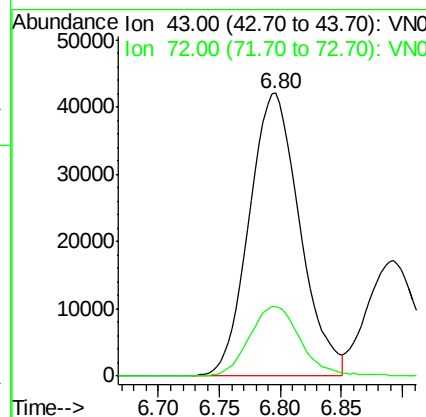
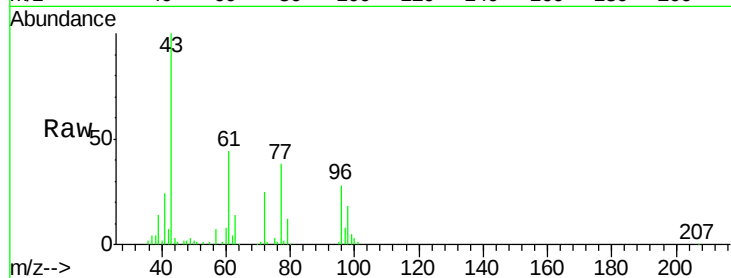
#25
2-Butanone
Concen: 106.861 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 43 Resp: 121494
Ion Ratio Lower Upper
43 100
72 24.6 20.4 30.6

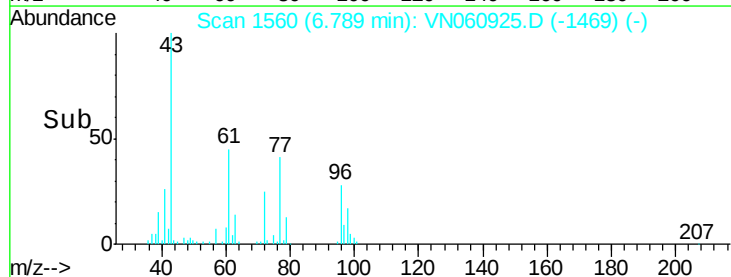
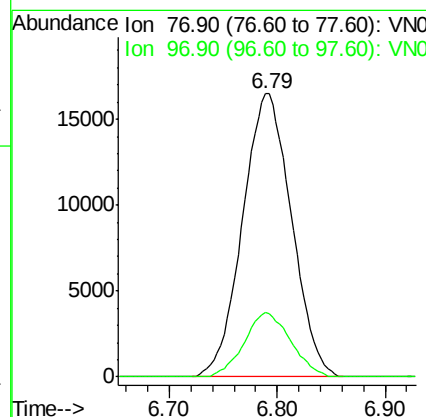
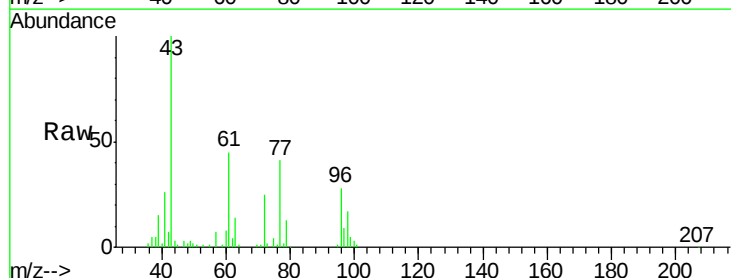
Manual Integrations
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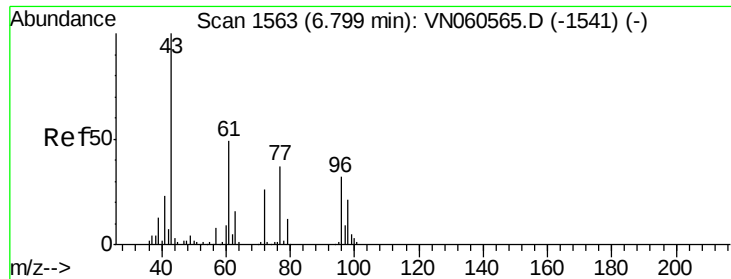
MMDadoda
4/15/2020 1:49:54 PM



#26
2,2-Dichloropropane
Concen: 20.791 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 77 Resp: 51836
Ion Ratio Lower Upper
77 100
97 21.6 11.4 34.1





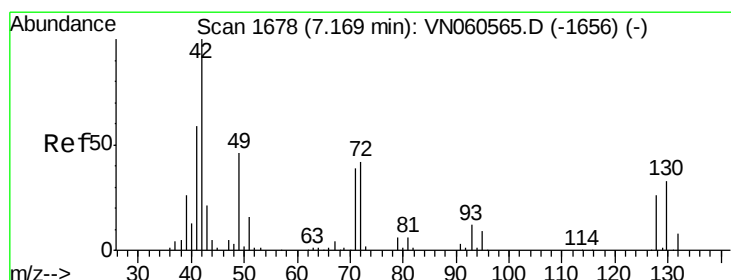
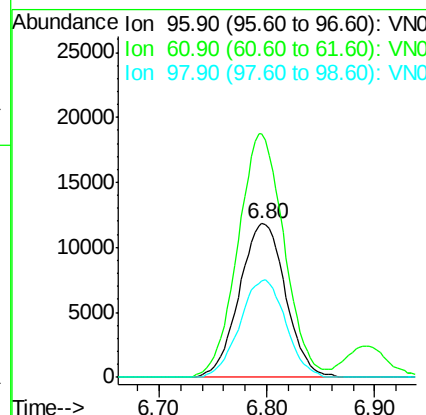
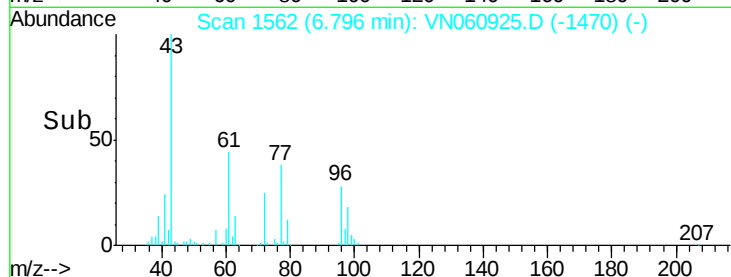
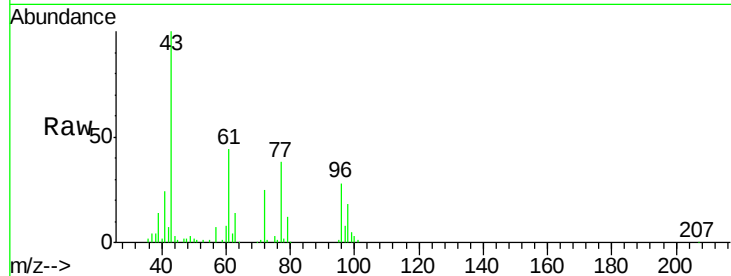
#27
 cis-1,2-Dichloroethene
 Concen: 18.600 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.1	0.0	305.6
98	62.8	0.0	127.6

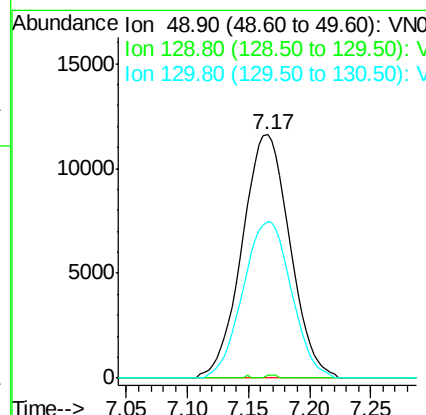
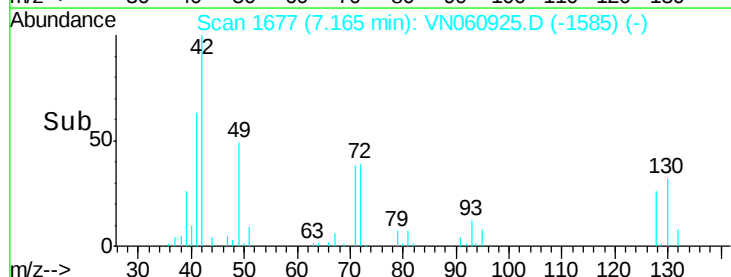
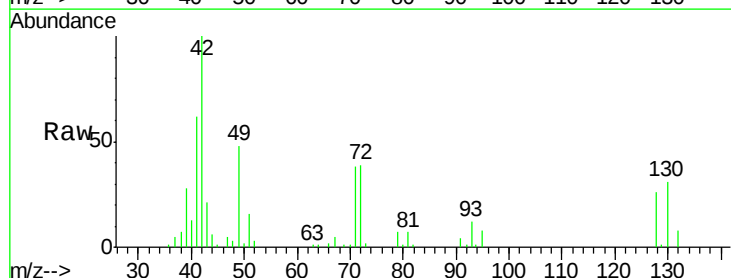
Manual Integrations
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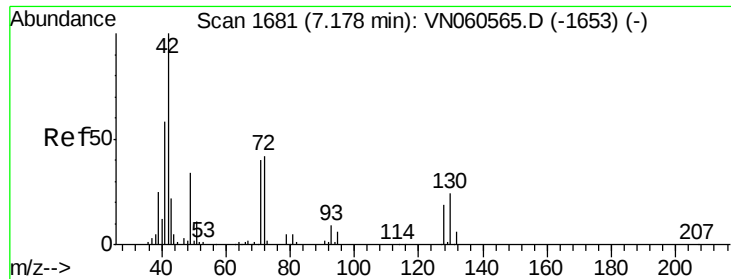
MMDadoda
 4/15/2020 1:49:54 PM



#28
 Bromochloromethane
 Concen: 20.827 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.4
130	64.9	55.0	82.4





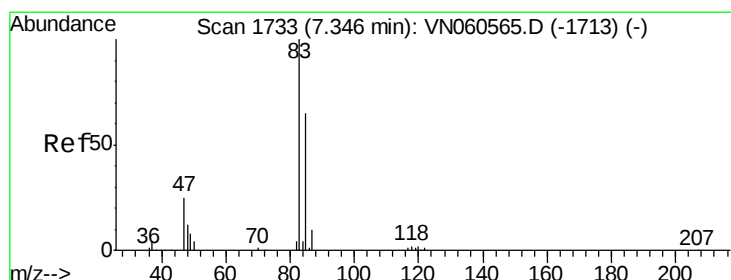
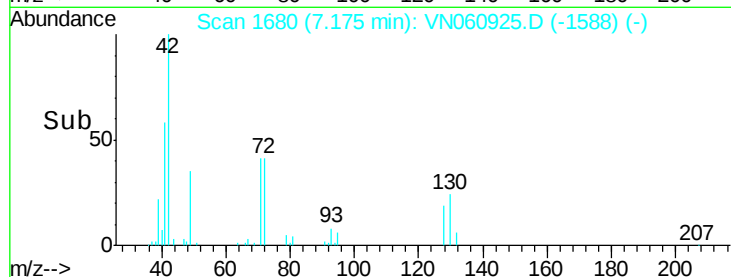
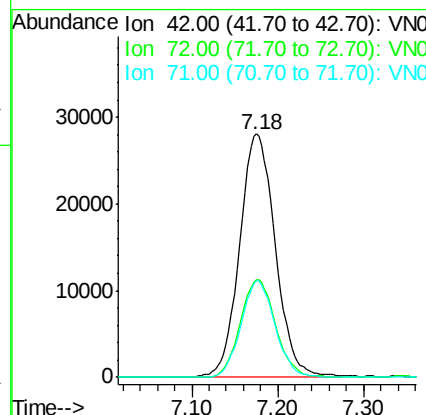
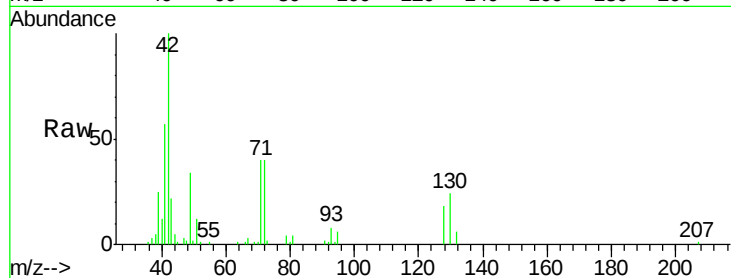
#29
Tetrahydrofuran
Concen: 100.749 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	33.2	49.8
71	37.7	31.1	46.7

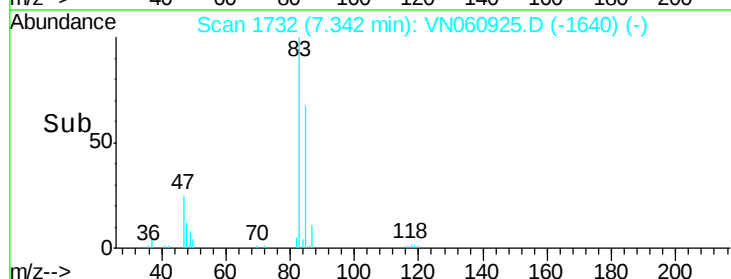
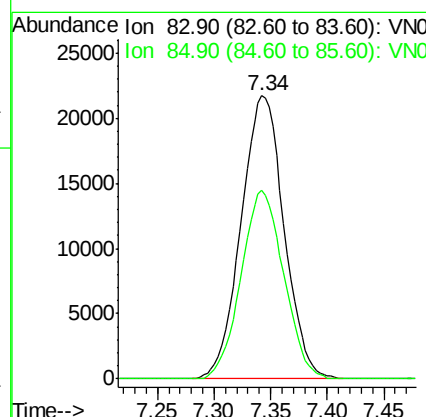
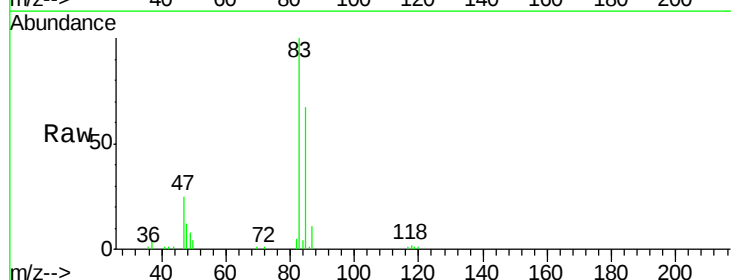
Manual Integrations
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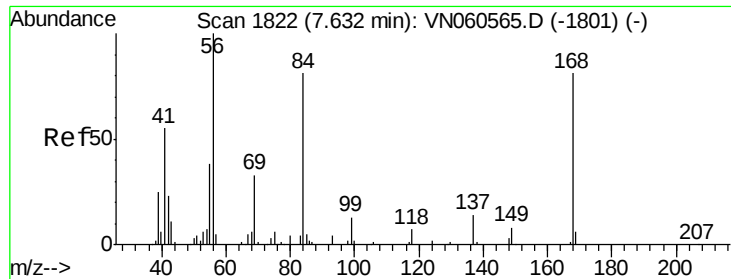
MMDadoda
4/15/2020 1:49:54 PM



#30
Chloroform
Concen: 18.898 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.8





#31

Cyclohexane

Concen: 17.703 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

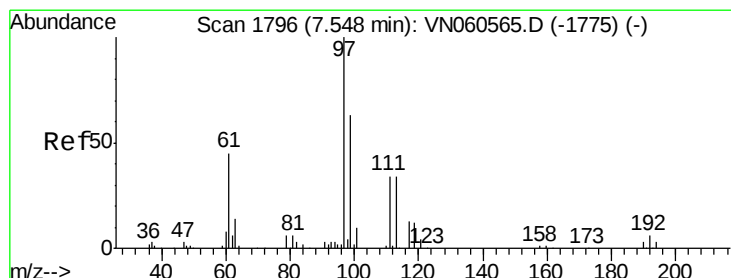
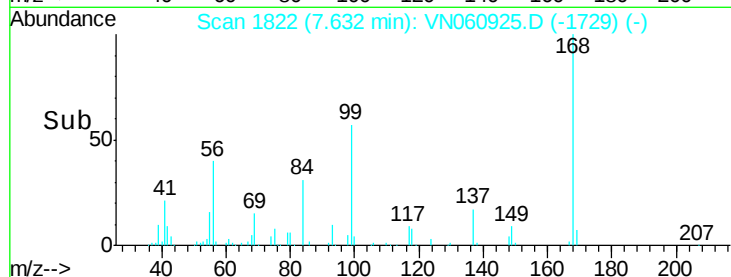
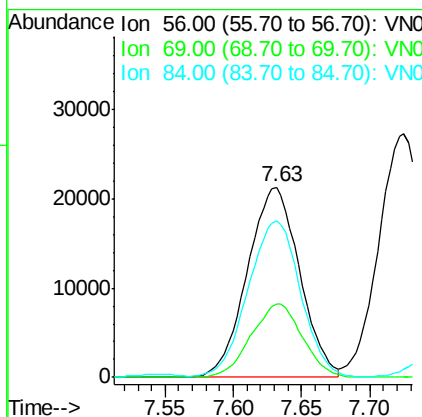
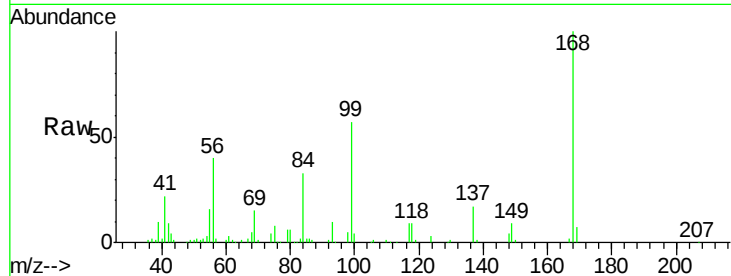
ClientSampleId :

VN0414WBS01

Tot Ion:	56	Resp:	56554
Ion	Ratio	Lower	Upper
56	100		
69	38.7	26.6	40.0
84	82.0	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.549 ug/l

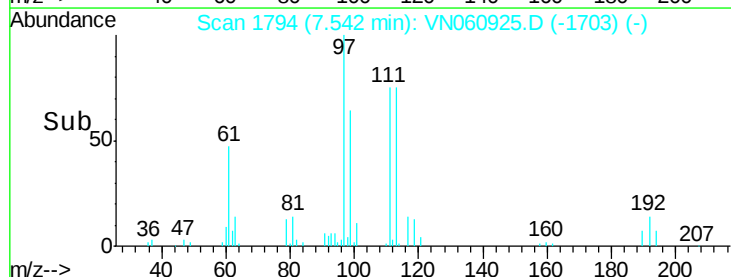
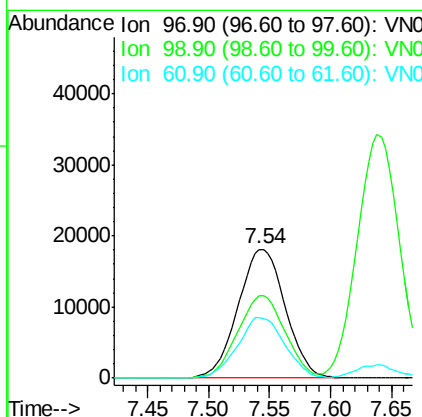
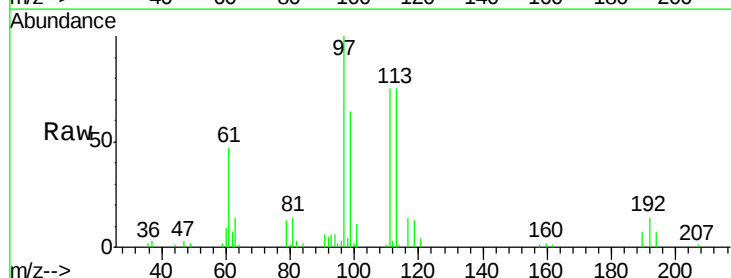
RT: 7.54 min Scan# 1794

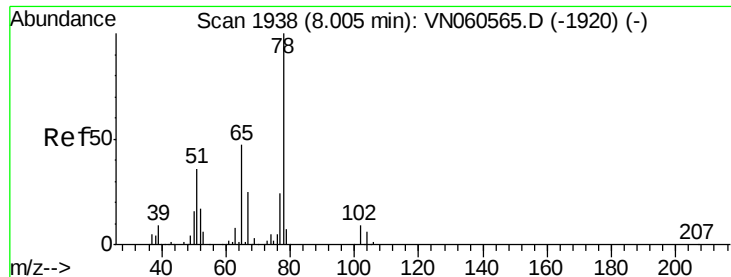
Delta R.T. -0.01 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	97	Resp:	48576
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	46.9	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 48.915 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 65 Resp: 97023

Ion Ratio Lower Upper

65 100

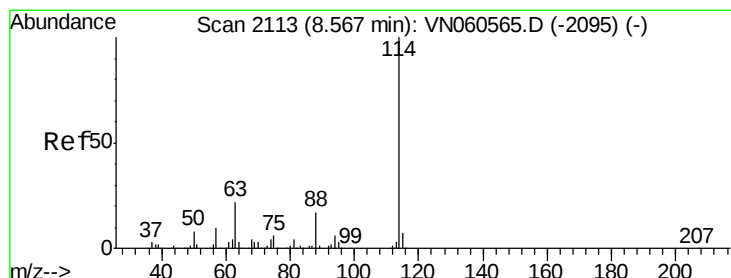
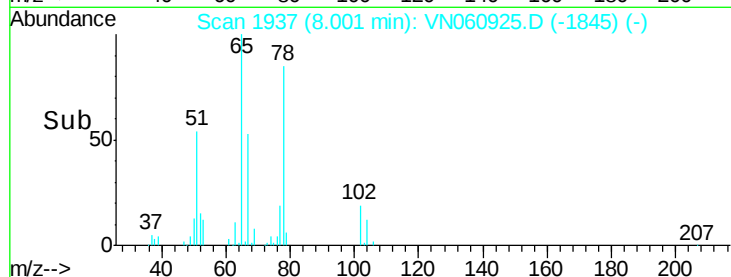
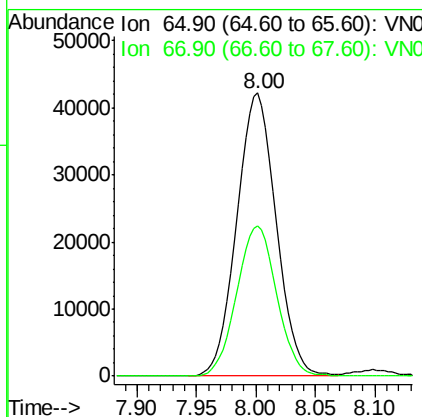
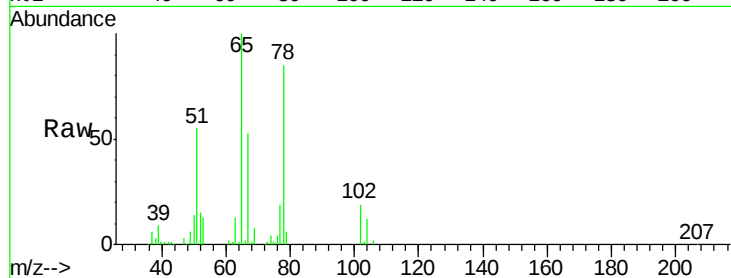
67 53.7 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

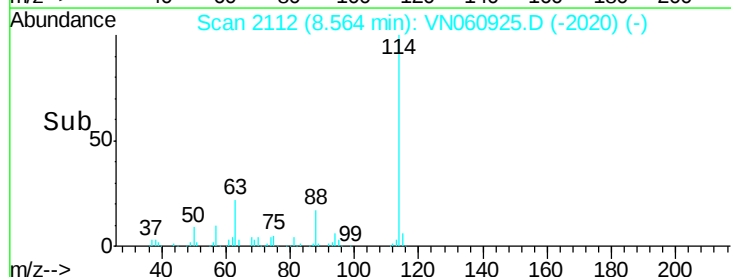
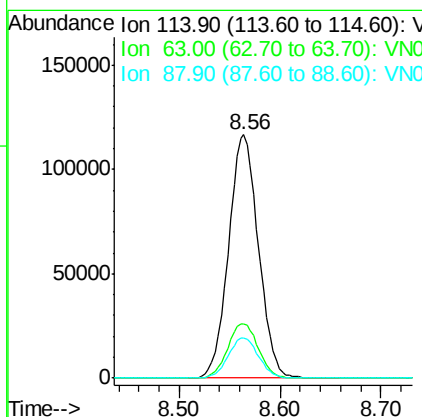
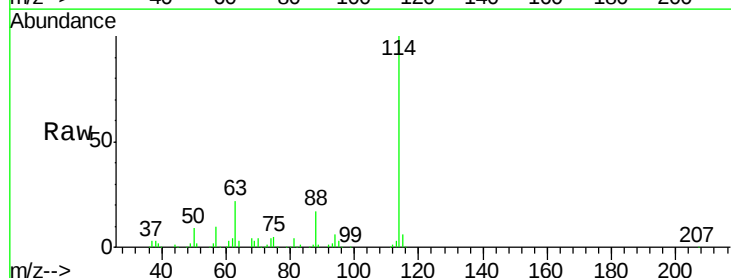
Tgt Ion: 114 Resp: 240120

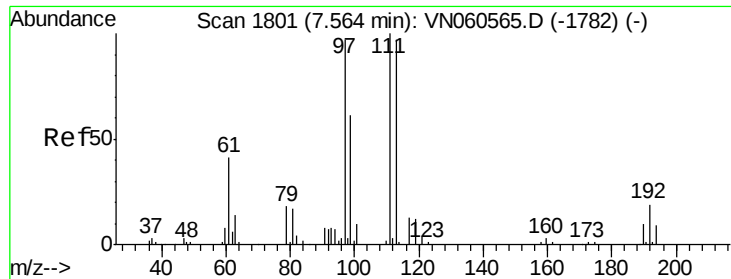
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

88 16.6 0.0 33.0





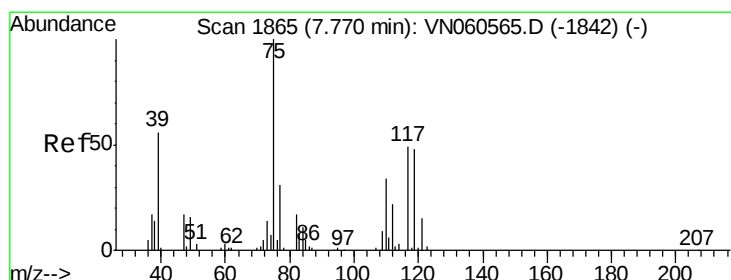
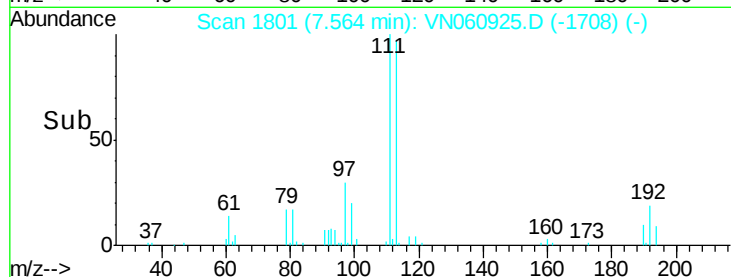
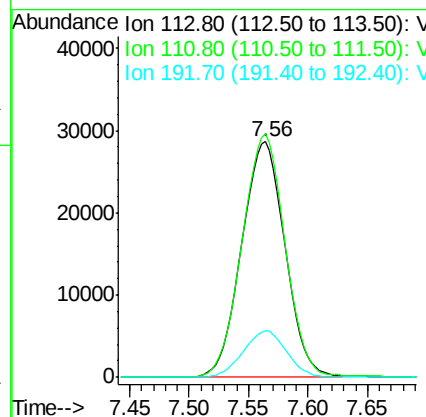
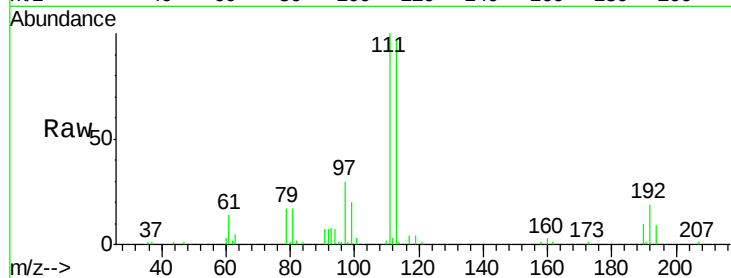
#35
 Dibromofluoromethane
 Concen: 49.856 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.7	15.8	23.8

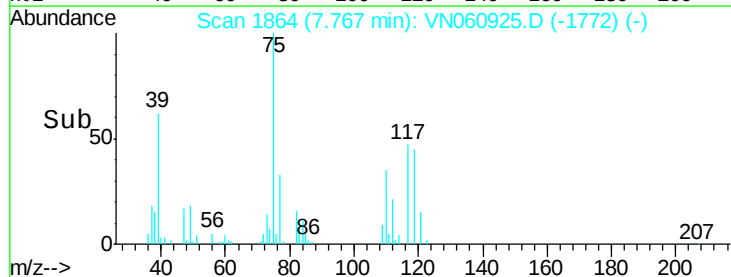
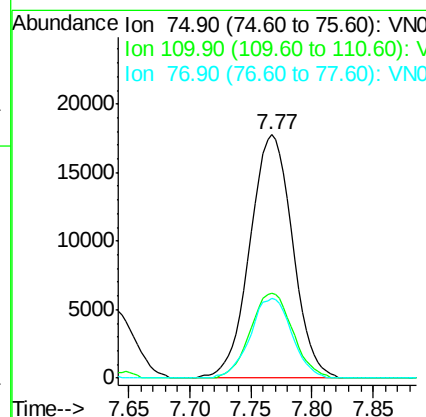
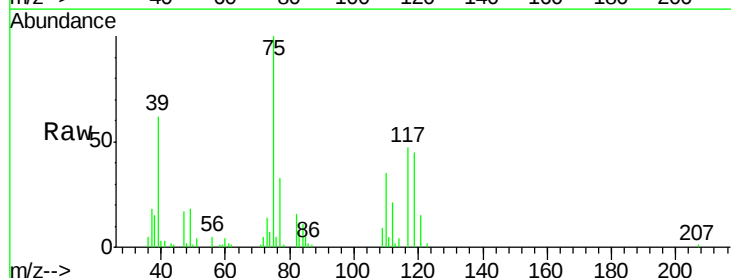
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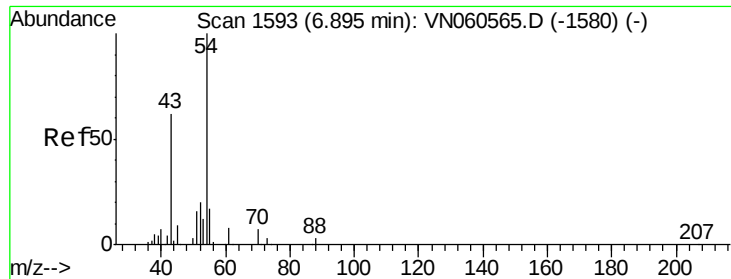
MMDadoda
 4/15/2020 1:49:54 PM



#36
 1,1-Dichloropropene
 Concen: 18.489 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	32.0	24.6	36.8





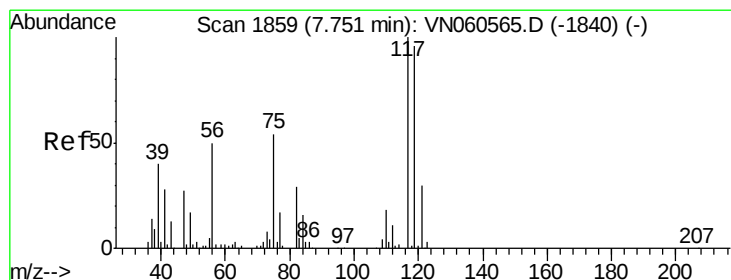
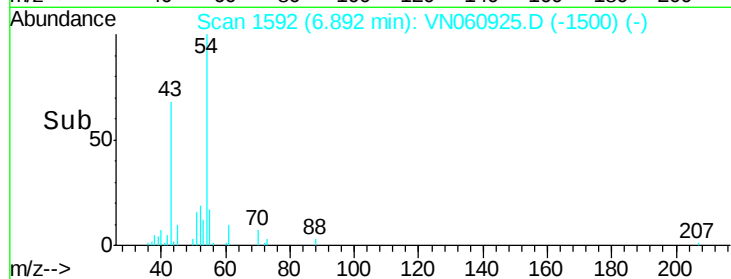
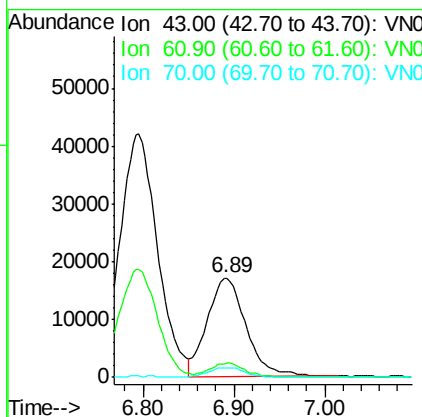
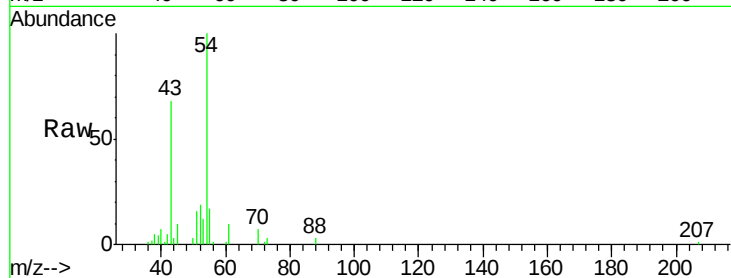
#37
Ethyl Acetate
Concen: 20.158 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.3	7.9	11.9

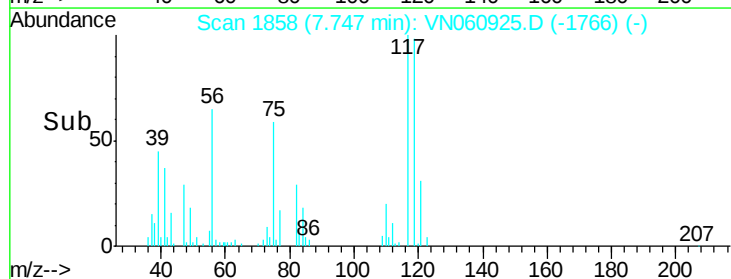
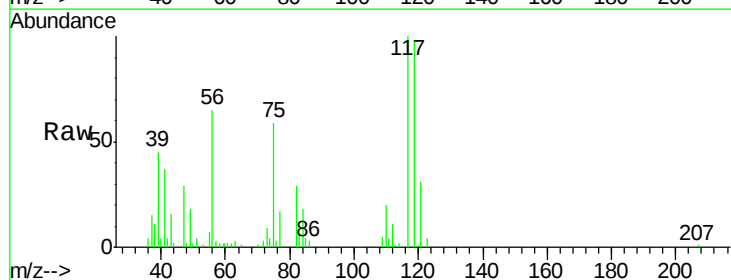
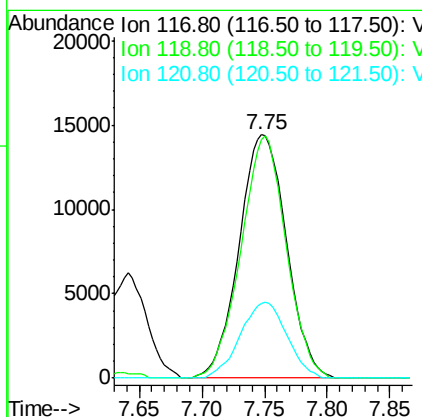
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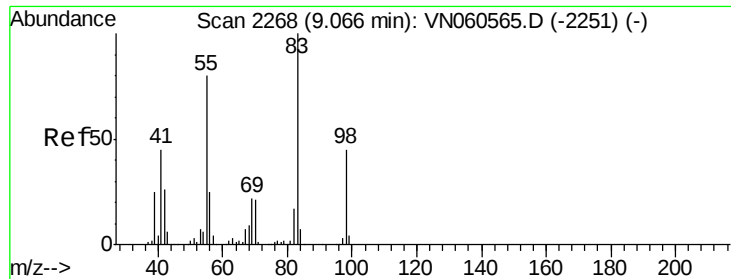
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.157 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.2
121	30.8	23.7	35.5





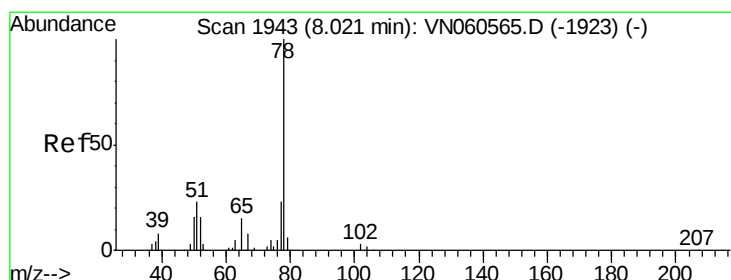
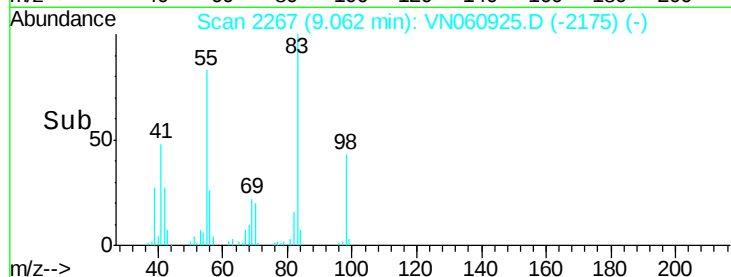
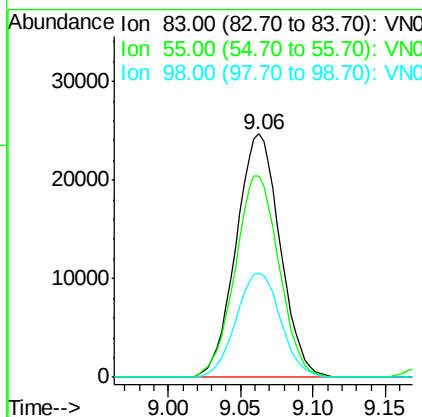
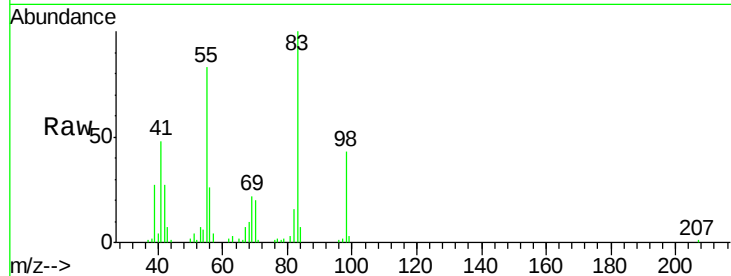
#39
Methvlcvclohexane
Concen: 18.773 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	83.00	Resp	51873
Ion	Ratio	Lower	Upper
83	100		
55	82.7	63.6	95.4
98	42.9	36.0	54.0

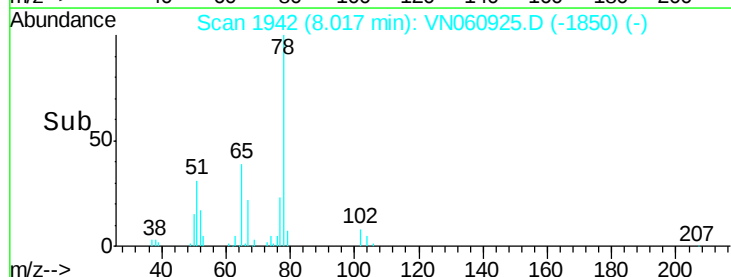
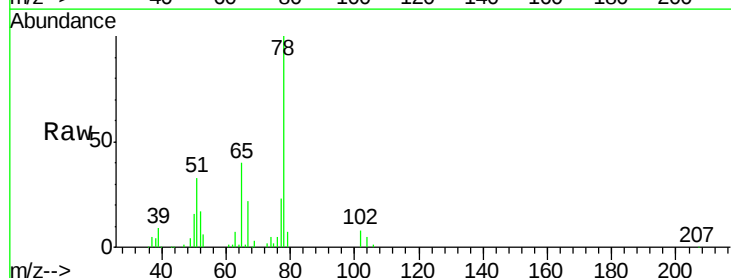
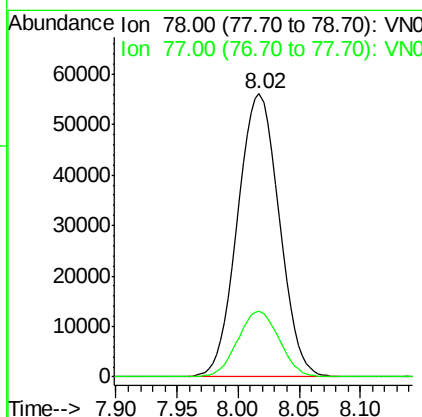
Manual Integrations
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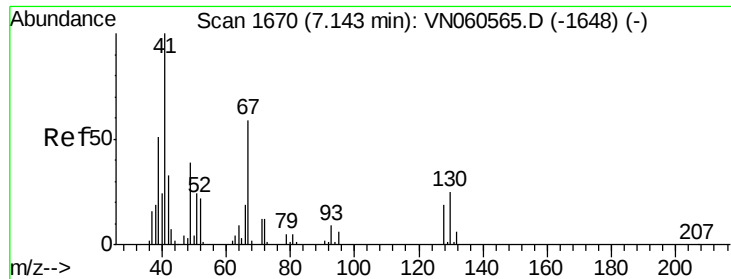
MMDadoda
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#40
Benzene
Concen: 18.916 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	78.00	Resp	132770
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





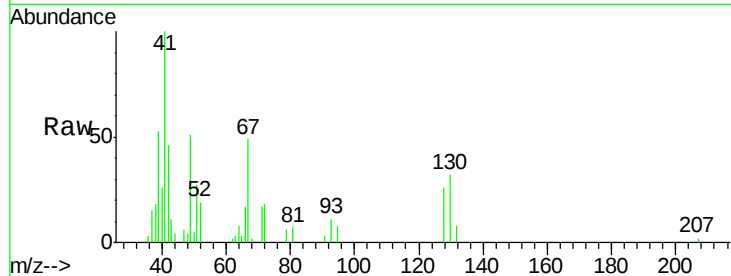
#41
Methacrylonitrile
Concen: 20.031 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

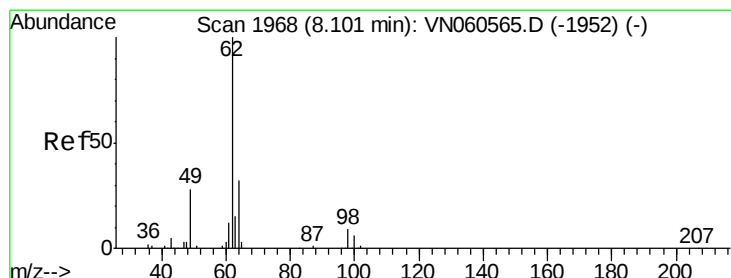
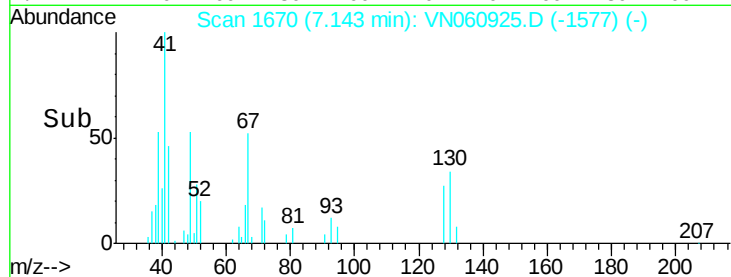
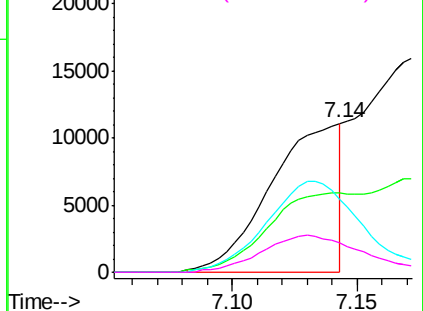
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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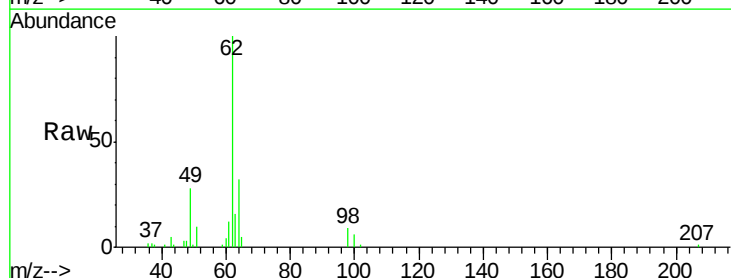


Abundance Ion 41.00 (40.70 to 41.70): VN060925.D (-1577) (-)
Ion 39.00 (38.70 to 39.70): VN060925.D (-1577) (-)
Ion 67.00 (66.70 to 67.70): VN060925.D (-1577) (-)
Ion 52.00 (51.70 to 52.70): VN060925.D (-1577) (-)

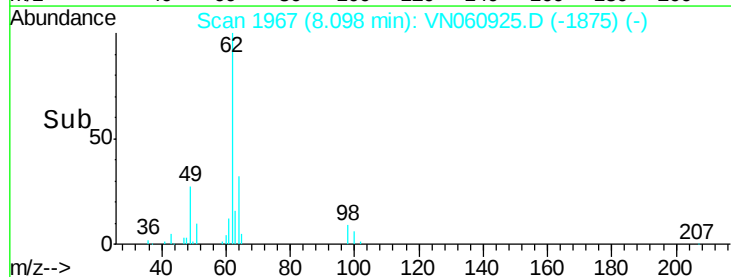
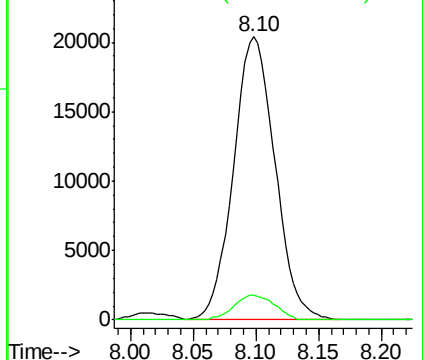


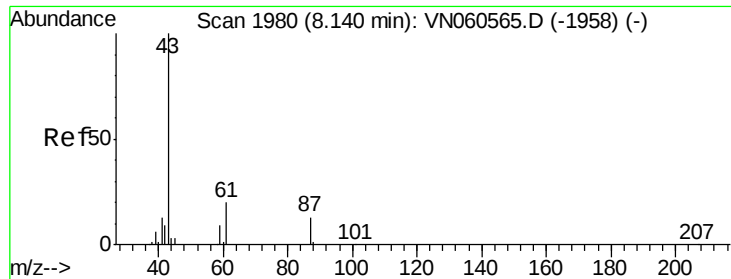
#42
1,2-Dichloroethane
Concen: 19.603 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060925.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060925.D (-1875) (-)





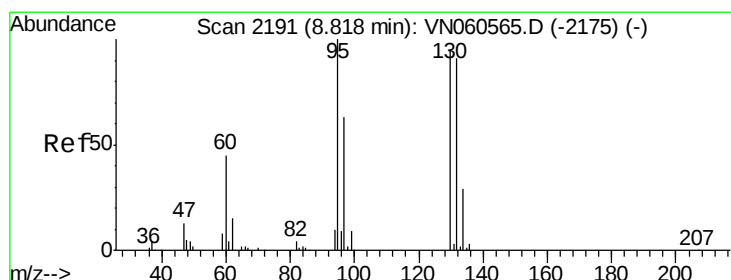
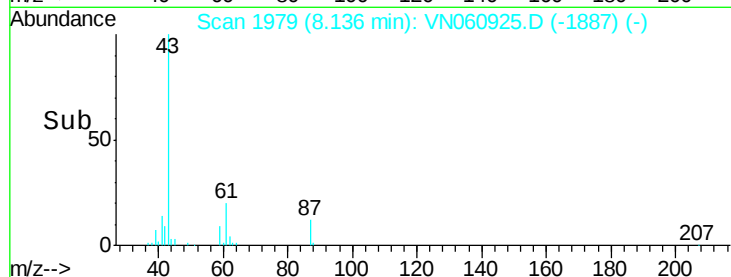
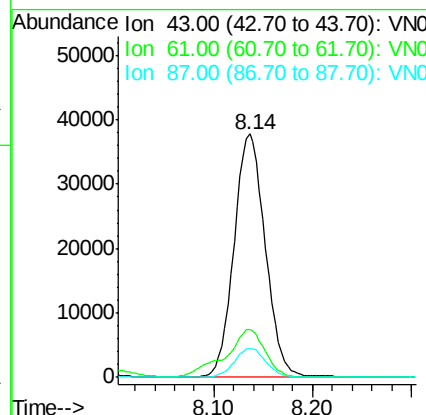
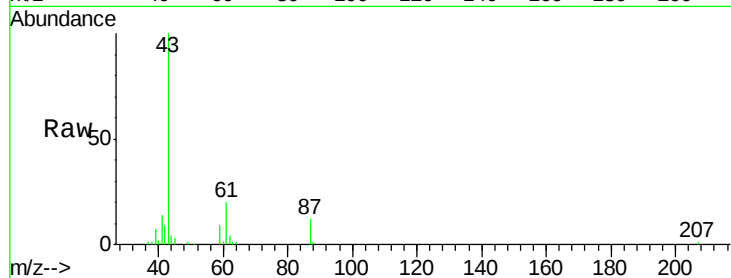
#43
Isopropyl Acetate
Concen: 20.159 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.7	31.1
87	11.8	9.8	14.8

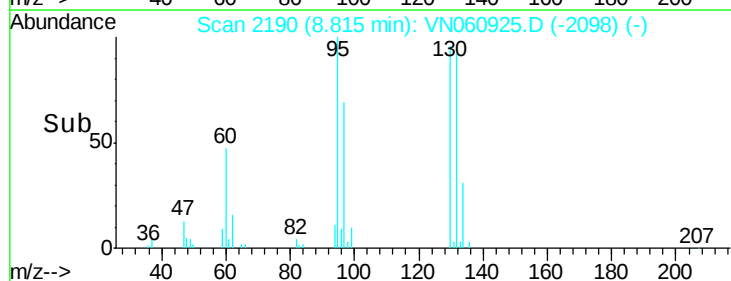
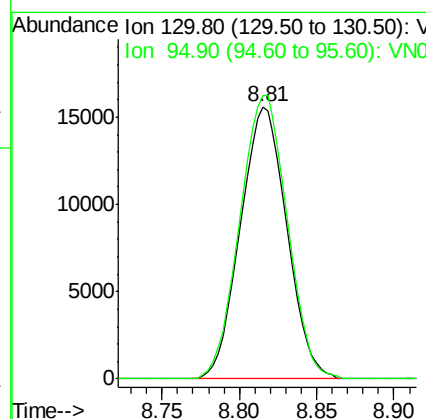
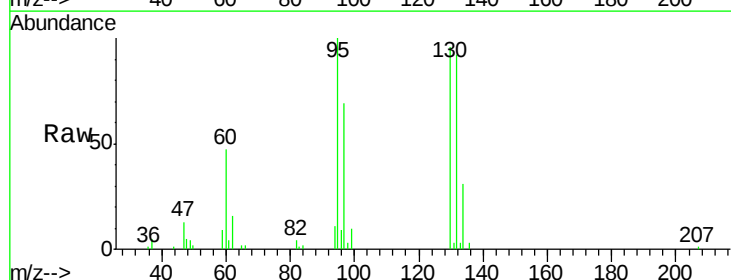
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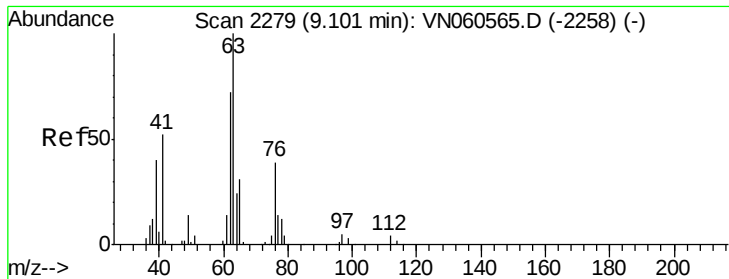
MMDadoda
4/15/2020 1:49:54 PM



#44
Trichloroethene
Concen: 18.364 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 19.789 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 63 Resp: 36651

Ion Ratio Lower Upper

63 100

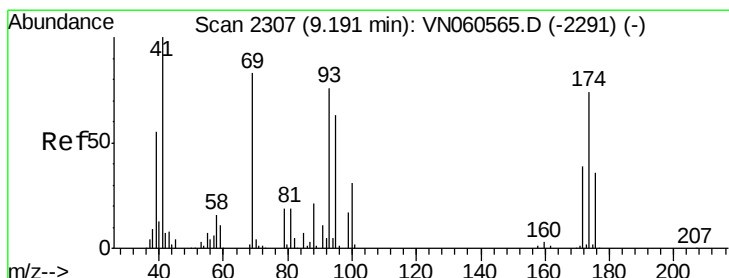
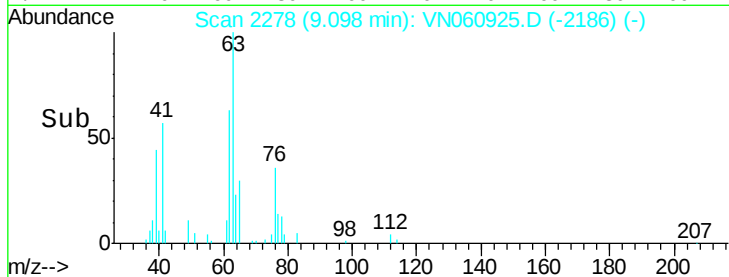
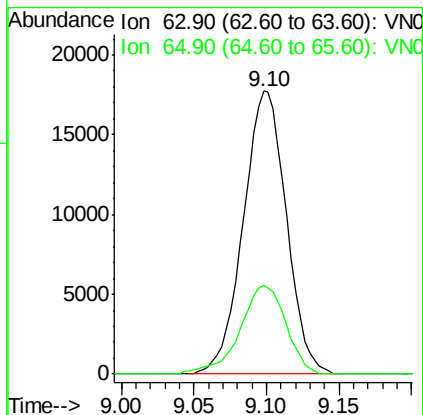
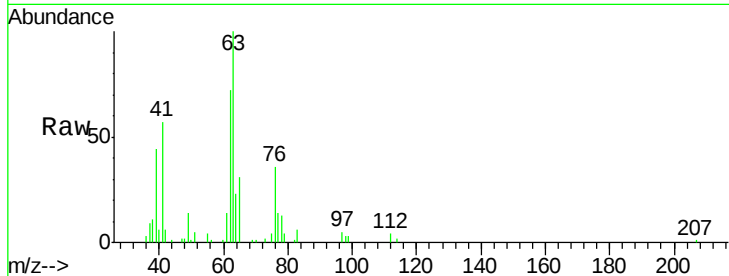
65 31.2 25.4 38.0

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#46

Dibromomethane

Concen: 19.184 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

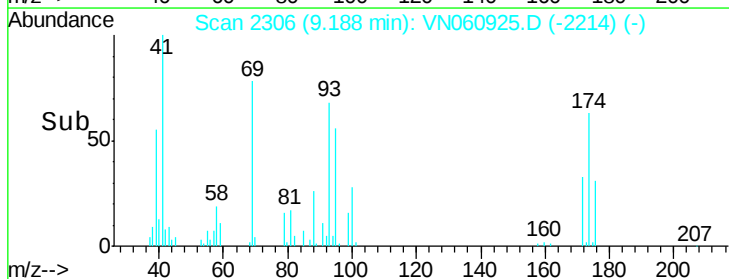
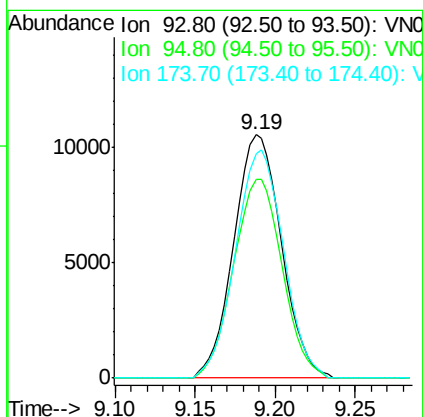
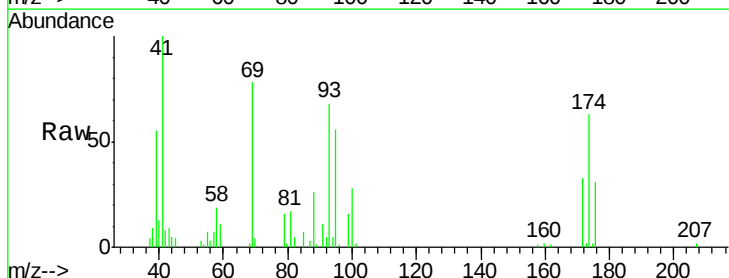
Tgt Ion: 93 Resp: 21480

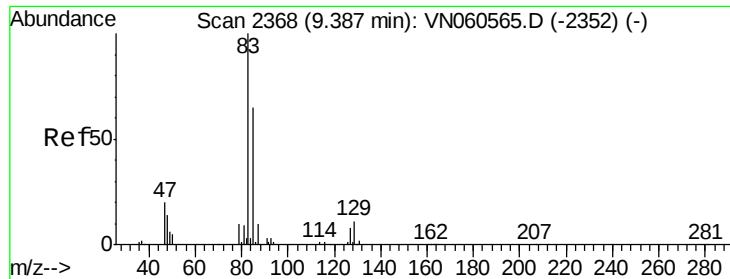
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

174 94.1 77.9 116.9





#47

Bromodichloromethane

Concen: 19.556 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

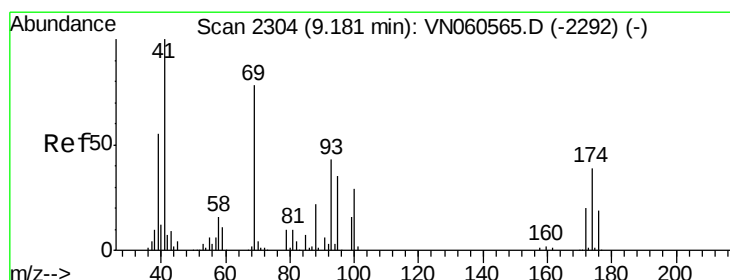
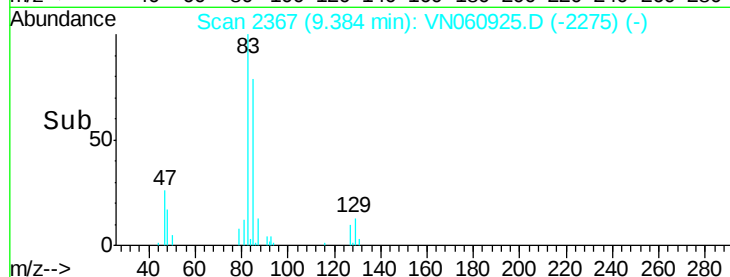
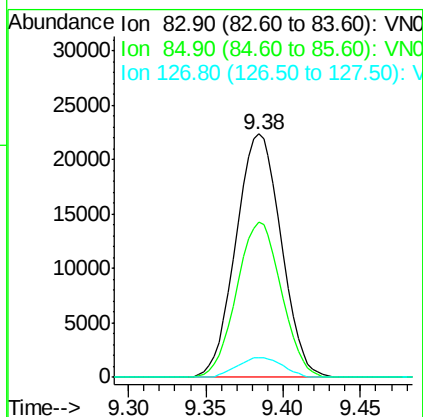
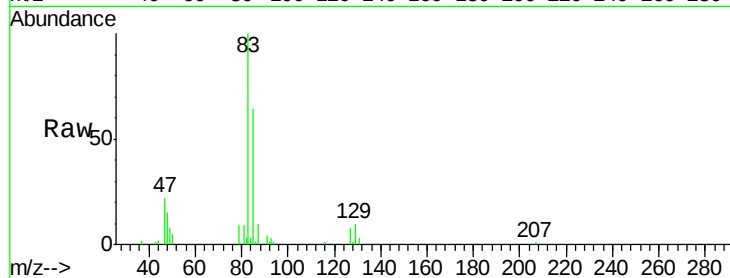
ClientSampleId :

VN0414WBS01

Tot Ion:	83	Resp:	45502
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 19.423 ug/l

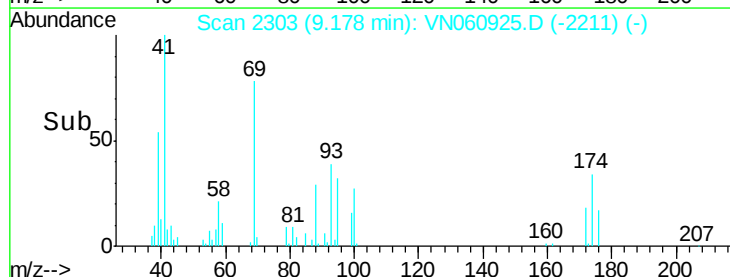
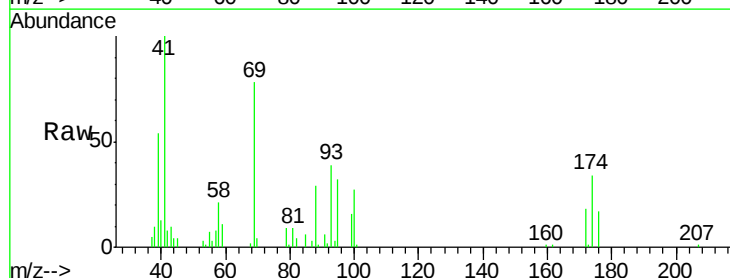
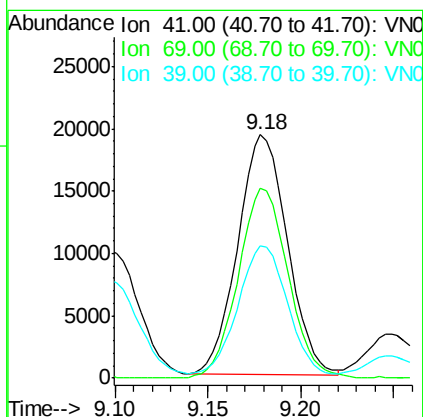
RT: 9.18 min Scan# 2303

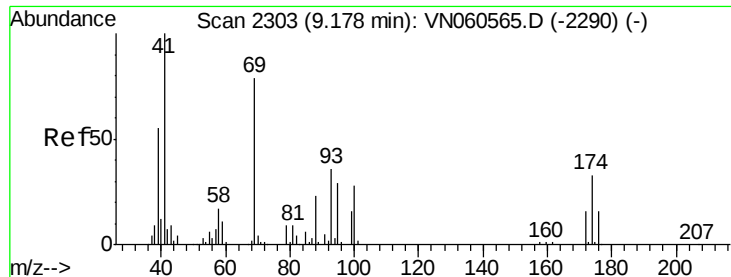
Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	41	Resp:	35830
Ion	Ratio	Lower	Upper
41	100		
69	79.4	65.4	98.0
39	56.3	44.0	66.0





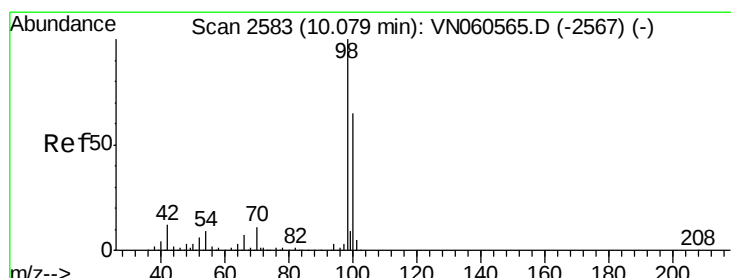
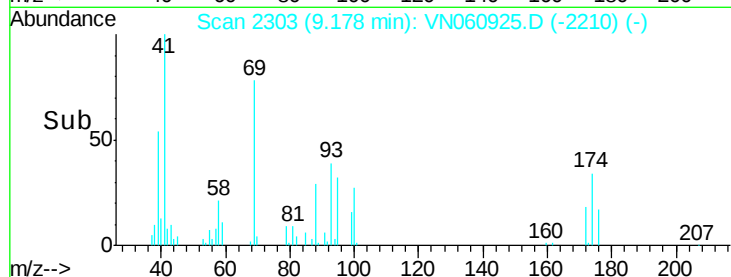
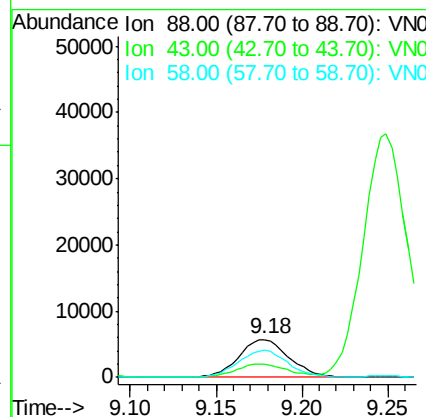
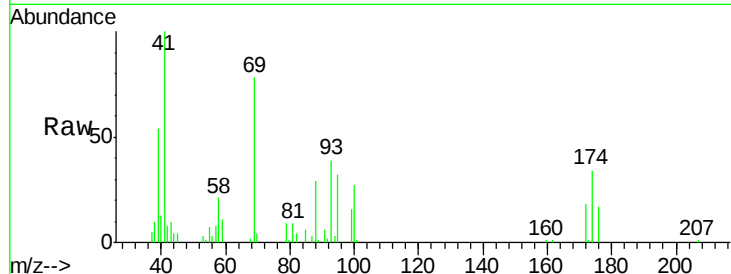
#49
1,4-Dioxane
Concen: 522.697 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.8	46.2
58	70.2	59.8	89.8

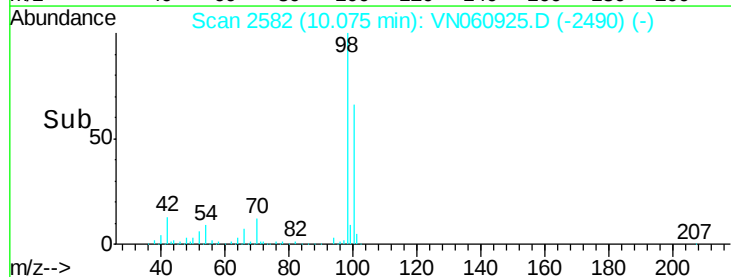
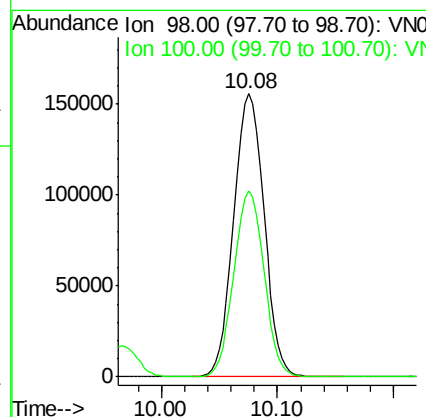
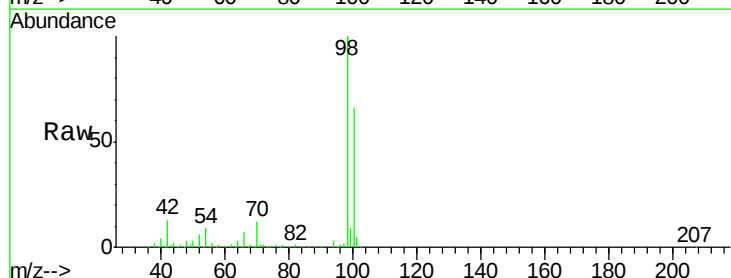
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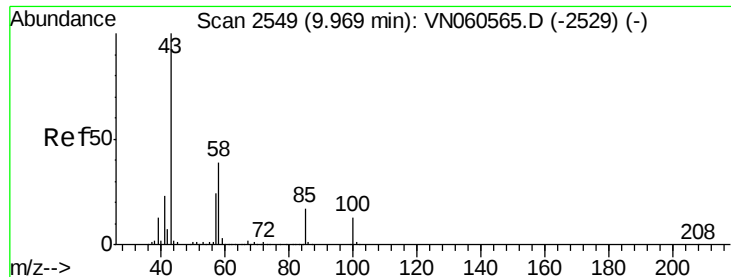
MMDadoda
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#50
Toluene-d8
Concen: 47.827 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 104.244 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion: 43 Resp: 245778

Ion Ratio Lower Upper

43 100

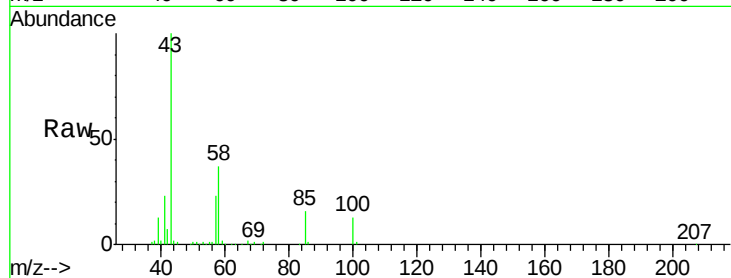
58 37.2 30.8 46.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060925.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060925.D (-2456) (-)

9.97

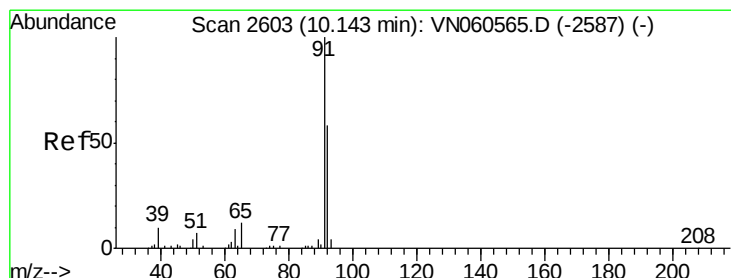
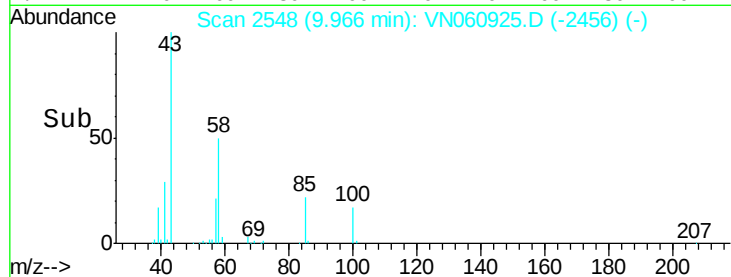
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.669 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060925.D

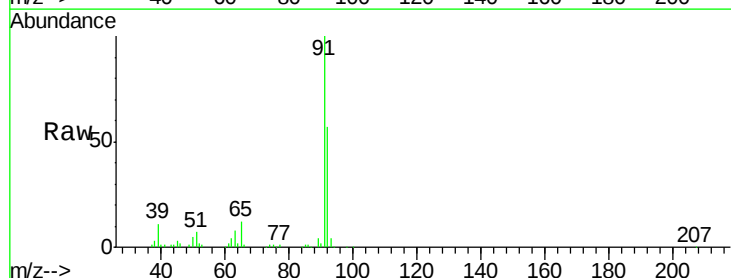
Acq: 14 Apr 2020 11:27

Tgt Ion: 92 Resp: 79138

Ion Ratio Lower Upper

92 100

91 175.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060925.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060925.D (-2510) (-)

10.14

80000

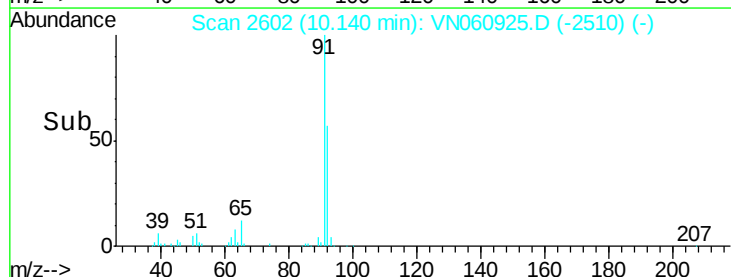
60000

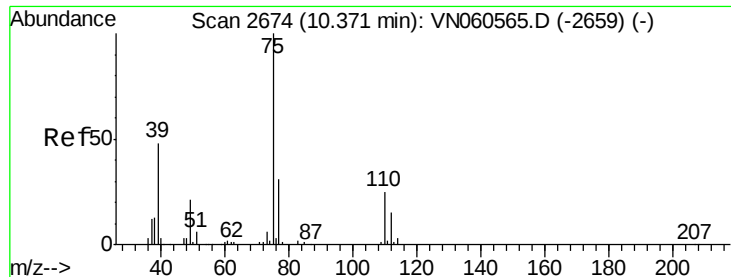
40000

20000

0

Time-->





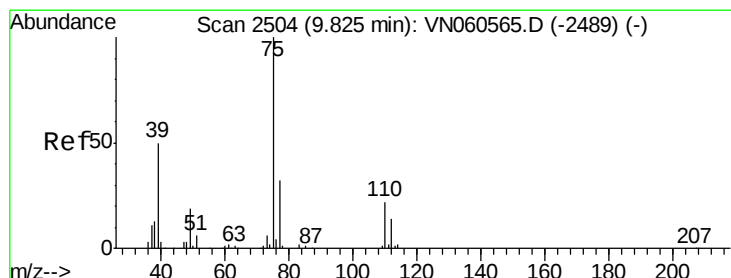
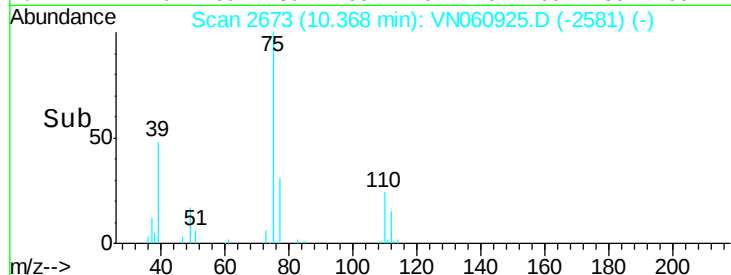
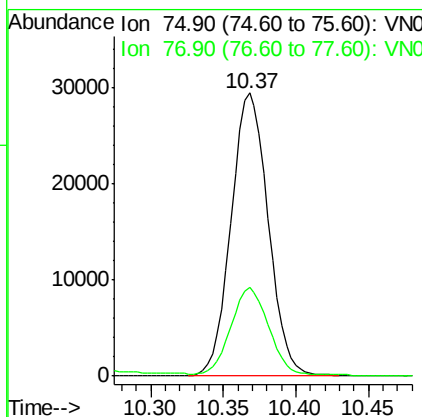
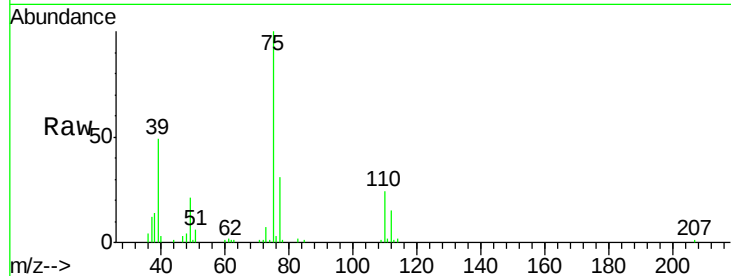
#53
t-1,3-Dichloropropene
Concen: 19.612 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 75 Resp: 52416
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7

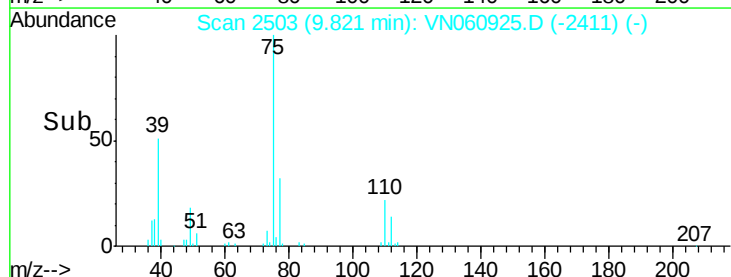
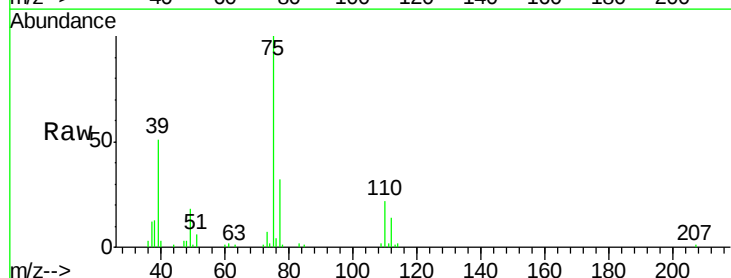
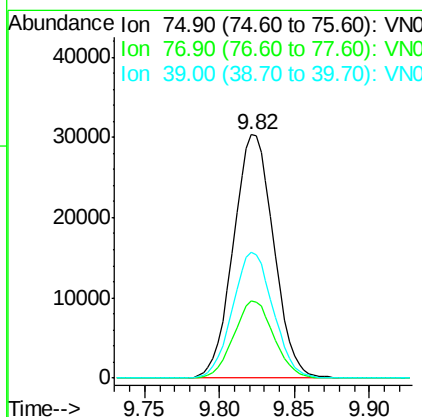
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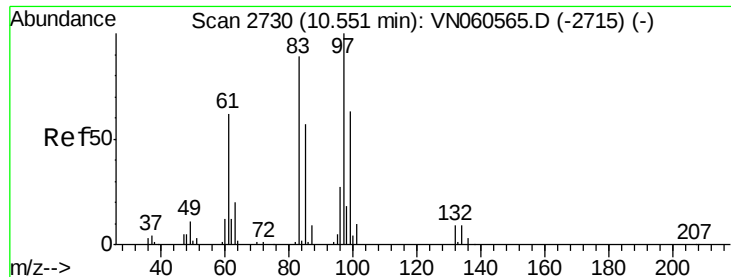
MMDadoda
4/15/2020 1:49:54 PM



#54
cis-1,3-Dichloropropene
Concen: 19.440 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 75 Resp: 57000
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 51.4 40.2 60.4





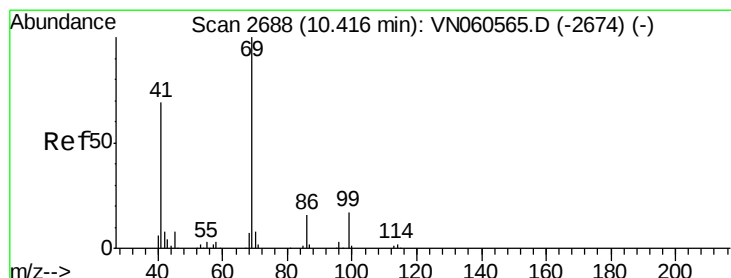
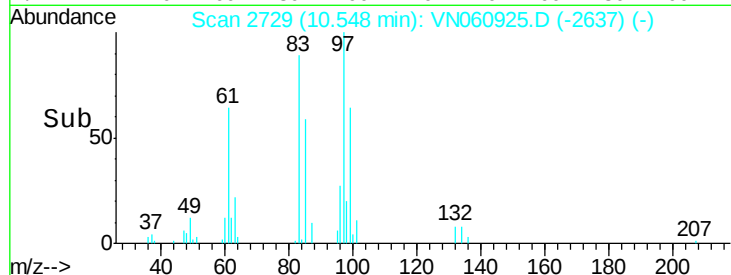
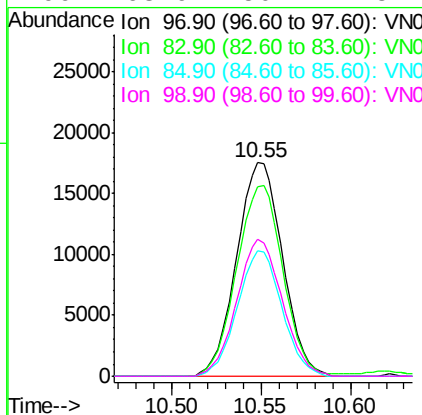
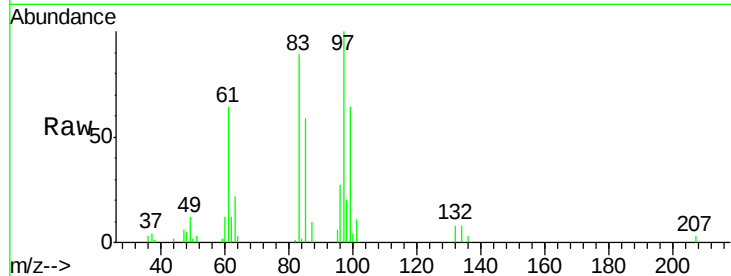
#55
 1,1,2-Trichloroethane
 Concen: 19.365 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion:	97	Resp:	31580
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.3	106.9
85	58.7	45.2	67.8
99	63.9	50.1	75.1

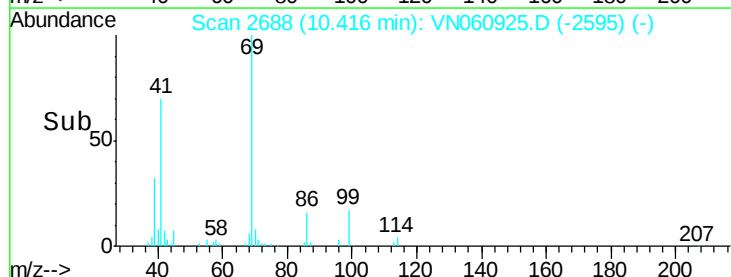
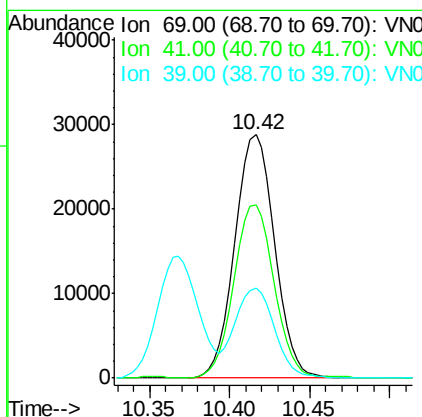
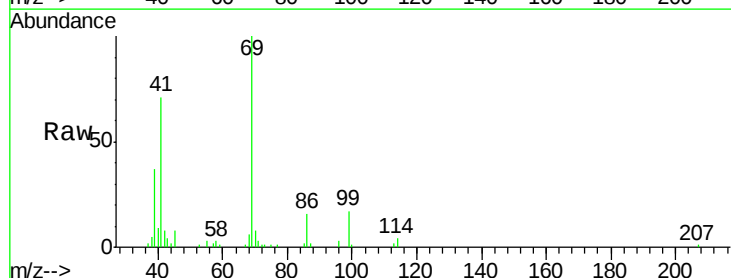
Manual Integrations
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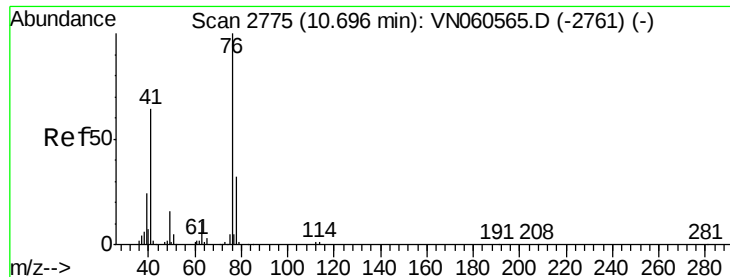
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 4/15/2020 1:49:54 PM



#56
 Ethyl methacrylate
 Concen: 19.239 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion:	69	Resp:	48920
Ion	Ratio	Lower	Upper
69	100		
41	72.4	55.4	83.2
39	36.9	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.874 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 76 Resp: 56241

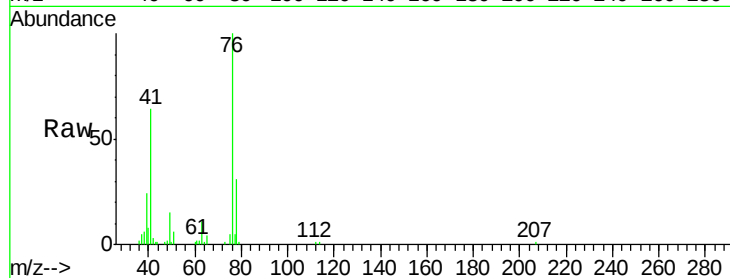
Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6

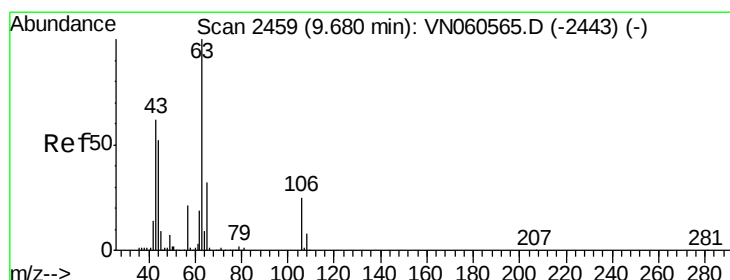
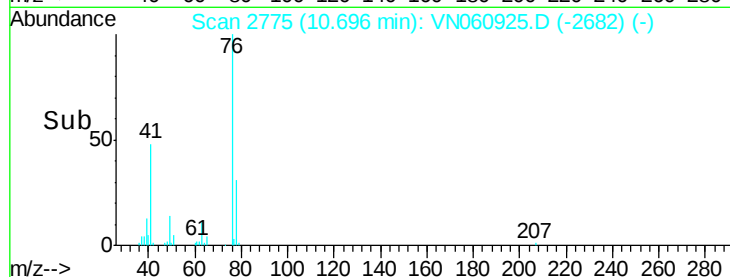
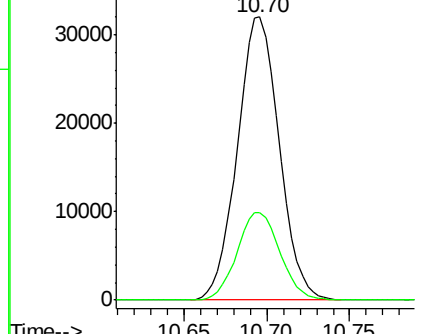
Manual Integrations
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4/15/2020 1:49:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VN060925.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060925.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 90.548 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060925.D

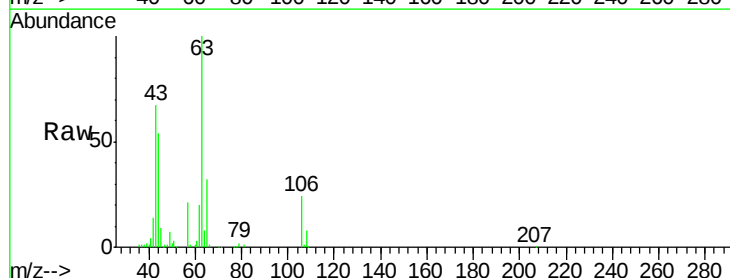
Acq: 14 Apr 2020 11:27

Tgt Ion: 63 Resp: 114434

Ion Ratio Lower Upper

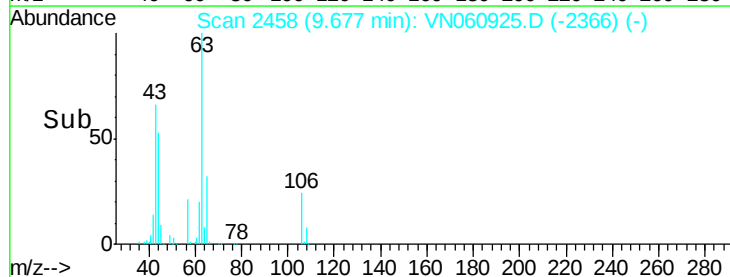
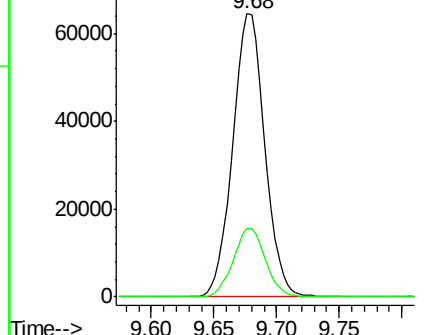
63 100

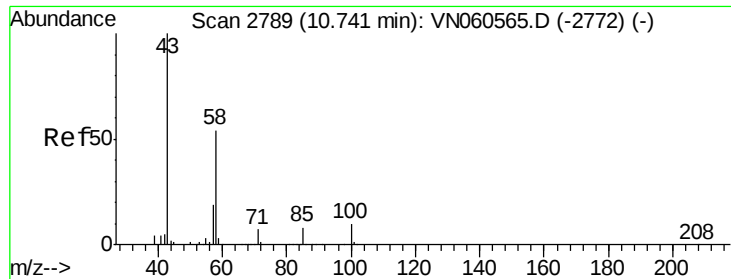
106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060925.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060925.D (-2366) (-)





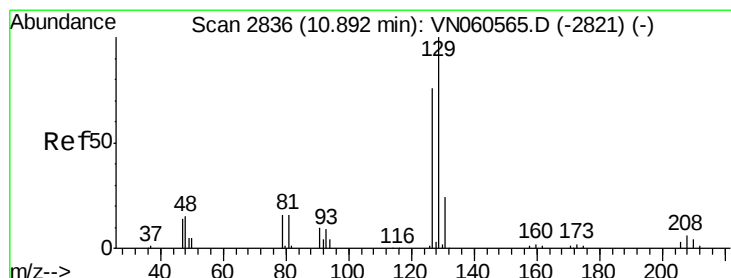
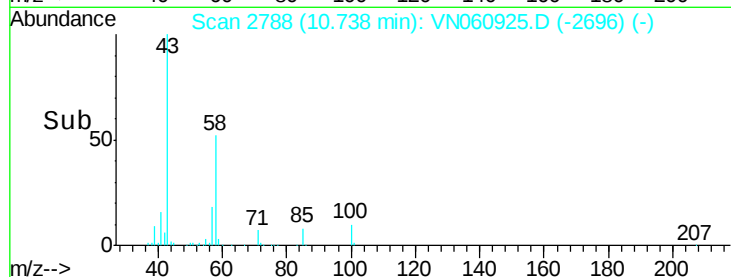
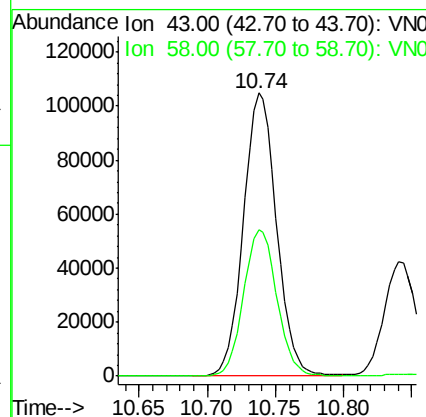
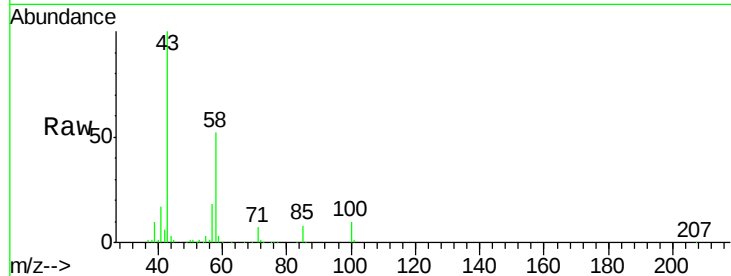
#59
2-Hexanone
Concen: 104.094 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 43 Resp: 176792
Ion Ratio Lower Upper
43 100
58 52.2 26.7 80.1

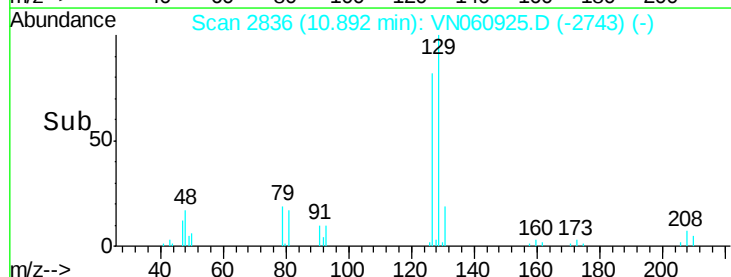
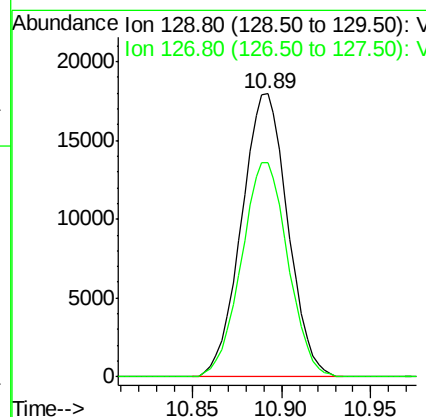
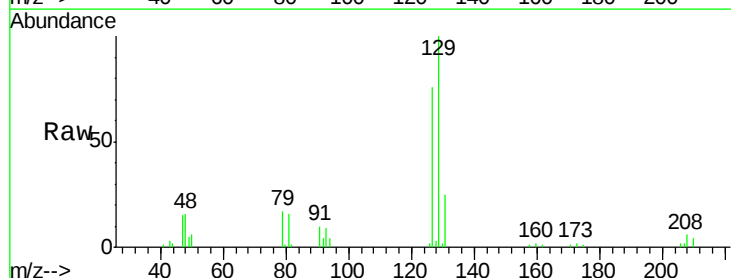
Manual Integrations
APPROVED

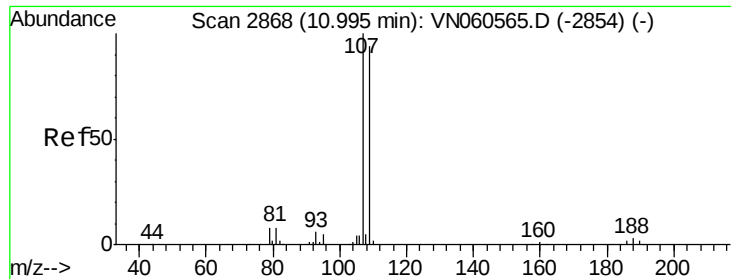
MMDadoda
4/15/2020 1:49:54 PM



#60
Dibromochloromethane
Concen: 19.251 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 129 Resp: 32428
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.755 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:107 Resp: 30756

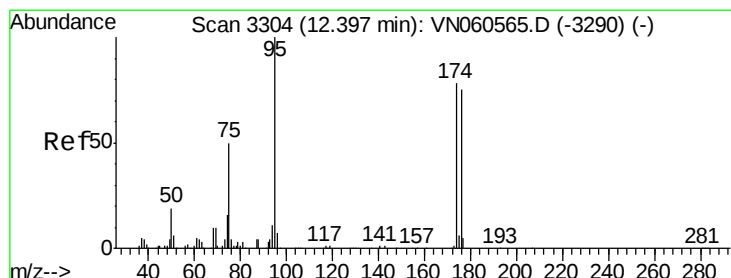
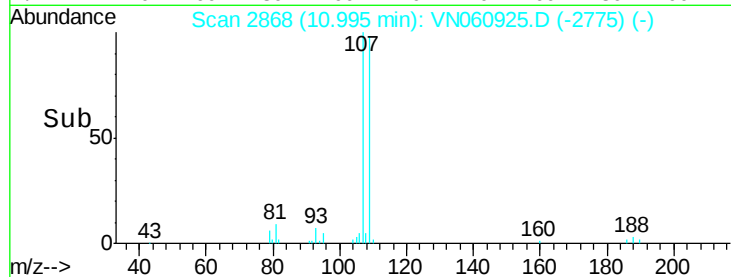
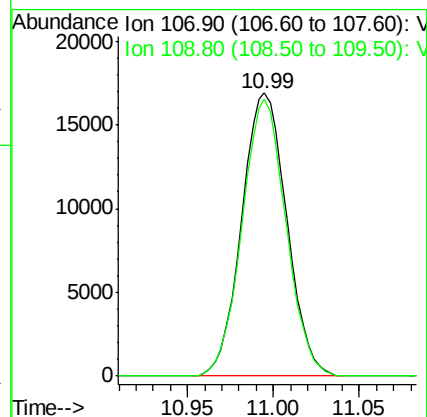
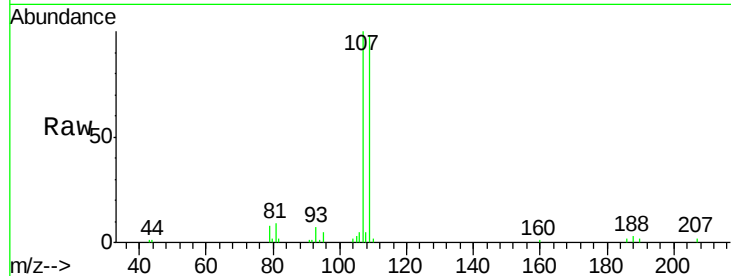
Ion Ratio Lower Upper

107 100

109 95.2 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:54 PM



#62

4-Bromofluorobenzene

Concen: 47.880 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

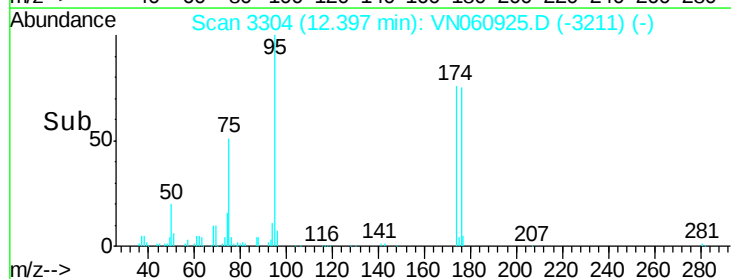
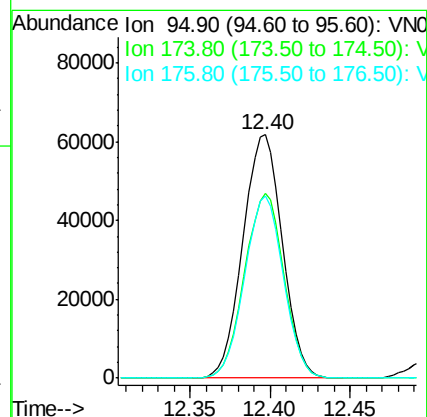
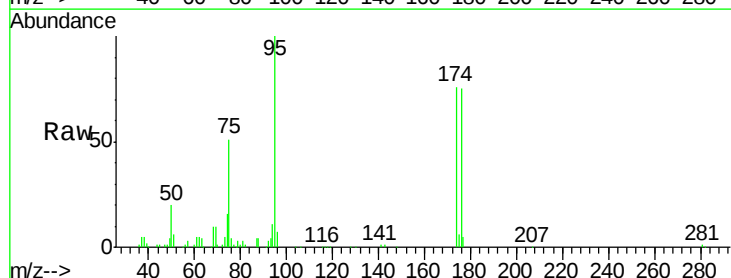
Tgt Ion: 95 Resp: 104065

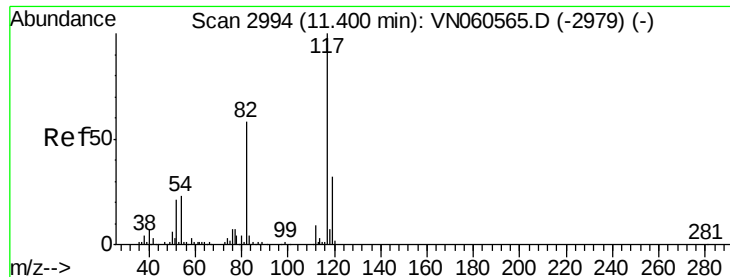
Ion Ratio Lower Upper

95 100

174 75.7 0.0 157.6

176 73.7 0.0 150.6





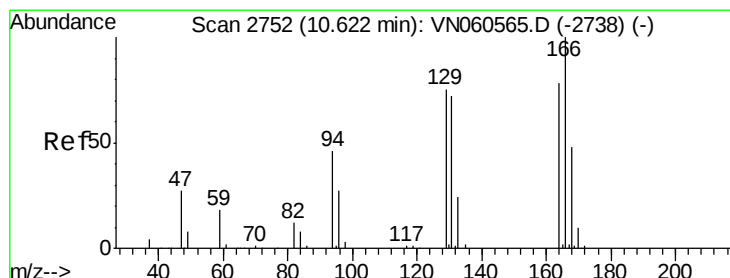
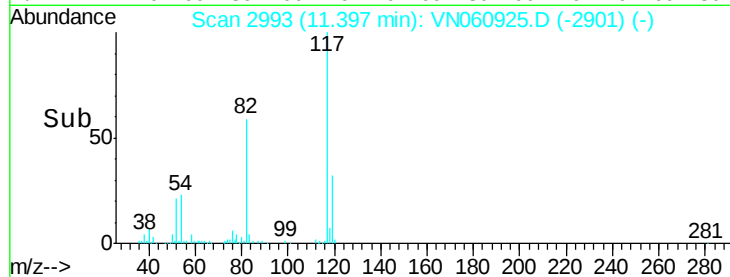
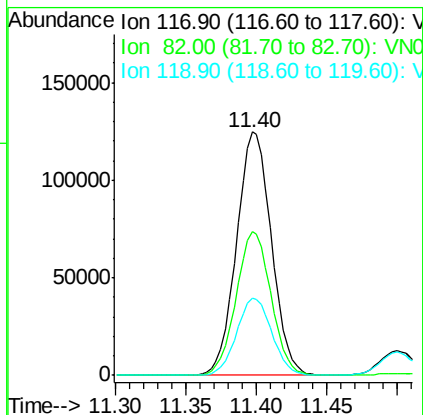
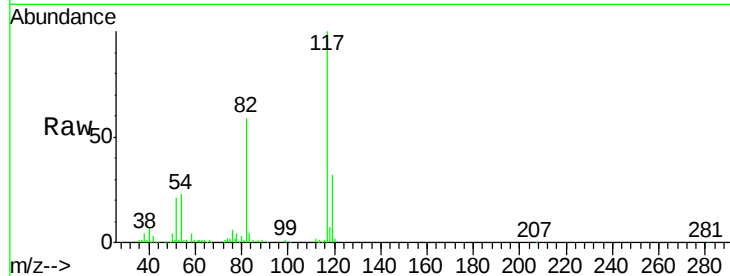
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.7	70.1
119	31.6	25.5	38.3

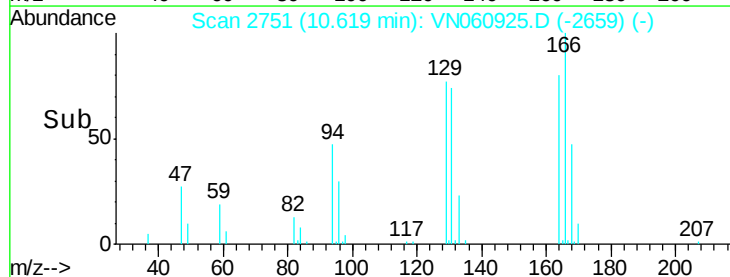
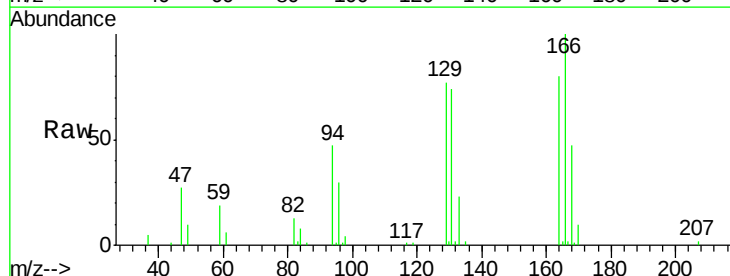
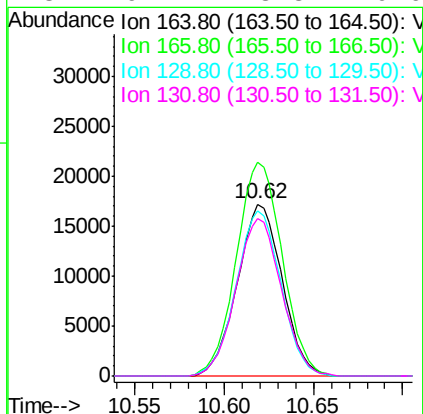
Manual Integrations
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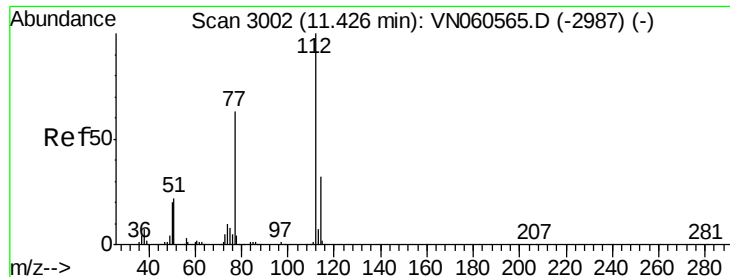
MMDadoda
4/15/2020 1:49:54 PM



#64
Tetrachloroethene
Concen: 17.762 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.7	154.1
129	96.2	77.2	115.8
131	91.7	73.8	110.6





#65

Chlorobenzene

Concen: 18.926 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:112 Resp: 81214

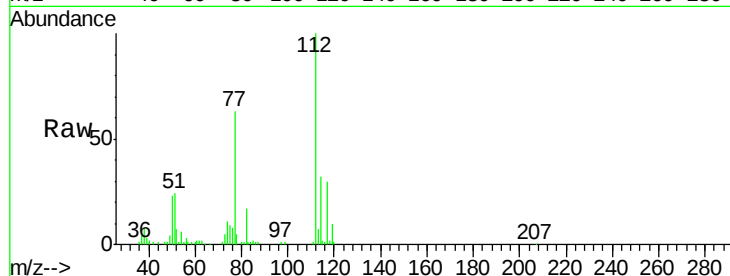
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6

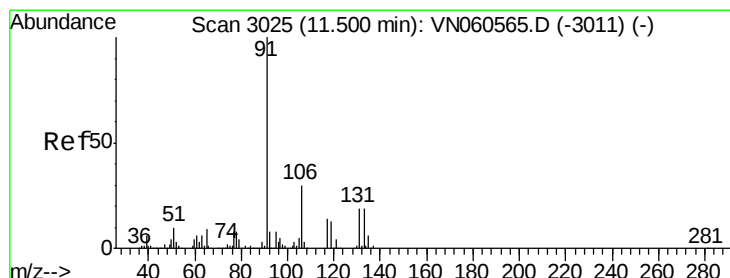
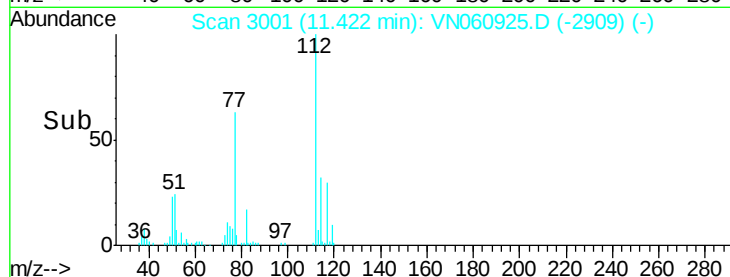
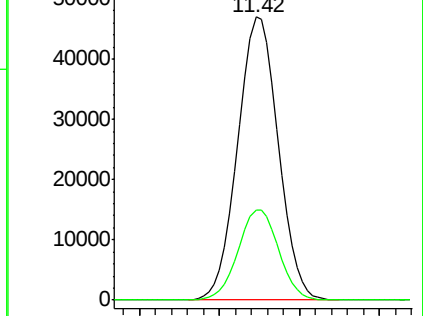
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.791 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

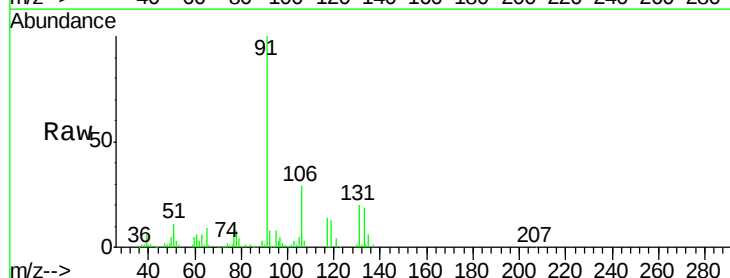
Tgt Ion:131 Resp: 30749

Ion Ratio Lower Upper

131 100

133 94.7 48.9 146.8

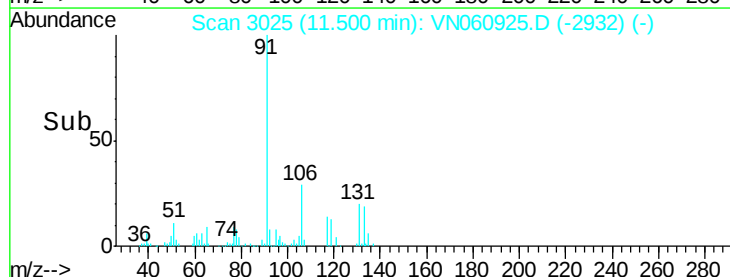
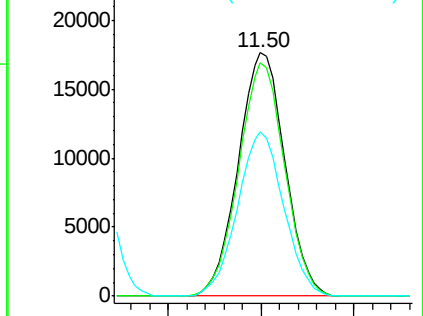
119 66.6 33.9 101.7

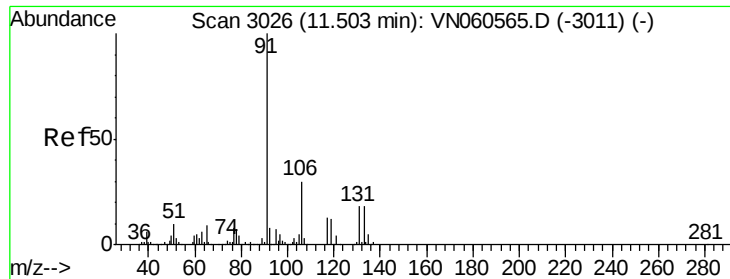


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





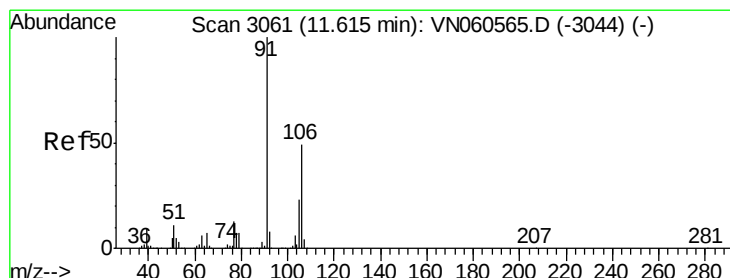
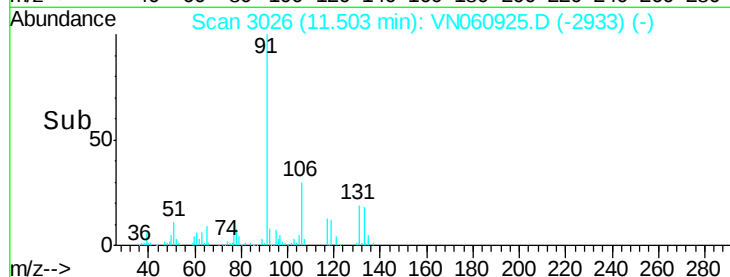
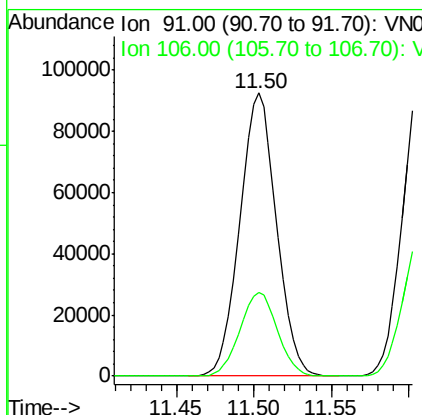
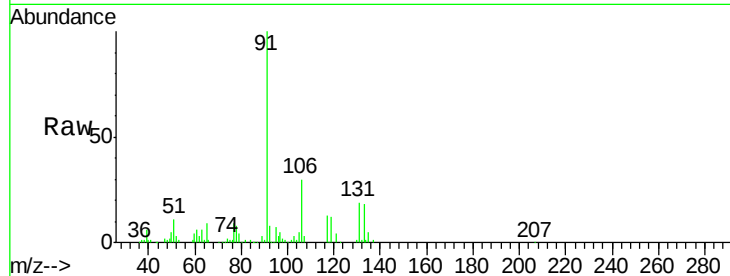
#67
Ethyl Benzene
Concen: 19.052 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 91 Resp: 152036
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.2

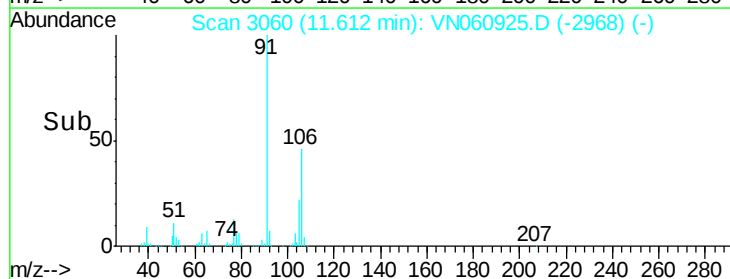
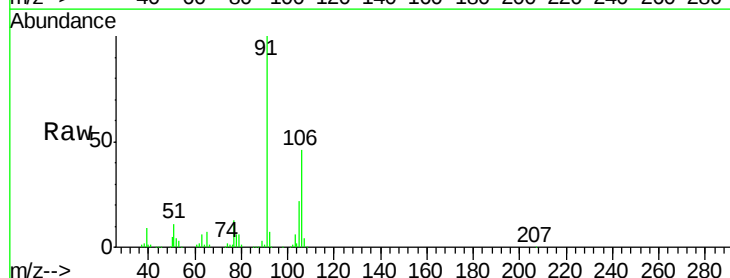
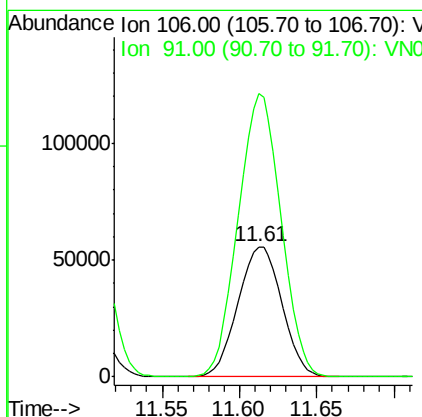
Manual Integrations
APPROVED

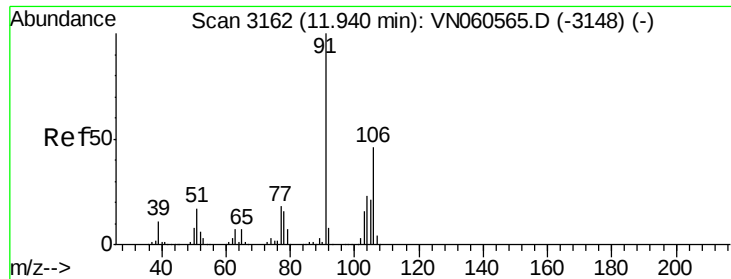
MMDadoda
4/15/2020 1:49:54 PM



#68
m/p-Xylenes
Concen: 37.071 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion: 106 Resp: 109932
Ion Ratio Lower Upper
106 100
91 212.5 165.0 247.4





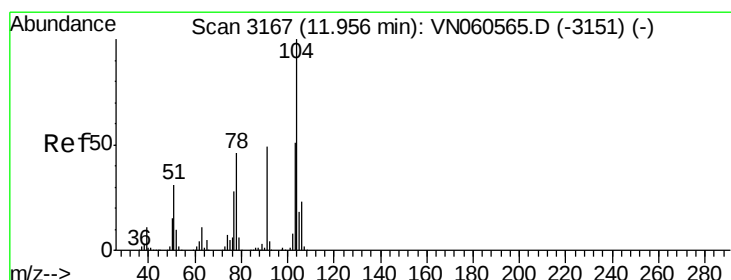
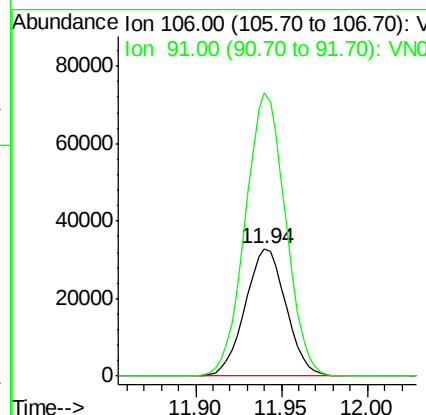
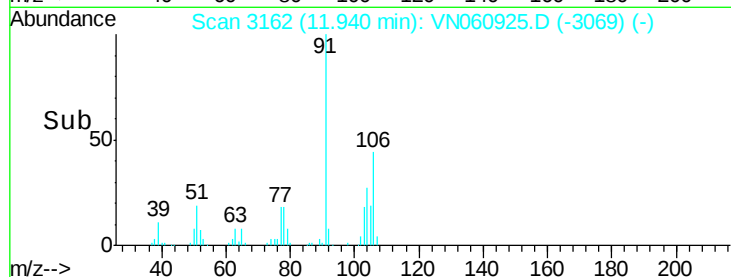
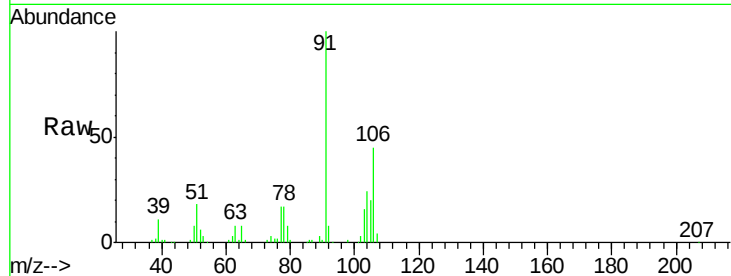
#69
o-Xylene
Concen: 19.206 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion:106 Resp: 54370
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

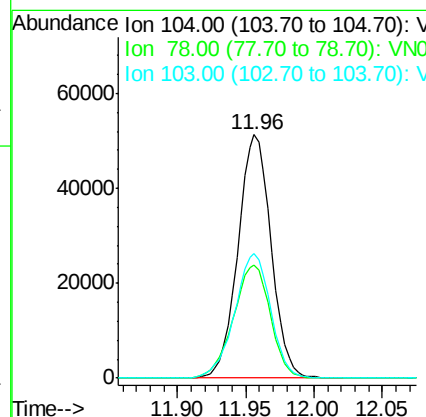
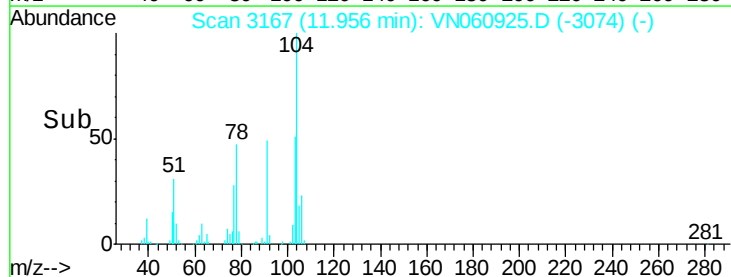
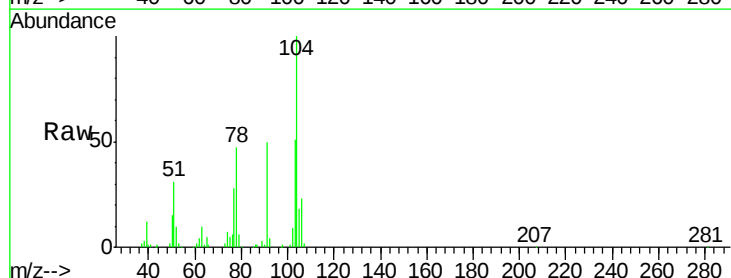
Manual Integrations
APPROVED

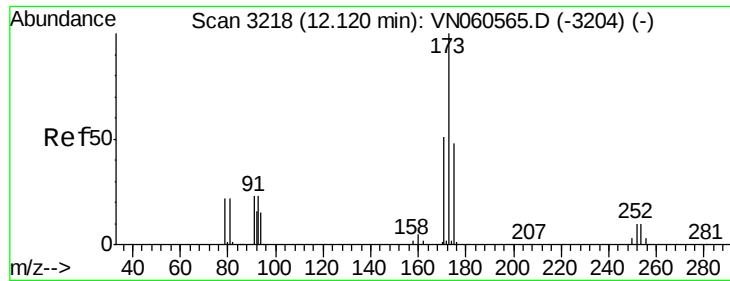
MMDadoda
4/15/2020 1:49:54 PM



#70
Styrene
Concen: 18.670 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion:104 Resp: 86440
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.6 44.0 66.0





#71

Bromoform

Concen: 18.440 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:173 Resp: 22395

Ion Ratio Lower Upper

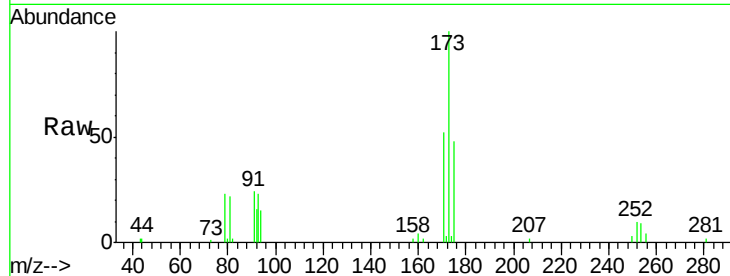
173 100

175 48.0 24.1 72.4

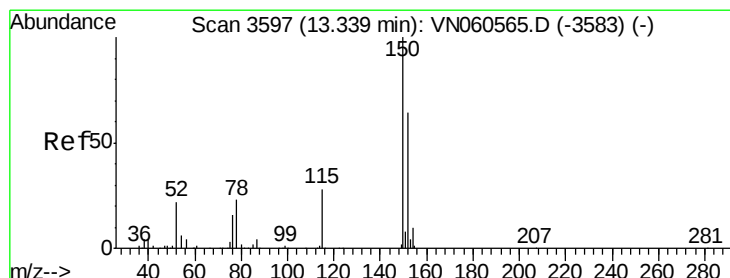
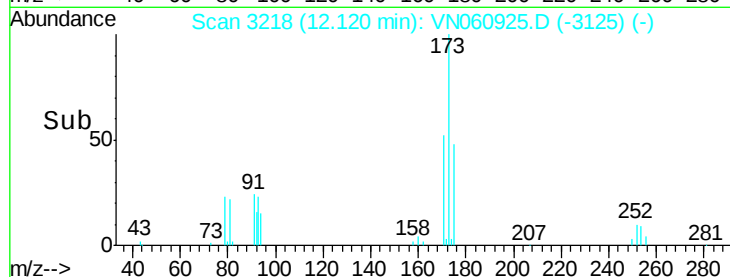
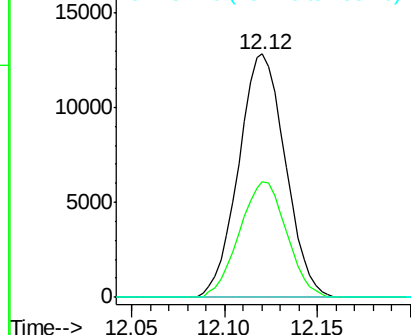
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:54 PM



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: VN060925.D

Acq: 14 Apr 2020 11:27

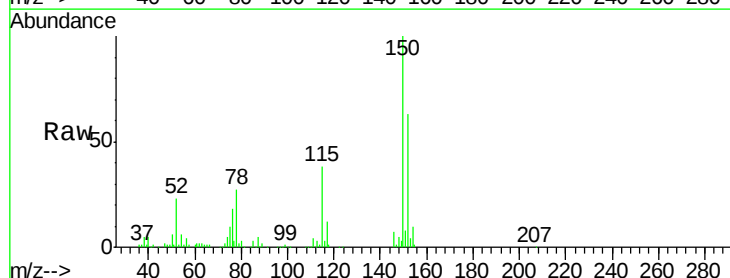
Tgt Ion:152 Resp: 101372

Ion Ratio Lower Upper

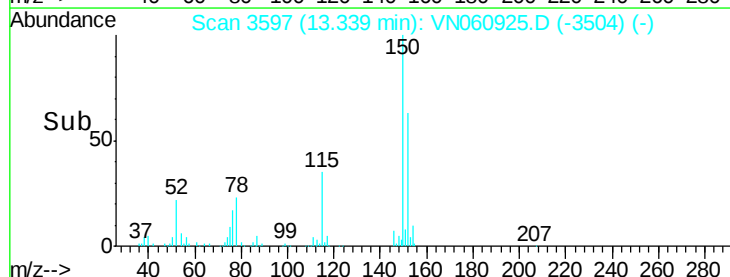
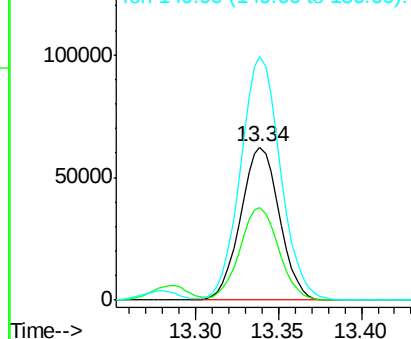
152 100

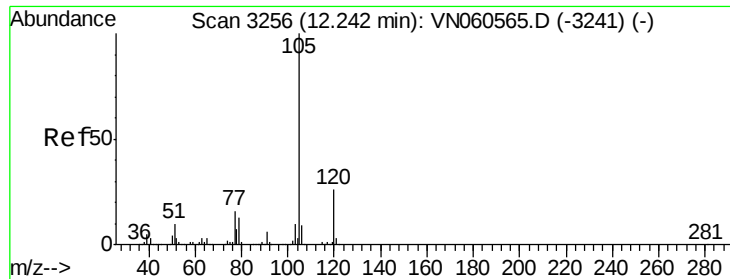
115 60.8 30.2 90.6

150 163.8 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: 19.279 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion:105 Resp: 146669

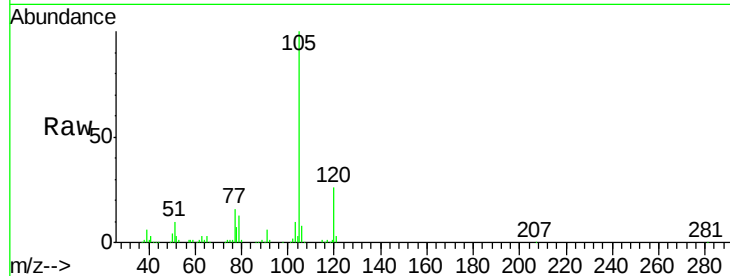
Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:54 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

80000

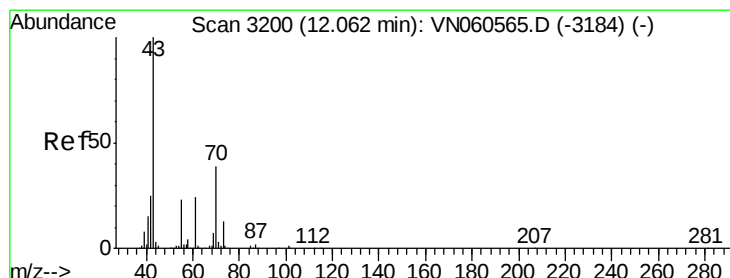
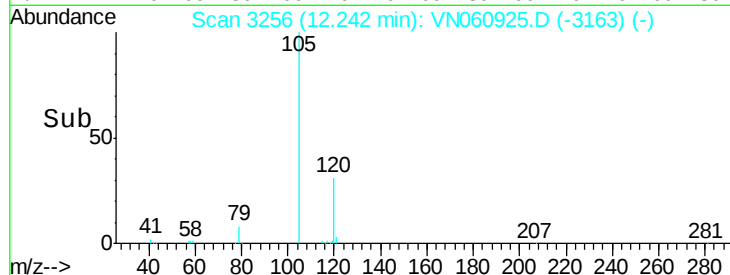
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 19.223 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion: 43 Resp: 67576

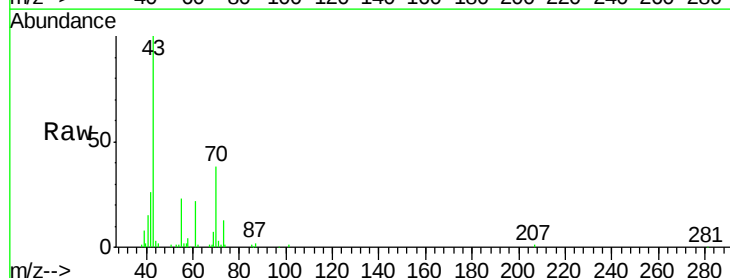
Ion Ratio Lower Upper

43 100

70 38.5 31.1 46.7

55 23.3 18.6 27.8

61 22.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

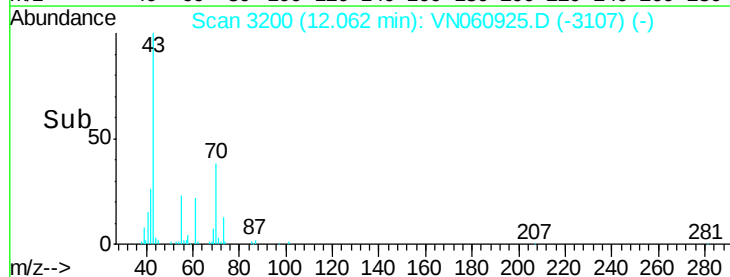
12.06

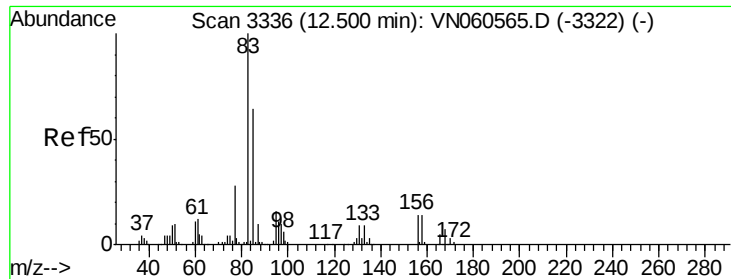
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.306 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

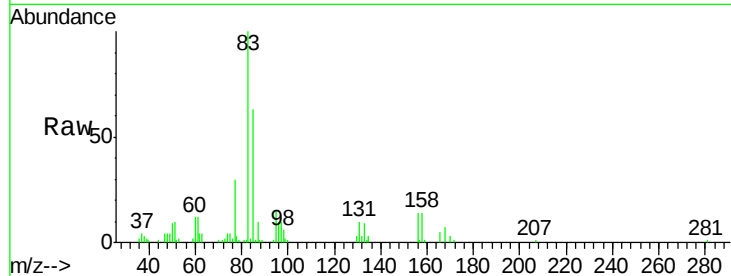
ClientSampleId :

VN0414WBS01

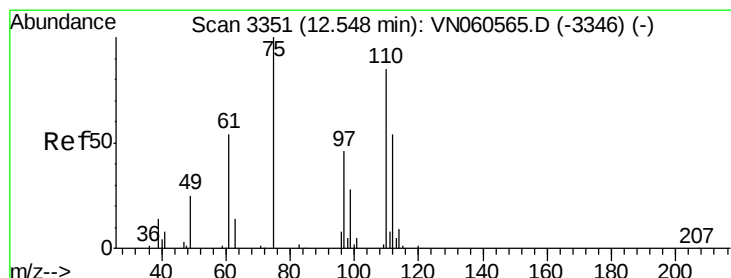
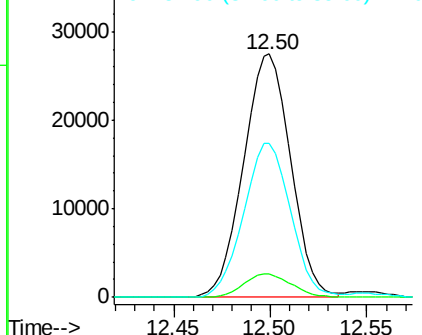
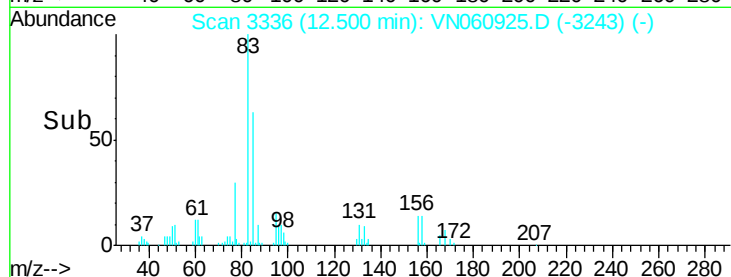
Tot Ion:	83	Resp:	46716
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.2	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060925.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 17.484 ug/l m

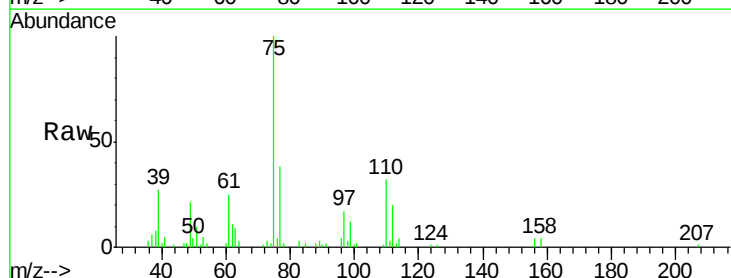
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

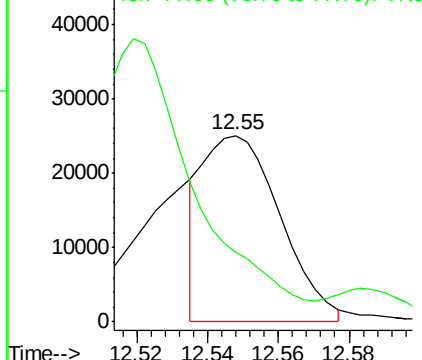
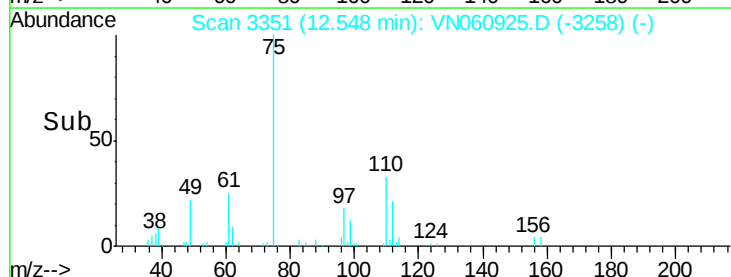
Lab File: VN060925.D

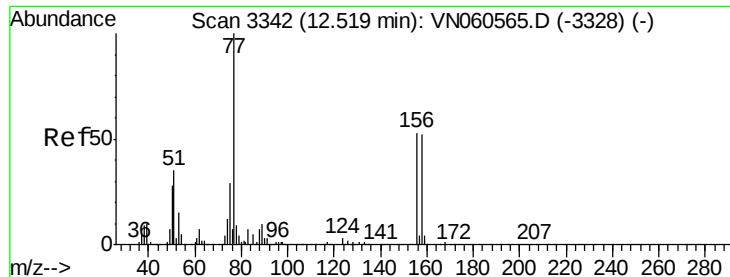
Acq: 14 Apr 2020 11:27

Tgt Ion:	75	Resp:	38244
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060925.D (-3258) (-)





#77

Bromobenzene

Concen: 18.408 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:156 Resp: 33744

Ion Ratio Lower Upper

156 100

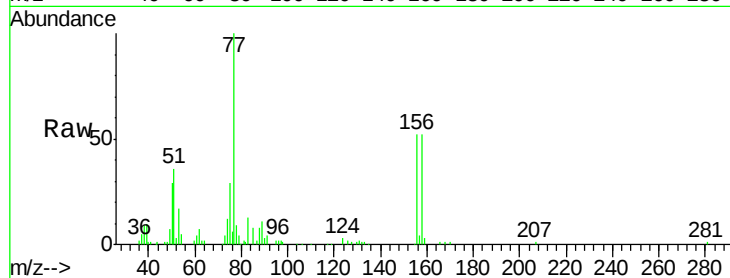
77 233.5 112.3 337.0

158 98.6 48.6 145.8

Manual Integrations
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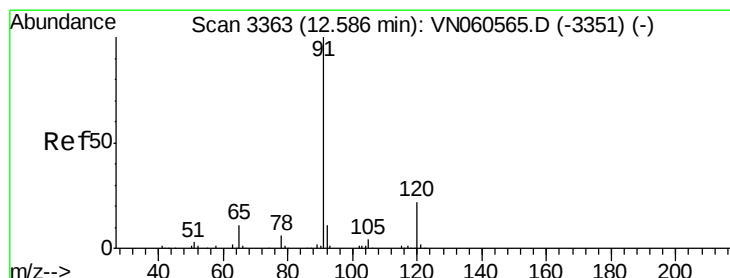
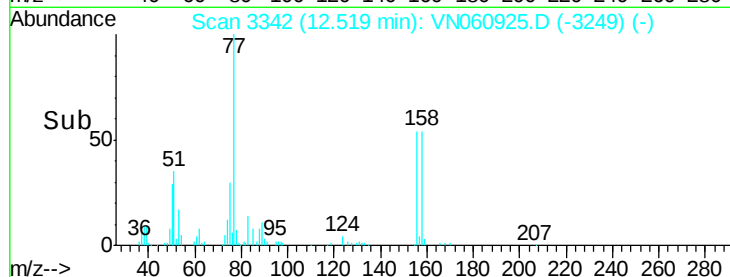
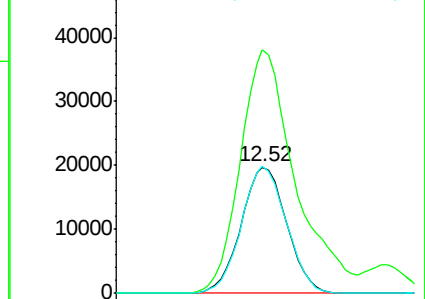
4/15/2020 1:49:54 PM



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: 19.094 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060925.D

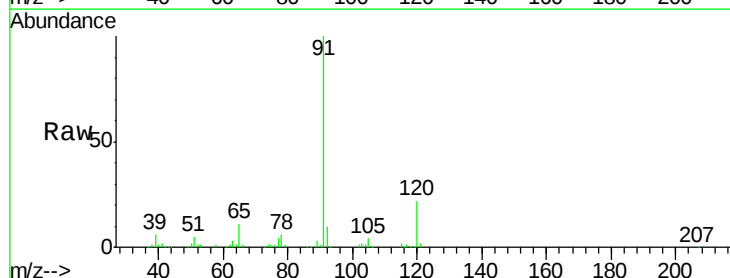
Acq: 14 Apr 2020 11:27

Tgt Ion: 91 Resp: 171614

Ion Ratio Lower Upper

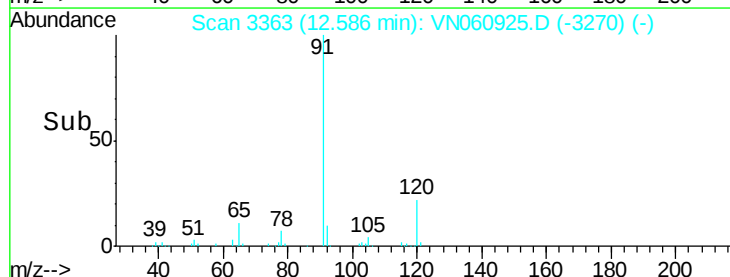
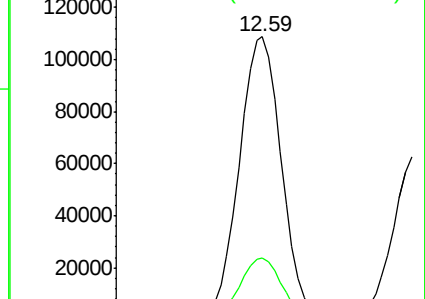
91 100

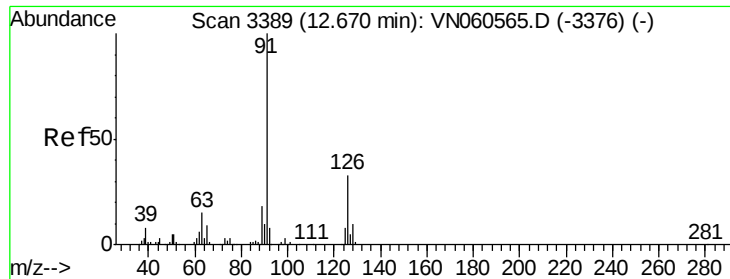
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





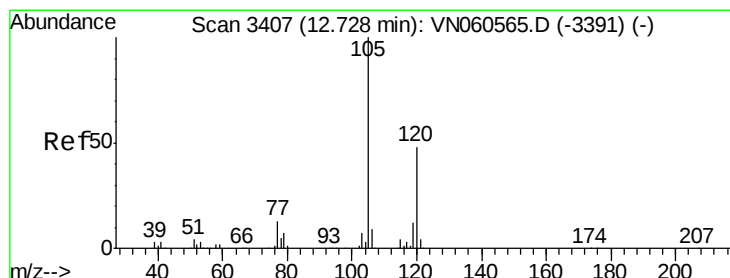
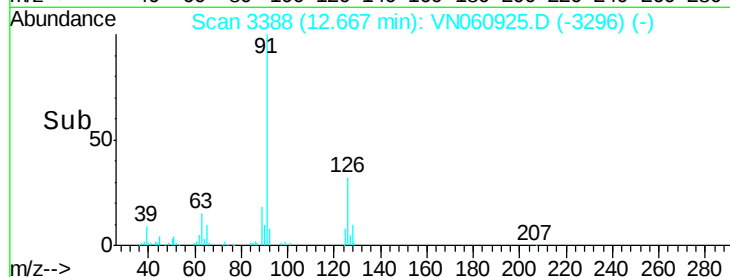
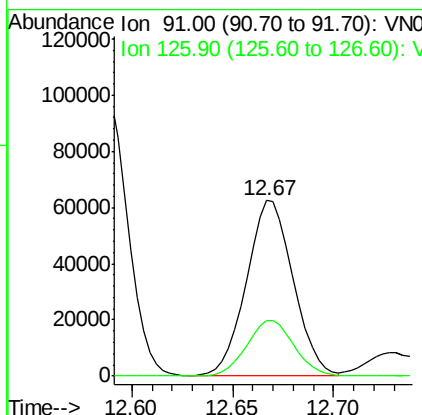
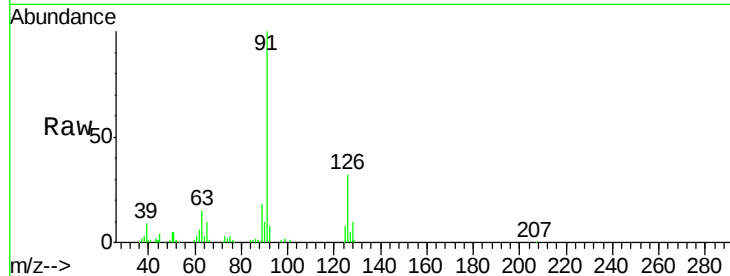
#79
 2-Chlorotoluene
 Concen: 18.837 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion: 91 Resp: 101159
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1

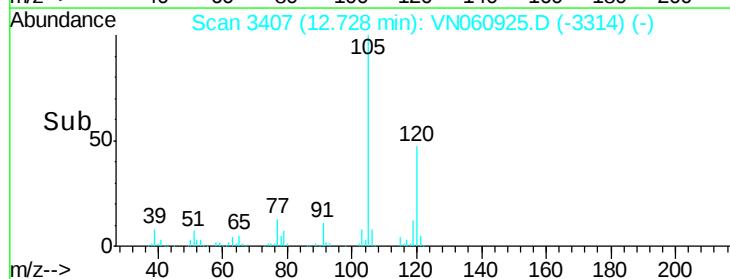
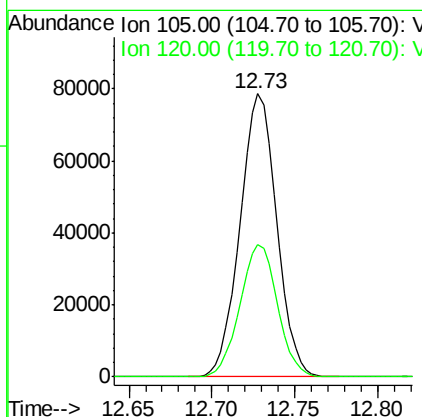
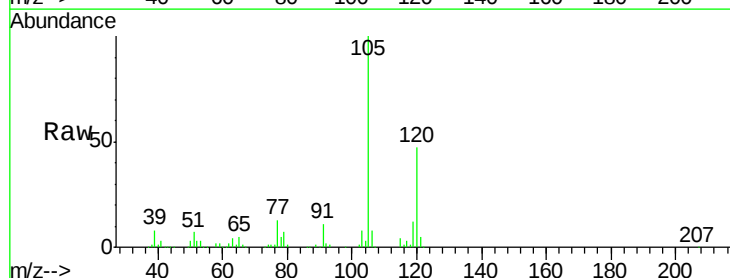
Manual Integrations
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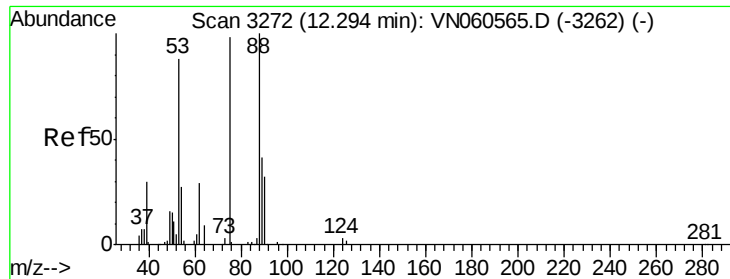
MMDadoda
 4/15/2020 1:49:54 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.722 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion: 105 Resp: 120867
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7





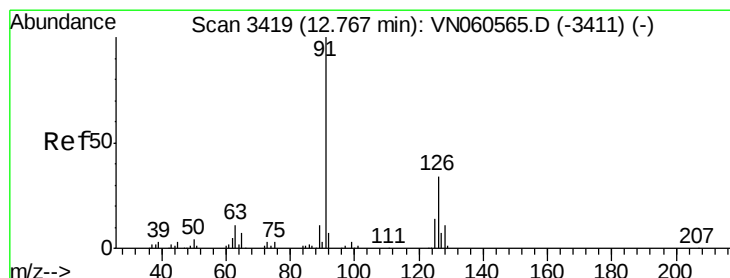
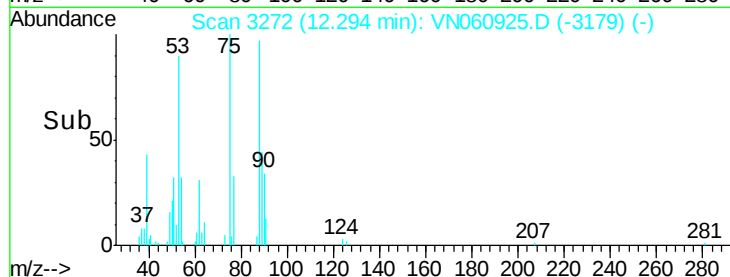
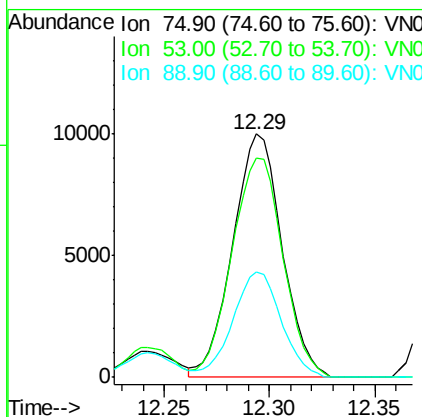
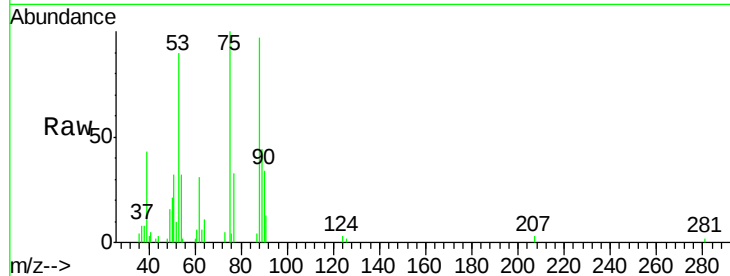
#81
trans-1,4-Dichloro-2-butene
Concen: 19.080 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.0	109.4
89	42.4	34.8	52.2

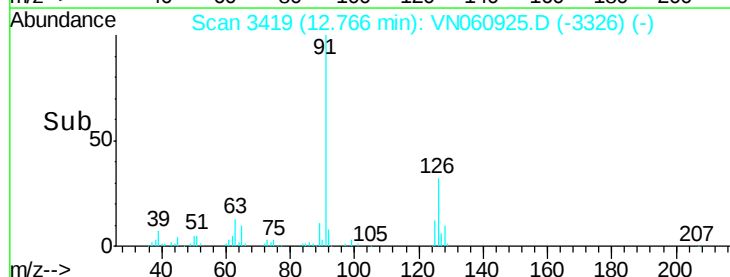
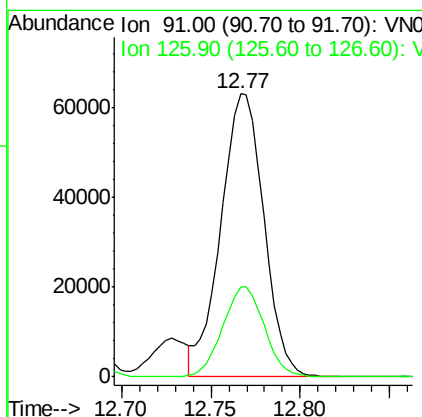
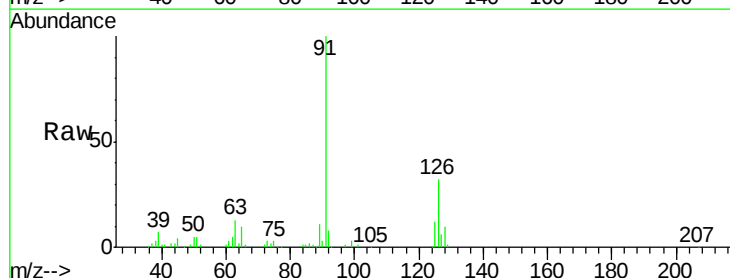
Manual Integrations
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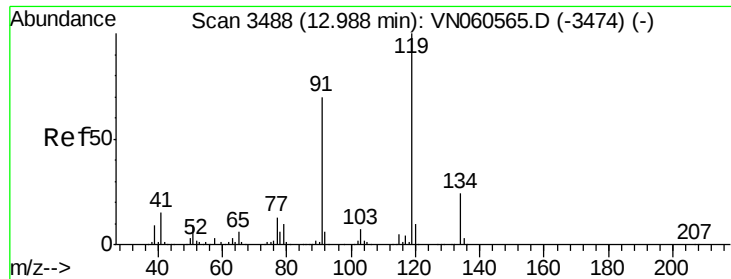
MMDadoda
4/15/2020 1:49:54 PM



#82
4-Chlorotoluene
Concen: 19.360 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	16.2	48.5





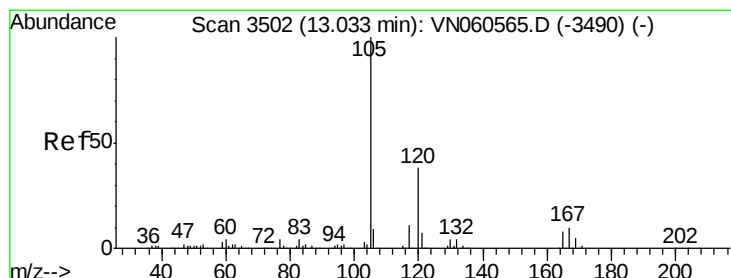
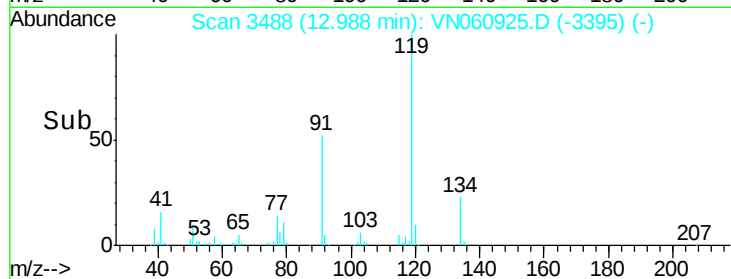
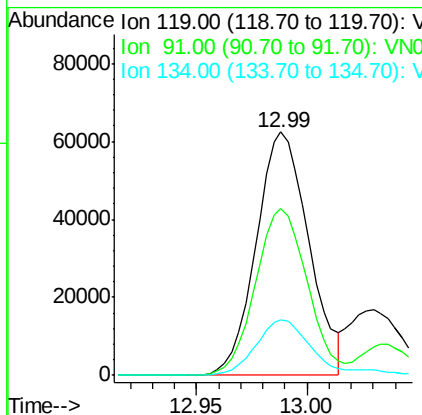
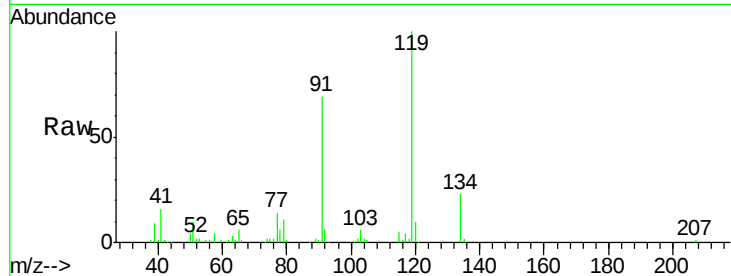
#83
 tert-Butylbenzene
 Concen: 19.290 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	24.8	12.7	38.0

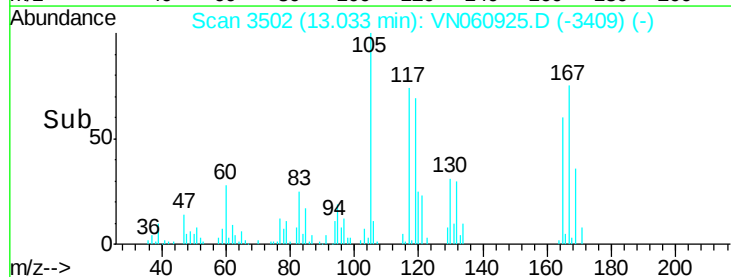
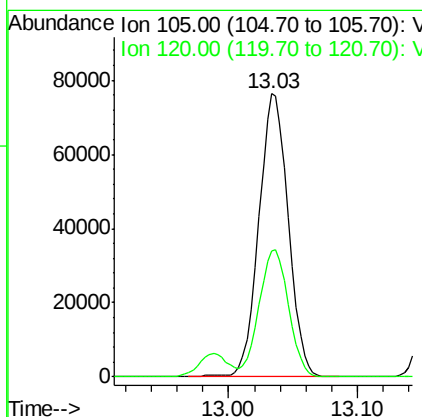
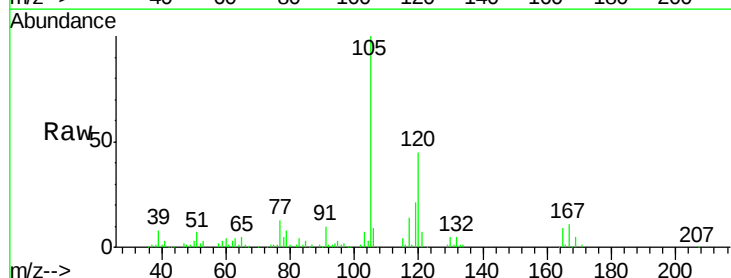
Manual Integrations
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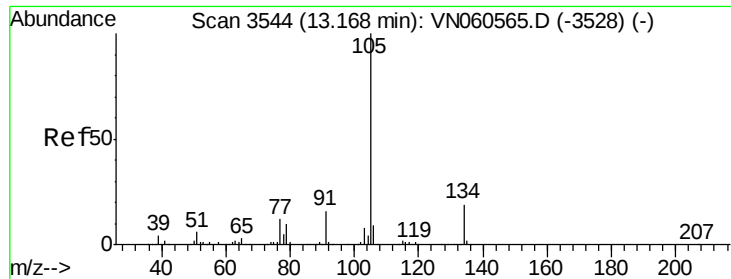
MMDadoda
 4/15/2020 1:49:54 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.077 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.695 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion:105 Resp: 141739

Ion Ratio Lower Upper

105 100

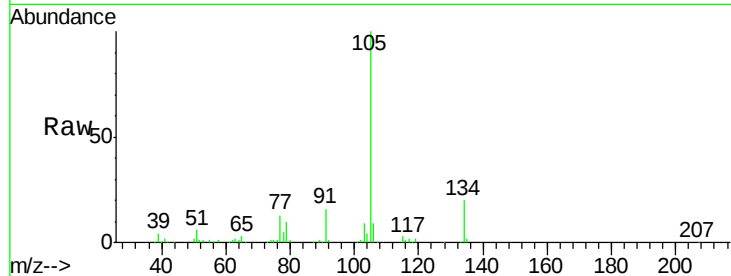
134 19.1 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

80000

60000

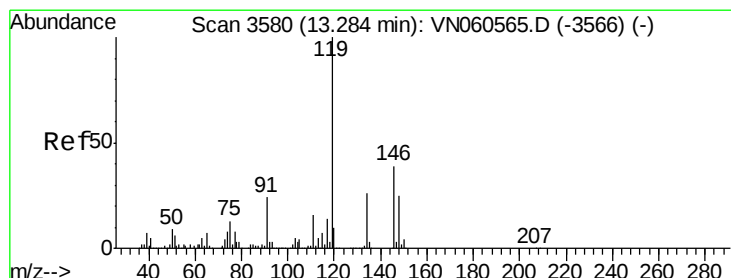
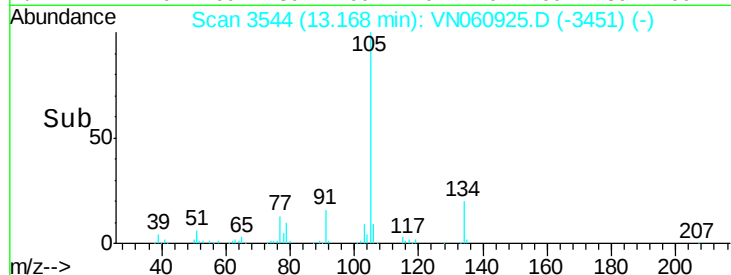
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.658 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

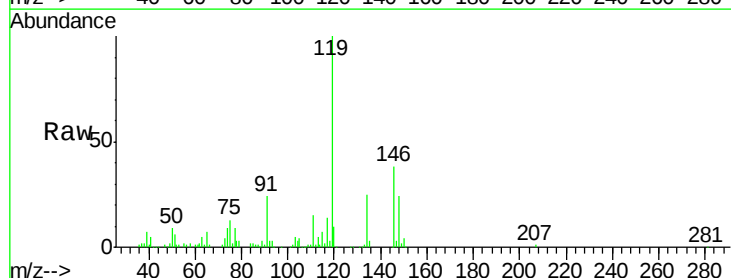
Tgt Ion:119 Resp: 127217

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 23.7 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

13.28

80000

60000

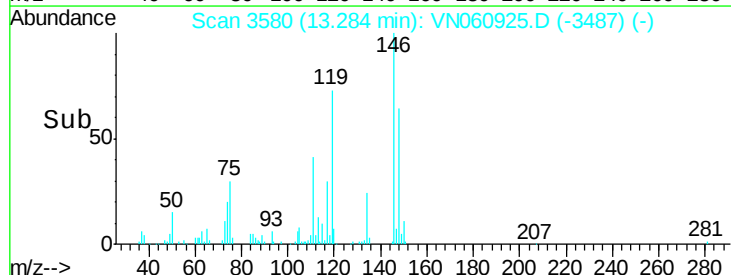
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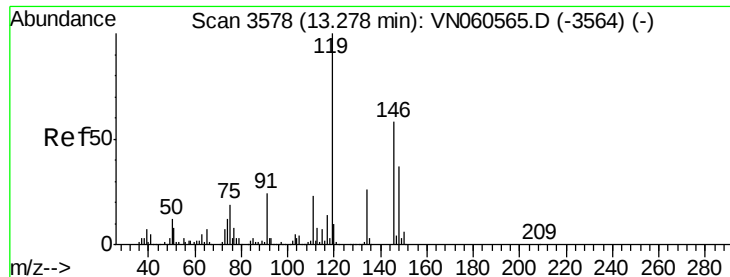
20000

0

13.20 13.25 13.30 13.35

Time-->





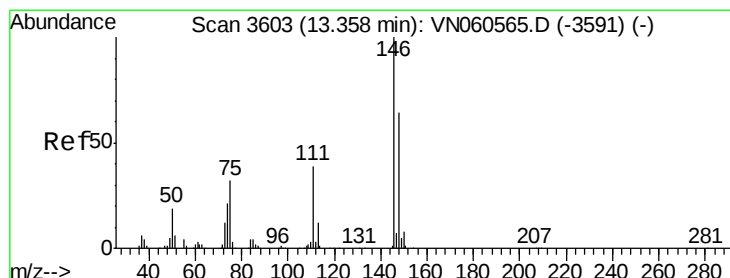
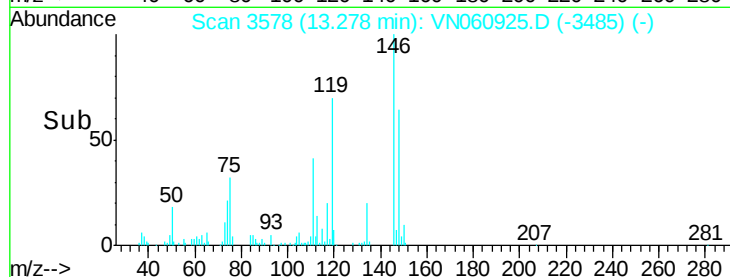
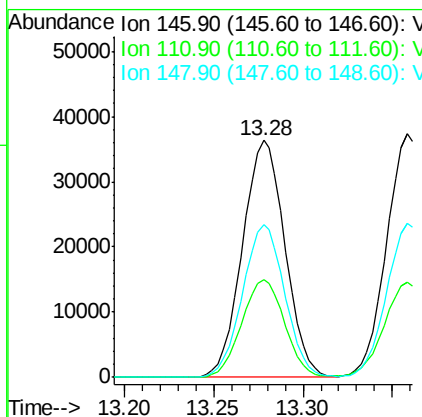
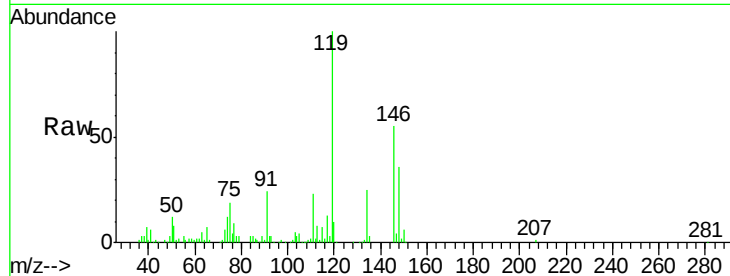
#87
 1,3-Dichlorobenzene
 Concen: 18.732 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	64.1	32.5	97.4

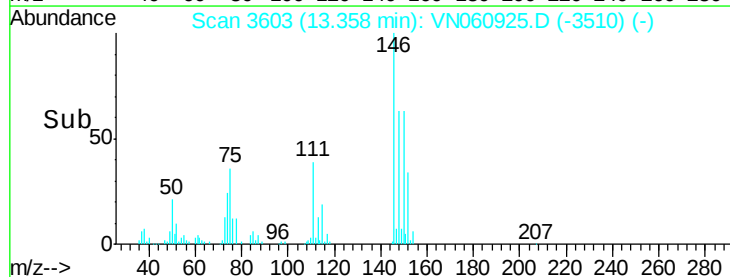
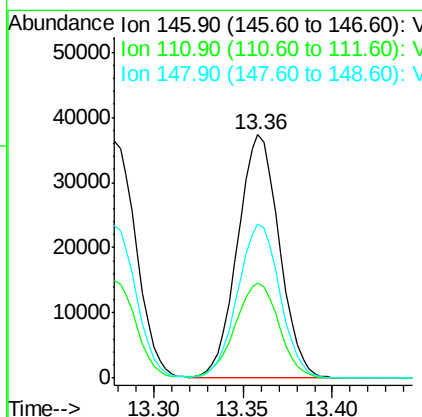
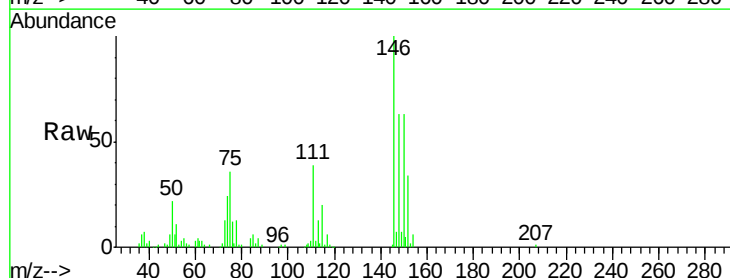
Manual Integrations
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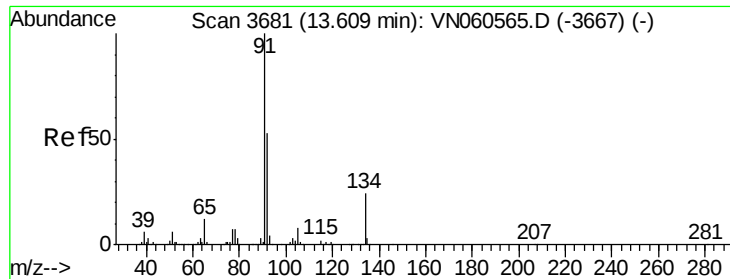
MMDadoda
 4/15/2020 1:49:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.778 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.7
148	64.0	32.1	96.3





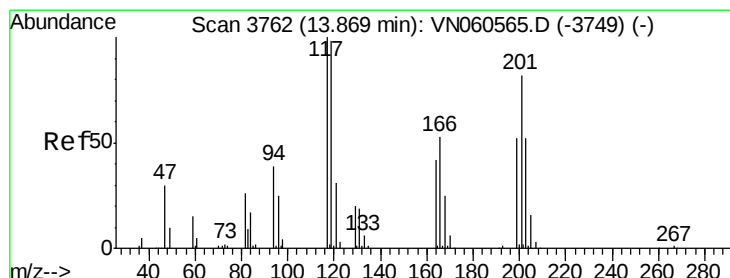
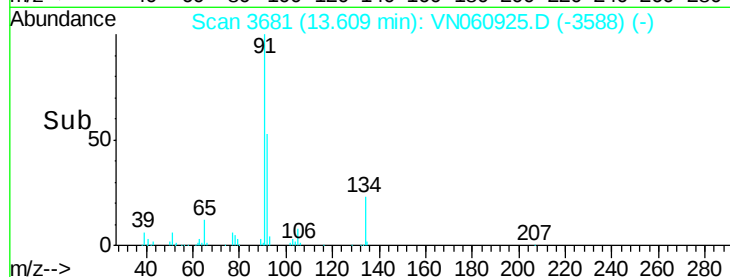
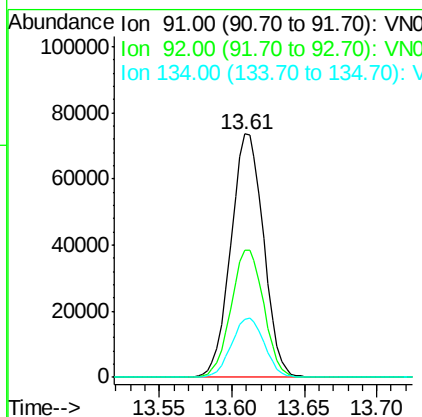
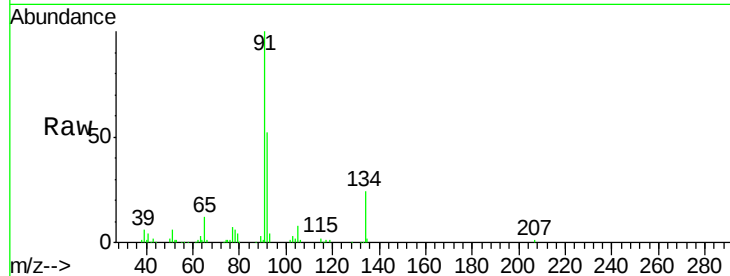
#89
n-Butylbenzene
Concen: 19.695 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	24.3	12.3	36.9

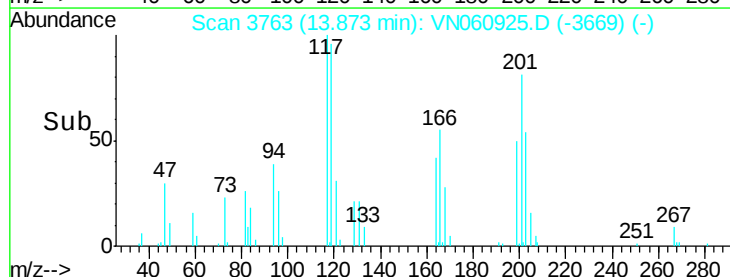
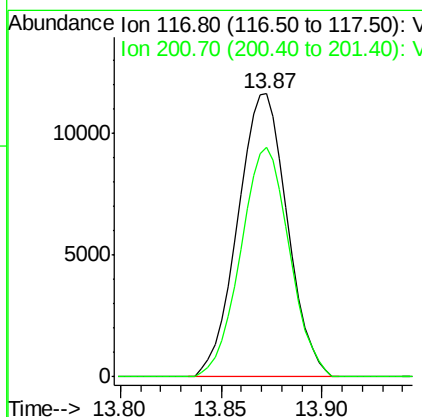
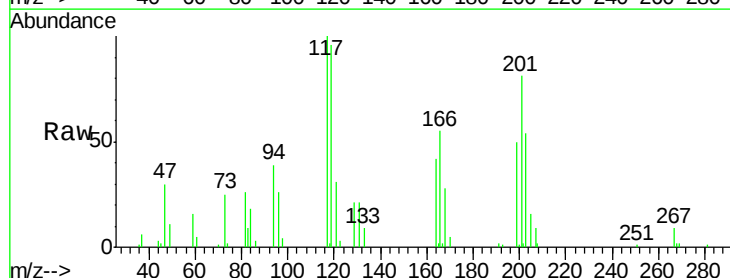
Manual Integrations
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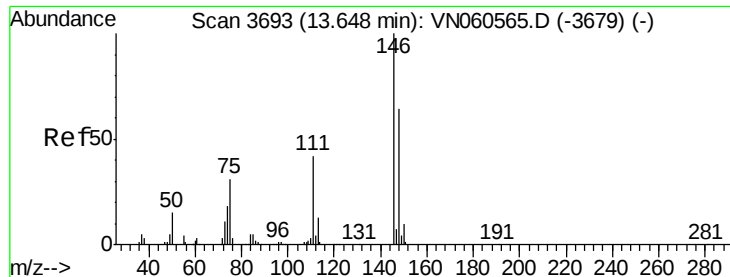
MMDadoda
4/15/2020 1:49:54 PM



#90
Hexachloroethane
Concen: 21.216 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060925.D
Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.8	122.5





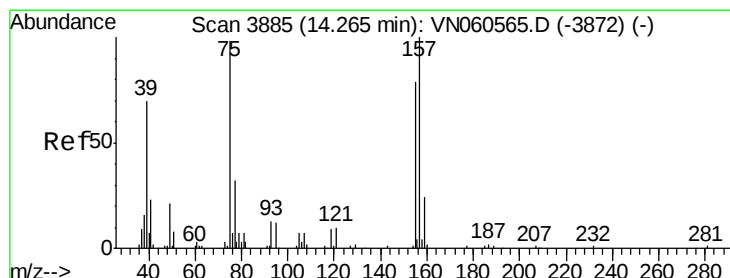
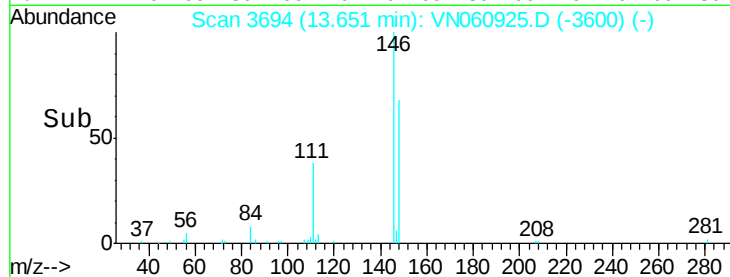
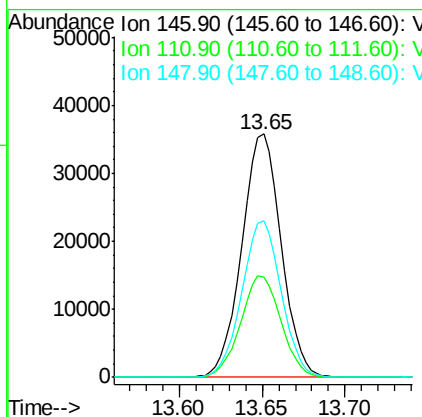
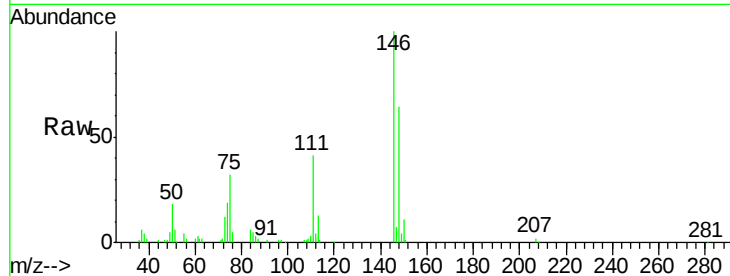
#91
 1,2-Dichlorobenzene
 Concen: 19.166 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion:	146	Resp:	59251
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.0	63.0
148	64.1	31.9	95.5

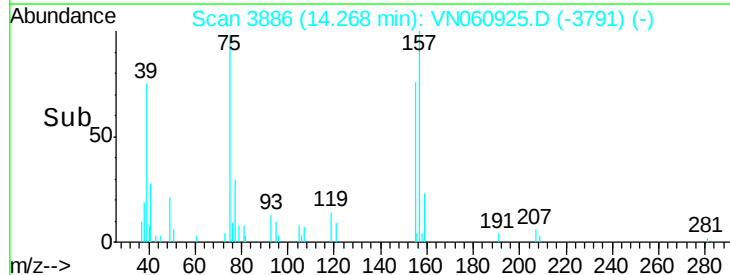
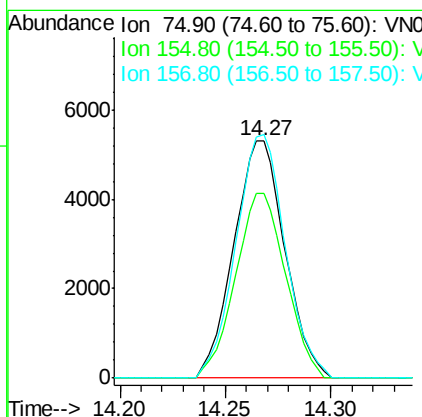
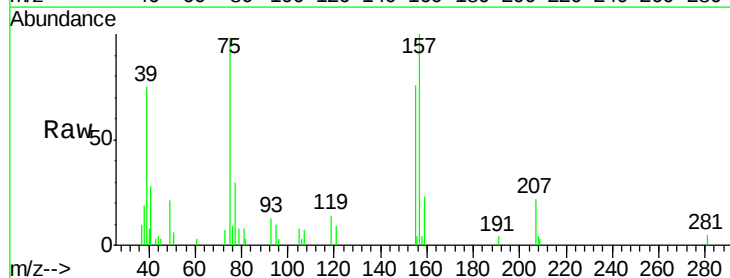
Manual Integrations
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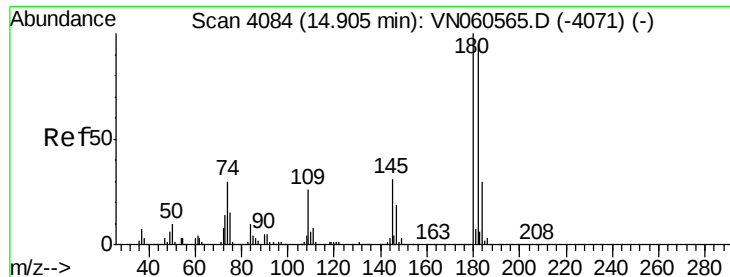
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.408 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion:	75	Resp:	8952
Ion Ratio	Lower	Upper	
75	100		
155	76.3	40.7	122.1
157	99.2	51.5	154.7





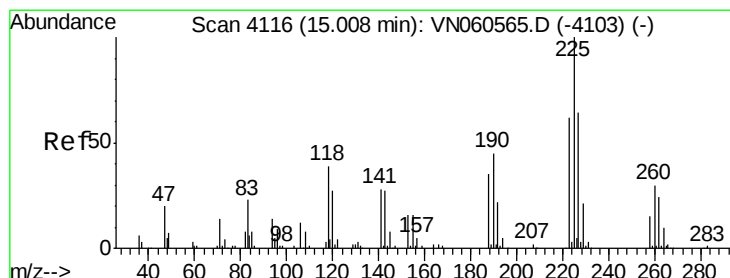
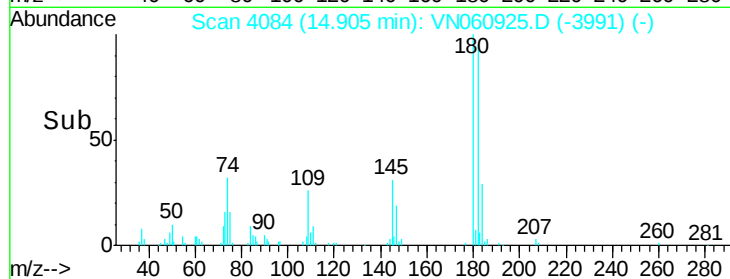
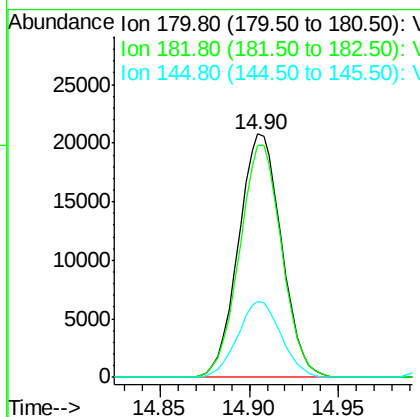
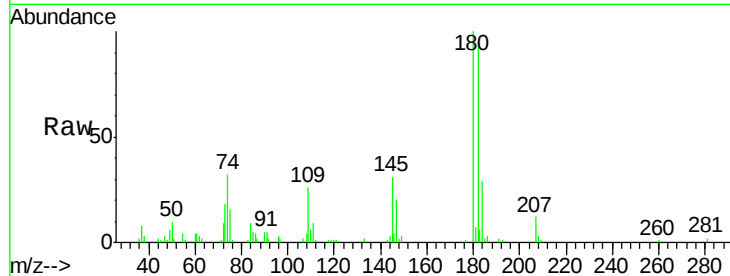
#93
 1,2,4-Trichlorobenzene
 Concen: 18.395 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34923		
182	94.0	47.9	143.8	
145	31.5	15.4	46.2	

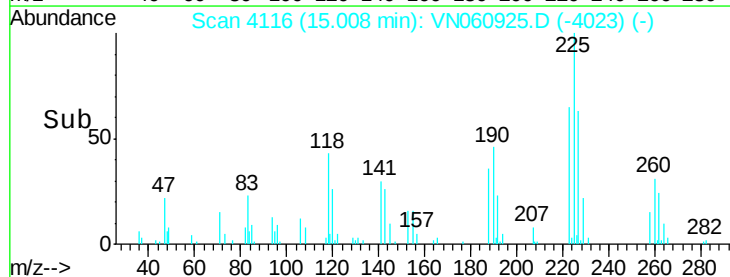
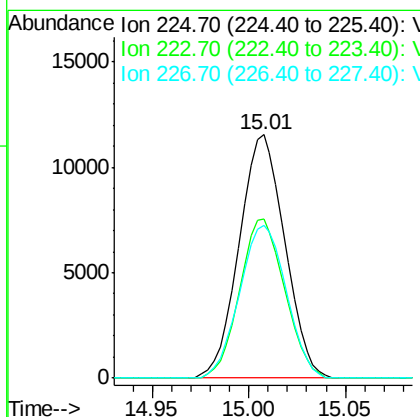
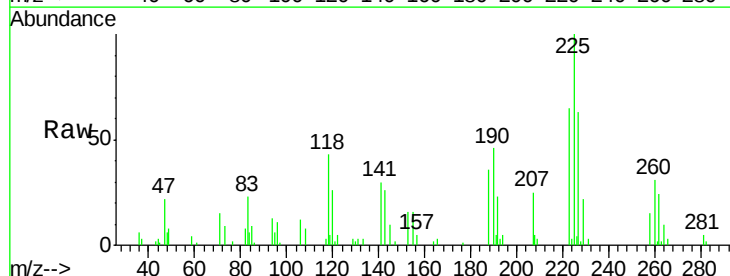
Manual Integrations
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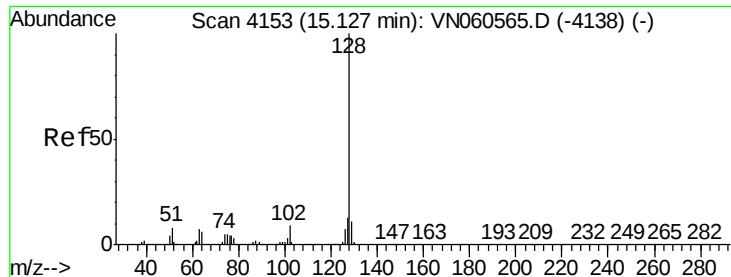
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#94
 Hexachlorobutadiene
 Concen: 20.338 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060925.D
 Acq: 14 Apr 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18928		
223	64.3	31.6	95.0	
227	64.2	32.3	96.8	





#95

Naphthalene

Concen: 17.507 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Instrument :

MSVOA_N

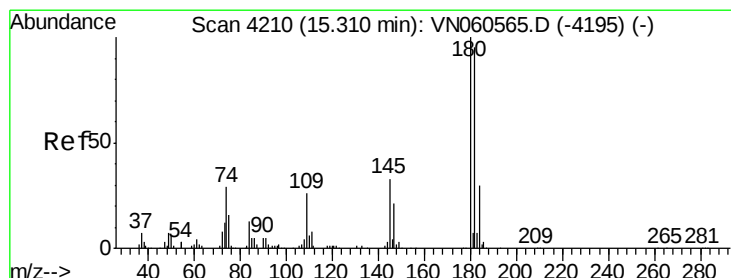
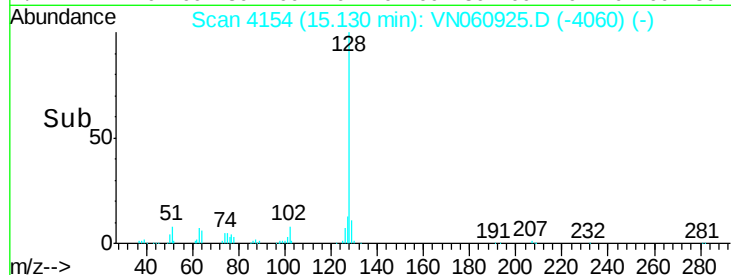
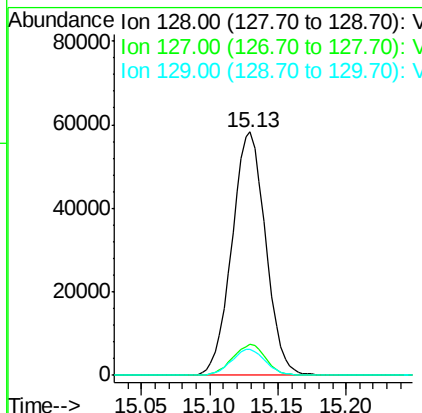
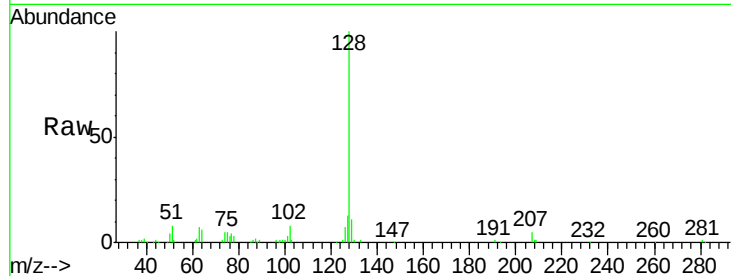
ClientSampleId :

VN0414WBS01

Tot Ion:	128	Resp:	99970
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.315 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060925.D

Acq: 14 Apr 2020 11:27

Tgt Ion:	180	Resp:	34248
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.6
145	31.9	16.3	48.8

