

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060324.D
 Acq On : 3 Mar 2020 13:11
 Operator : JC/MD
 Sample : VN0303WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:45:07 AM

Quant Time: Mar 04 02:09:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123552	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.57	113	85729	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	10.08	98	364156	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.40	95	133919	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32476	17.822	ug/l	100
3) Chloromethane	2.04	50	56984	17.962	ug/l	97
4) Vinyl Chloride	2.17	62	47985	17.636	ug/l	98
5) Bromomethane	2.55	94	17234	14.006	ug/l	95
6) Chloroethane	2.69	64	26001	17.638	ug/l	95
7) Trichlorofluoromethane	3.00	101	63549	18.281	ug/l	97
8) Diethyl Ether	3.39	74	24163	18.410	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35692	18.142	ug/l	98
10) Methyl Iodide	3.93	142	32197	17.932	ug/l	97
11) Tert butyl alcohol	4.73	59	33479	88.419	ug/l	100
12) 1,1-Dichloroethene	3.72	96	36054	18.834	ug/l	94
13) Acrolein	3.58	56	30782	87.143	ug/l	100
14) Allyl chloride	4.29	41	66481	18.883	ug/l	99
15) Acrylonitrile	4.95	53	94580	94.768	ug/l	99
16) Acetone	3.78	43	78124	94.872	ug/l	98
17) Carbon Disulfide	4.03	76	92727	17.847	ug/l	100
18) Methyl Acetate	4.29	43	47143	17.155	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	132084	19.053	ug/l	99
20) Methylene Chloride	4.52	84	41417	18.314	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	38217	18.359	ug/l	97
22) Diisopropyl ether	5.92	45	138217	19.382	ug/l	96
23) Vinyl Acetate	5.86	43	542796	95.787	ug/l	99
24) 1,1-Dichloroethane	5.82	63	76008	18.829	ug/l	99
25) 2-Butanone	6.80	43	127145	95.591	ug/l	97
26) 2,2-Dichloropropane	6.80	77	68674	18.687	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	46807	17.849	ug/l	99
28) Bromochloromethane	7.17	49	29906	18.044	ug/l	99
29) Tetrahydrofuran	7.18	42	86855	93.906	ug/l	99
30) Chloroform	7.35	83	76488	19.034	ug/l	100
31) Cyclohexane	7.63	56	69334	19.304	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	68161	19.144	ug/l	100
36) 1,1-Dichloropropene	7.77	75	56102	17.963	ug/l	99
37) Ethyl Acetate	6.90	43	56169	18.993	ug/l	99
38) Carbon Tetrachloride	7.75	117	55835	18.362	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65783	17.864	ug/l	97
40) Benzene	8.02	78	167884	18.469	ug/l	99
41) Methacrylonitrile	7.14	41	22549m	16.514	ug/l	
42) 1,2-Dichloroethane	8.10	62	61022	18.603	ug/l	99
43) Isopropyl Acetate	8.14	43	98834	19.090	ug/l	99
44) Trichloroethene	8.82	130	45939	18.145	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46434	19.537	ug/l	100
46) Dibromomethane	9.19	93	28638	18.570	ug/l	99
47) Bromodichloromethane	9.39	83	60147	19.177	ug/l	100
48) Methyl methacrylate	9.18	41	41880	17.739	ug/l	99
49) 1,4-Dioxane	9.18	88	10487	315.870	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	279902	95.354	ug/l	99
52) Toluene	10.14	92	105558	18.486	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69046	17.966	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73078	18.350	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41770	18.190	ug/l	99
56) Ethyl methacrylate	10.42	69	60660	18.387	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71277	19.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162453	94.154	ug/l	99
59) 2-Hexanone	10.74	43	198087	91.910	ug/l	100
60) Dibromochloromethane	10.89	129	44287	18.965	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41453	18.518	ug/l	97
64) Tetrachloroethene	10.62	164	48855	19.972	ug/l	98
65) Chlorobenzene	11.43	112	109188	18.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42272	18.999	ug/l	99
67) Ethyl Benzene	11.51	91	203084	18.532	ug/l	99
68) m/p-Xylenes	11.62	106	150233	36.337	ug/l	99
69) o-Xylene	11.94	106	72919	18.495	ug/l	99
70) Styrene	11.96	104	115781	17.862	ug/l	99
71) Bromoform	12.12	173	29995	18.706	ug/l #	100
73) Isopropylbenzene	12.25	105	199445	18.725	ug/l	100
74) N-amyl acetate	12.07	43	83778	18.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55013	19.001	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53139m	16.854	ug/l	
77) Bromobenzene	12.52	156	47707	18.273	ug/l	100
78) n-propylbenzene	12.59	91	229906	18.415	ug/l	100
79) 2-Chlorotoluene	12.67	91	135766	18.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	166371	18.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21578	18.893	ug/l #	83
82) 4-Chlorotoluene	12.77	91	138450	17.906	ug/l	99
83) tert-Butylbenzene	12.99	119	145726	18.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	165260	18.258	ug/l	98
85) sec-Butylbenzene	13.17	105	192882	18.551	ug/l	100
86) p-Isopropyltoluene	13.28	119	175553	18.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84497	18.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83725	18.552	ug/l	98
89) n-Butylbenzene	13.61	91	156847	17.755	ug/l	99
90) Hexachloroethane	13.87	117	23363	16.773	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82795	18.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11895	18.143	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53961	18.618	ug/l	99
94) Hexachlorobutadiene	15.01	225	26644	19.591	ug/l	99
95) Naphthalene	15.13	128	153736	17.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50974	18.505	ug/l	98

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

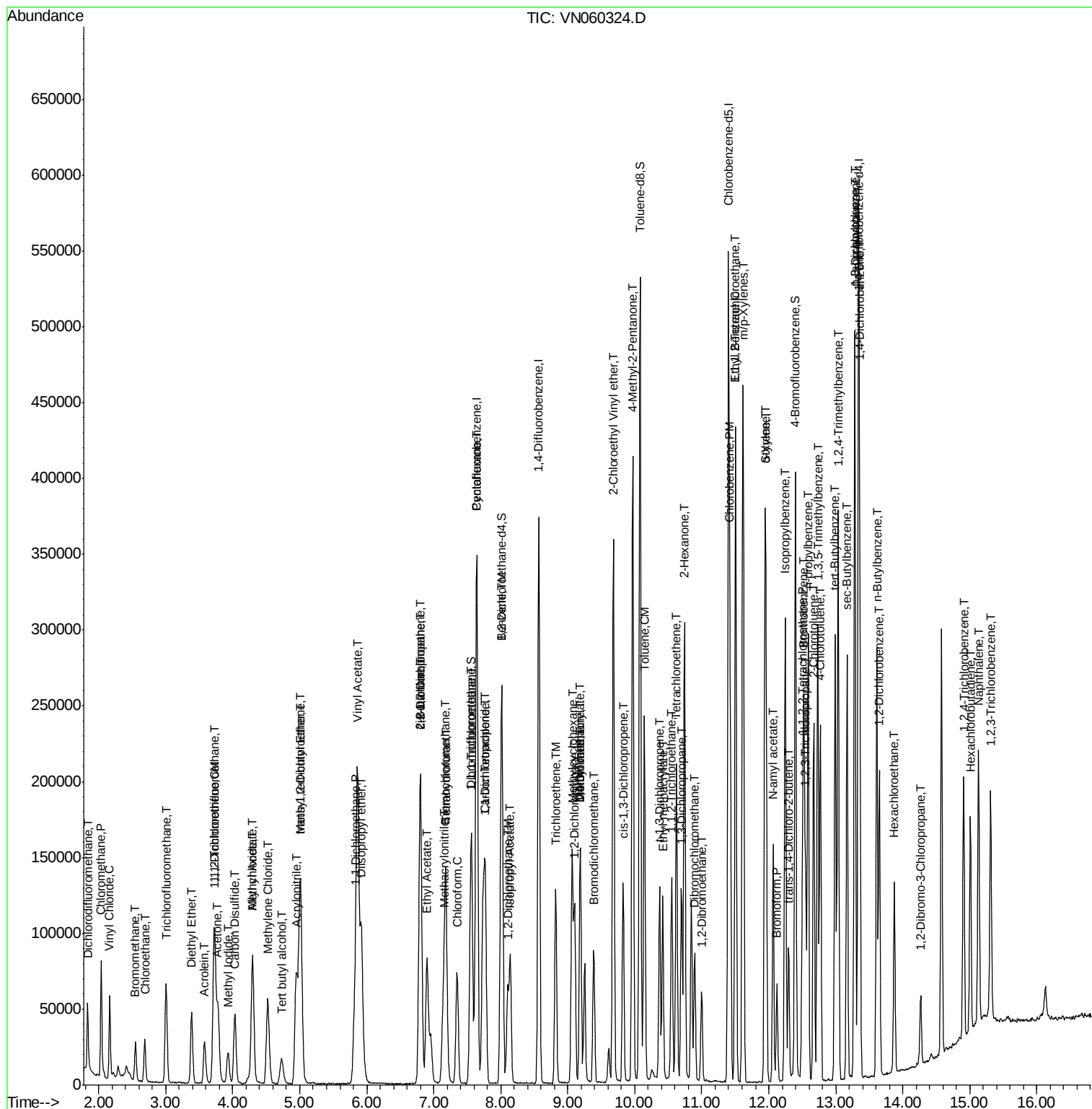
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
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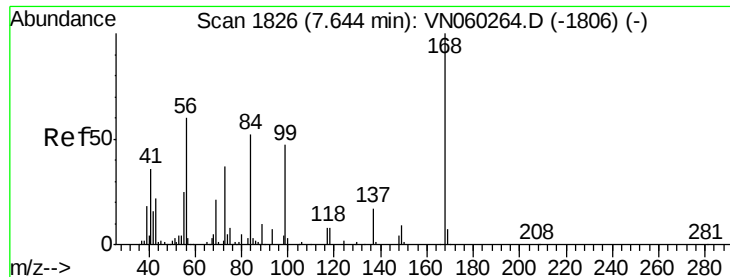
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion:168 Resp: 198749

Ion Ratio Lower Upper

168 100

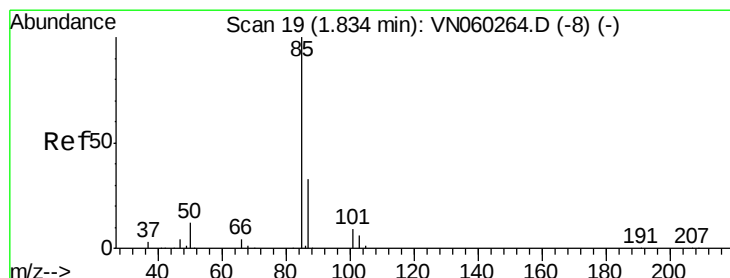
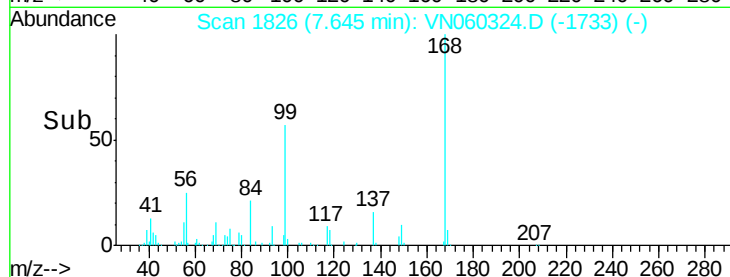
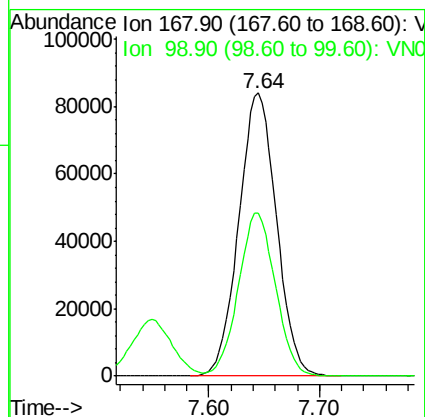
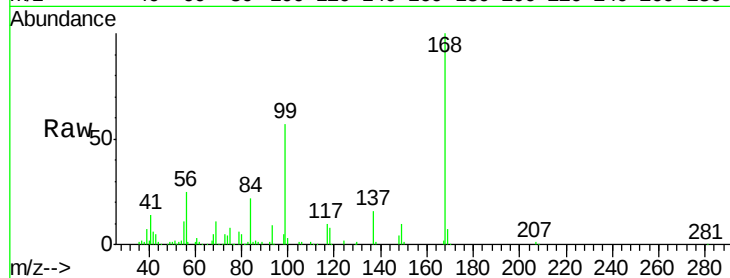
99 57.4 44.7 67.1

Manual Integrations

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3/4/2020 10:45:07 AM



#2

Dichlorodifluoromethane

Concen: 17.822 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060324.D

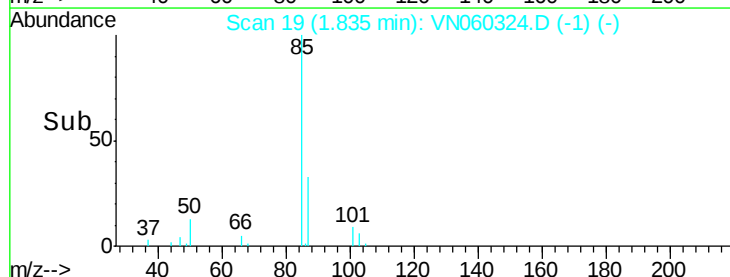
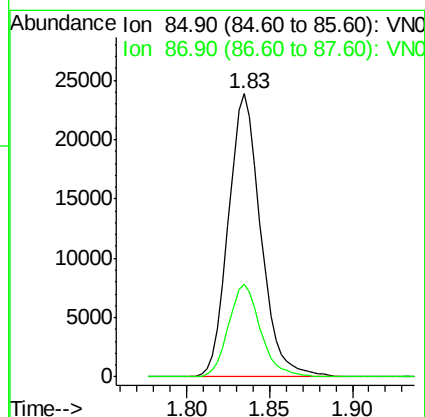
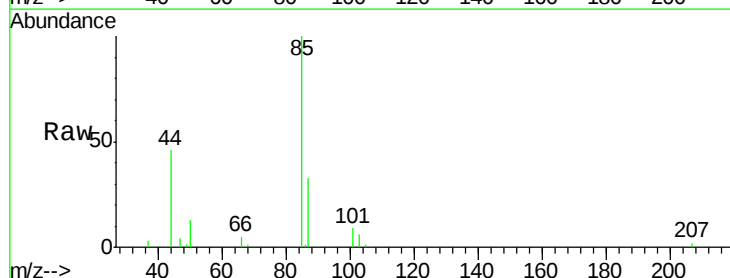
Acq: 3 Mar 2020 13:11

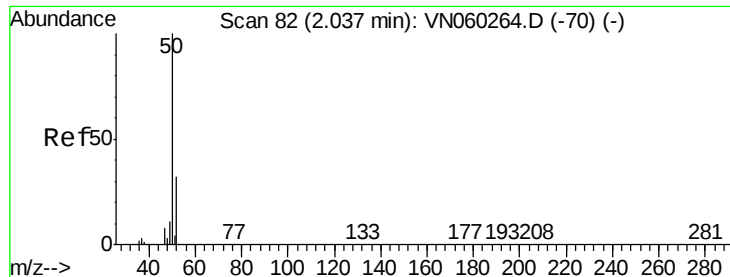
Tgt Ion: 85 Resp: 32476

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9





#3

Chloromethane

Concen: 17.962 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0303WBSD01

Tot Ion: 50 Resp: 56984

Ion Ratio Lower Upper

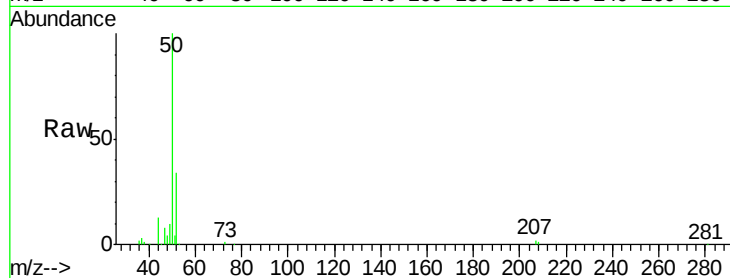
50 100

52 33.6 25.6 38.4

Manual Integrations
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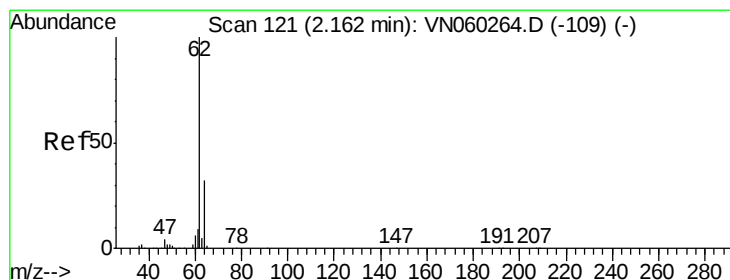
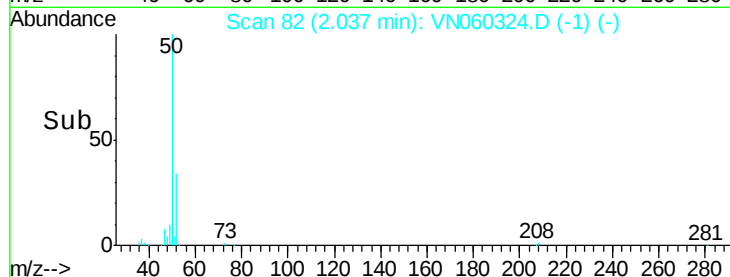
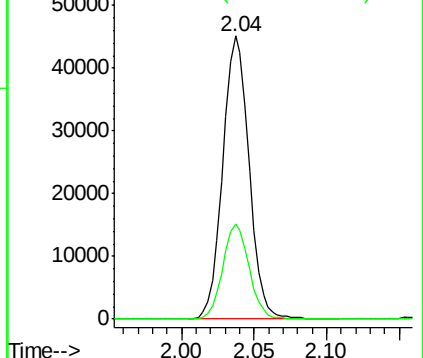
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.636 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060324.D

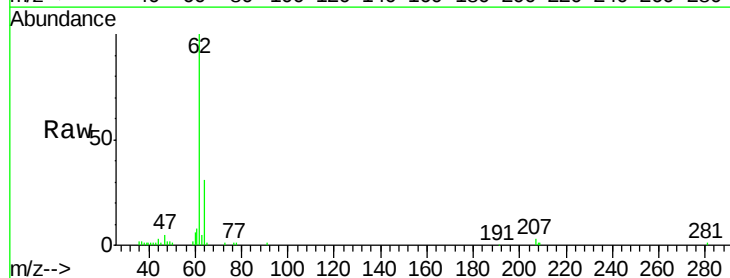
Acq: 3 Mar 2020 13:11

Tgt Ion: 62 Resp: 47985

Ion Ratio Lower Upper

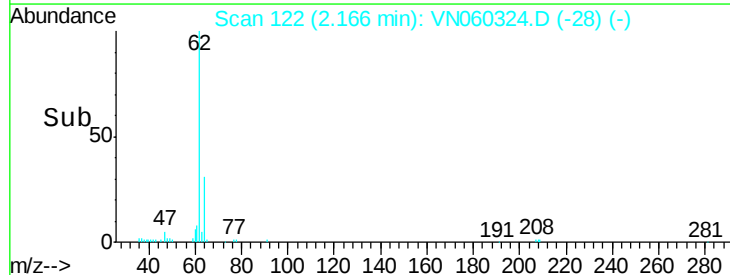
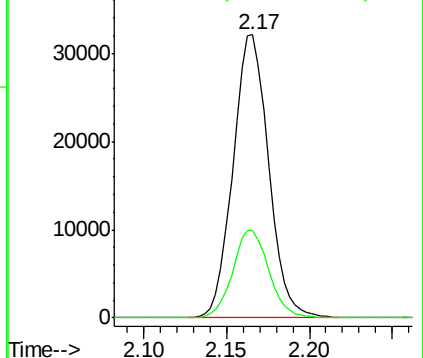
62 100

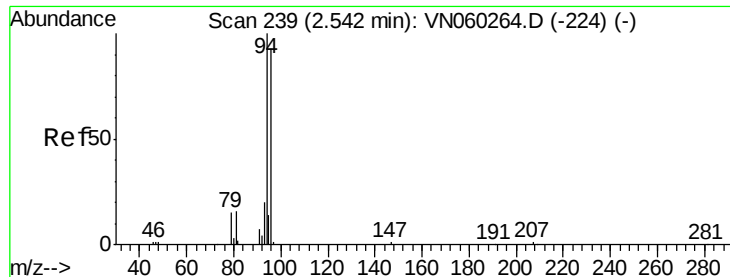
64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.006 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0303WBSD01

Tot Ion: 94 Resp: 17234

Ion Ratio Lower Upper

94 100

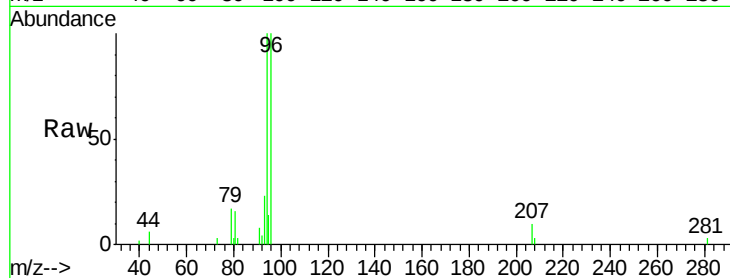
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Manual Integrations

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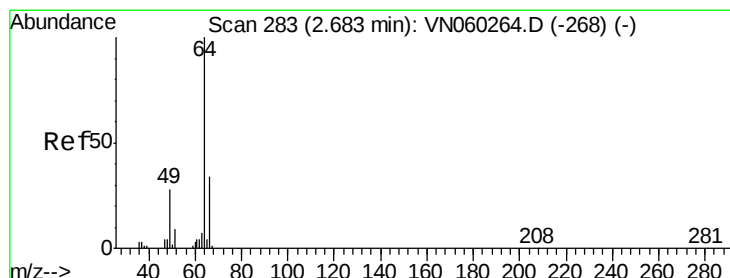
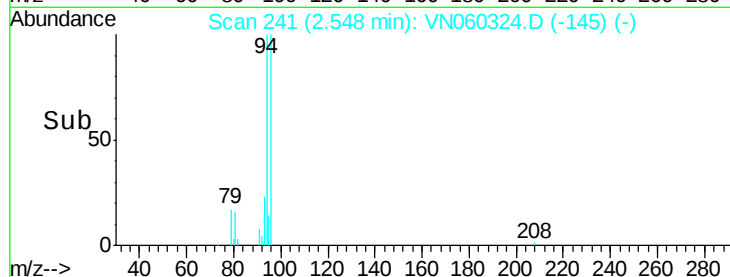
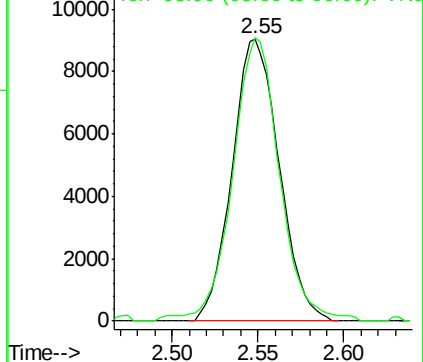
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.638 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060324.D

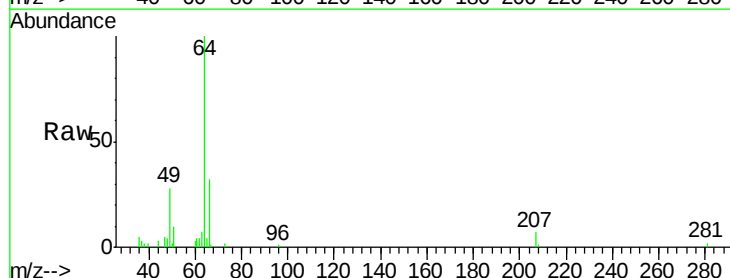
Acq: 3 Mar 2020 13:11

Tgt Ion: 64 Resp: 26001

Ion Ratio Lower Upper

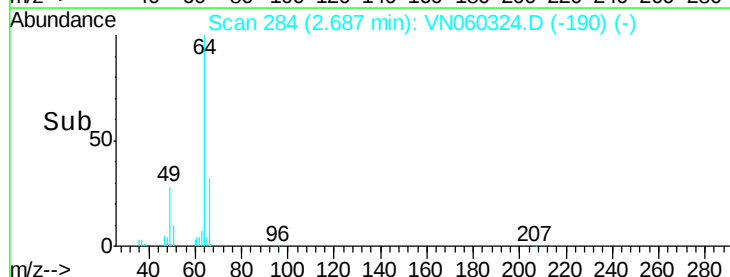
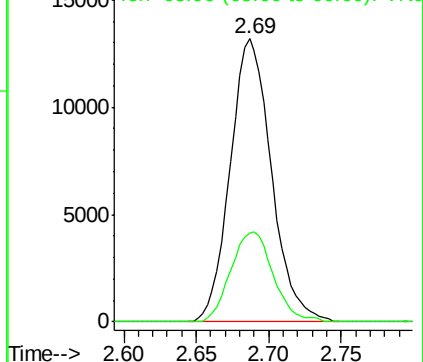
64 100

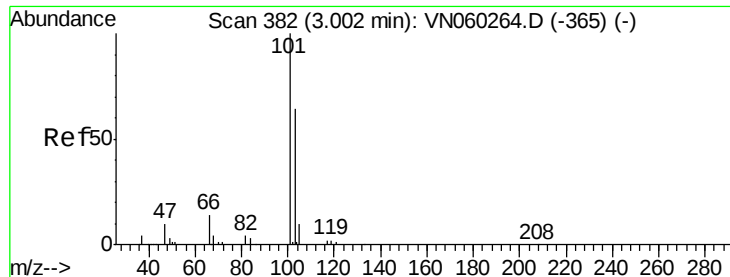
66 31.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

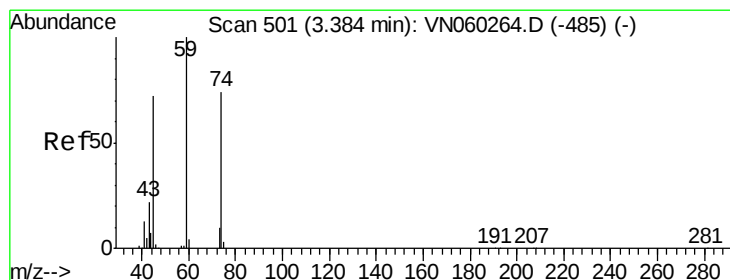
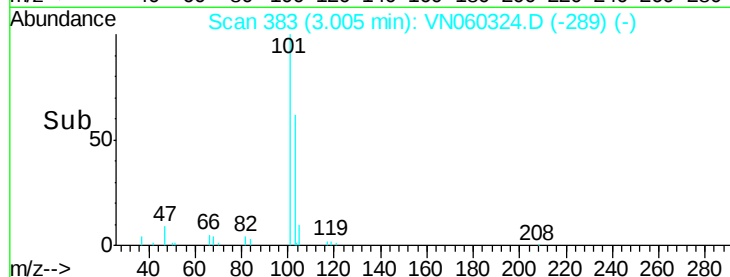
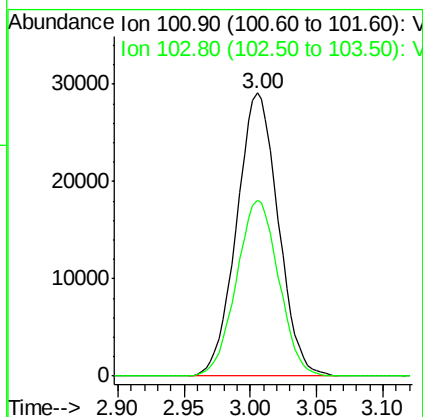
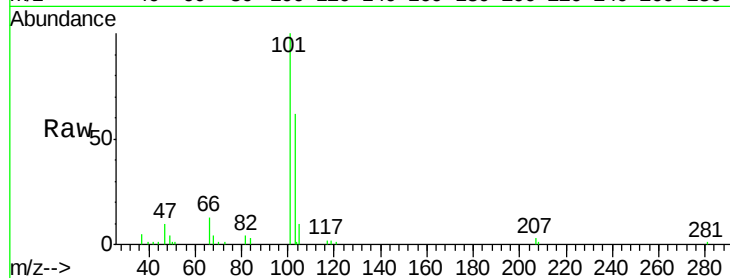
Trichlorofluoromethane
 Concen: 18.281 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060324.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.3	76.9

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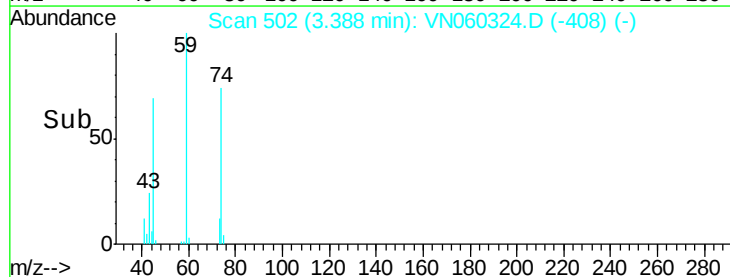
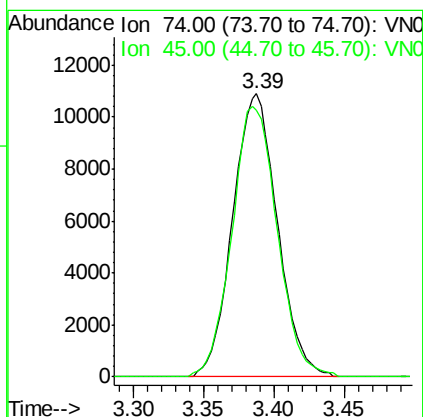
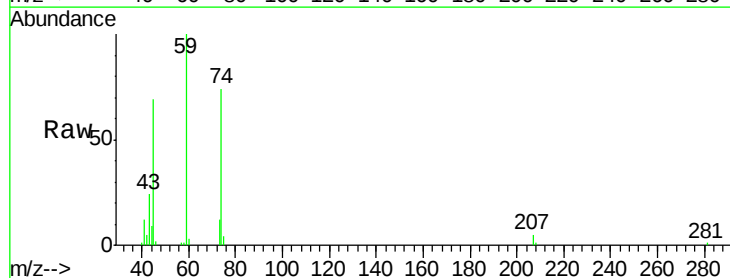
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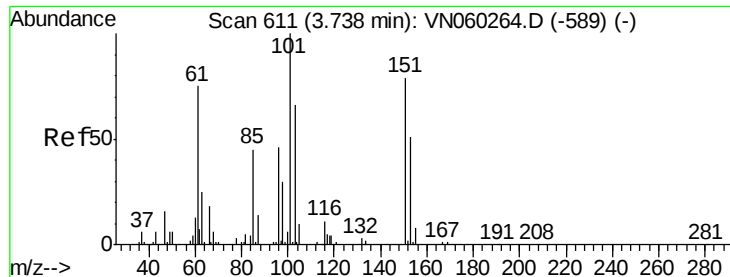


#8

Diethyl Ether
 Concen: 18.410 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.142 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

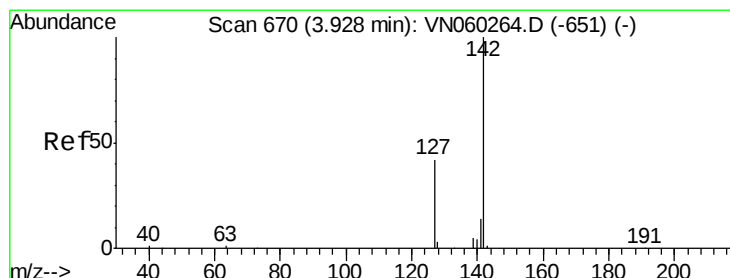
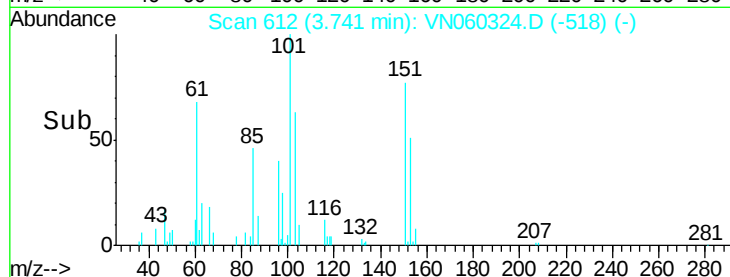
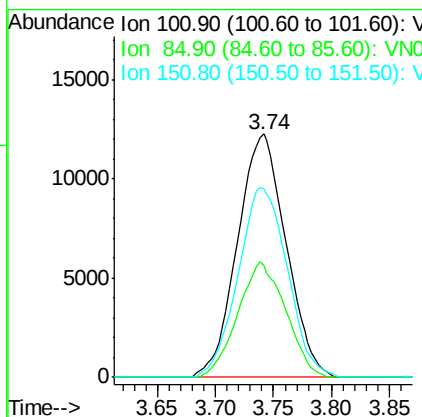
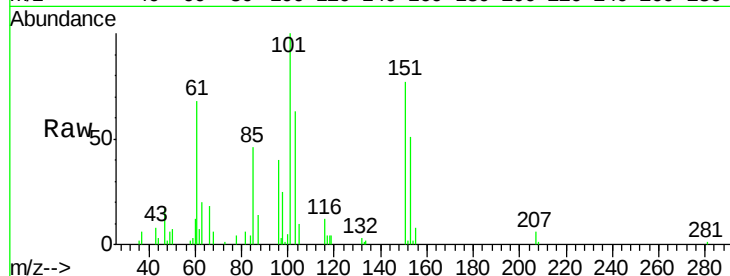
ClientSampled :

VN0303WBSD01

Tot Ion:	101	Resp:	35692
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.4	53.2
151	79.0	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.932 ug/l

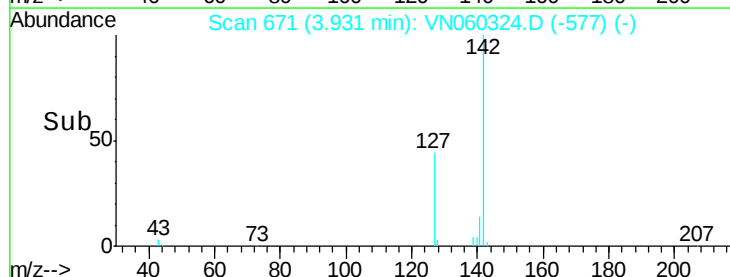
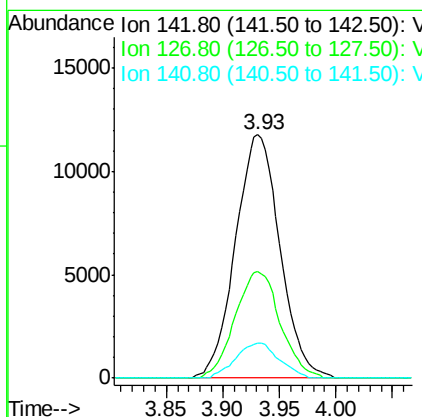
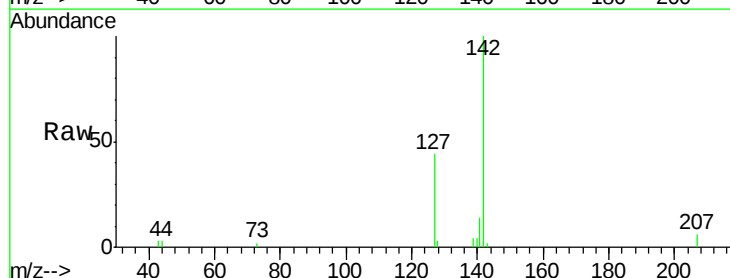
RT: 3.93 min Scan# 671

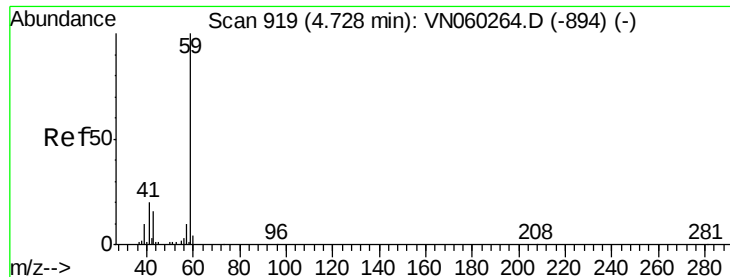
Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion:	142	Resp:	32197
Ion Ratio	Lower	Upper	
142	100		
127	44.5	33.8	50.6
141	14.0	11.1	16.7





#11

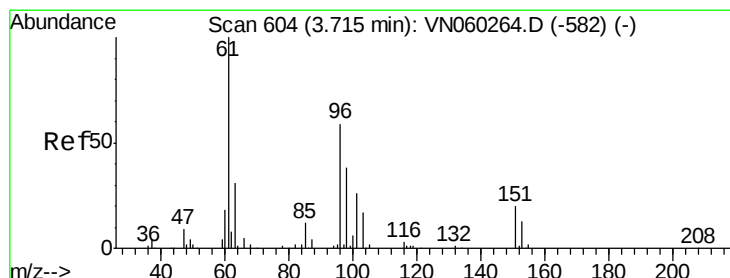
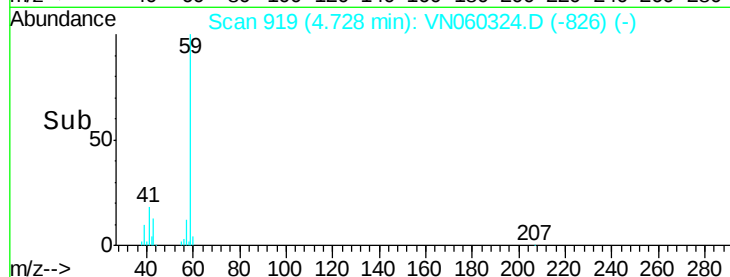
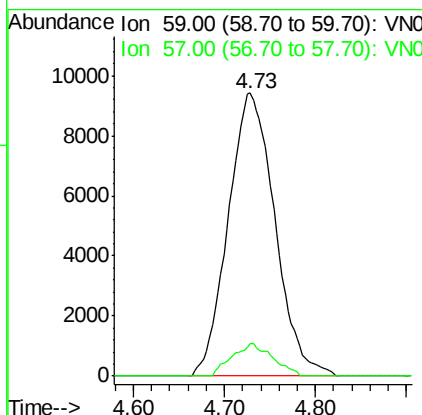
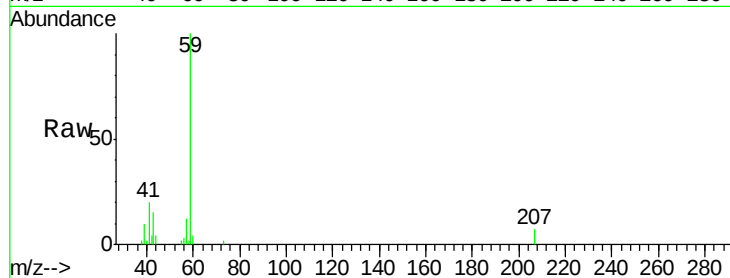
Tert butyl alcohol
 Concen: 88.419 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	59	57	Ratio	100	10.1	Resp	33479	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.1	Resp	33479	Lower	8.2	Upper	12.2

Manual Integrations
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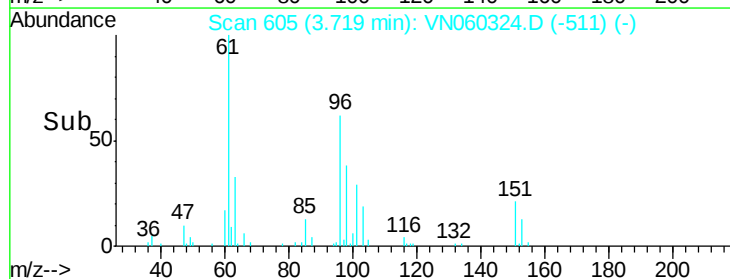
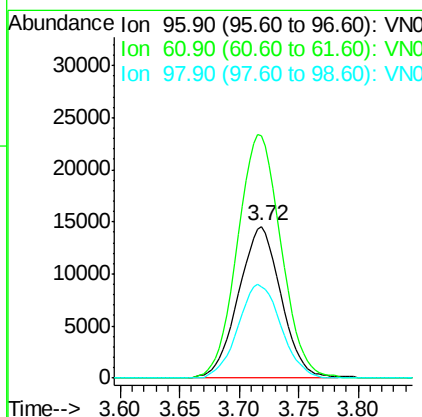
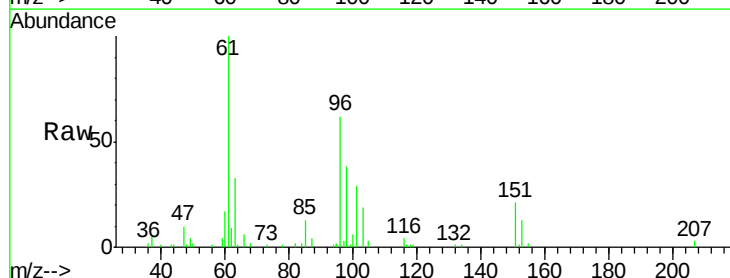
MMDadoda
 3/4/2020 10:45:07 AM

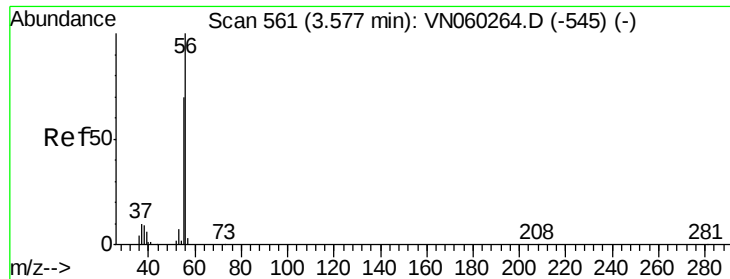


#12

1,1-Dichloroethene
 Concen: 18.834 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	96	61	98	Ratio	100	160.1	60.6	Resp	36054	Lower	135.4	Upper	203.0	77.4
Ion	96	61	98	Ratio	100	160.1	60.6	Resp	36054	Lower	135.4	Upper	203.0	77.4





#13

Acrolein

Concen: 87.143 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 56 Resp: 30782

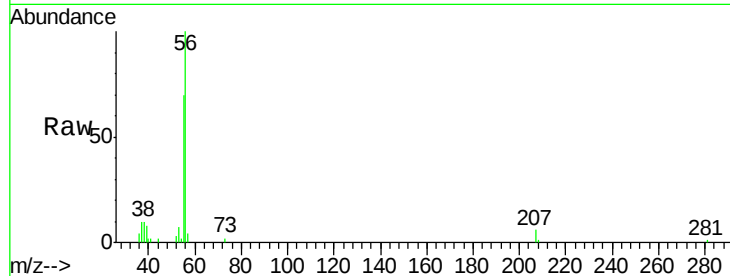
Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.0

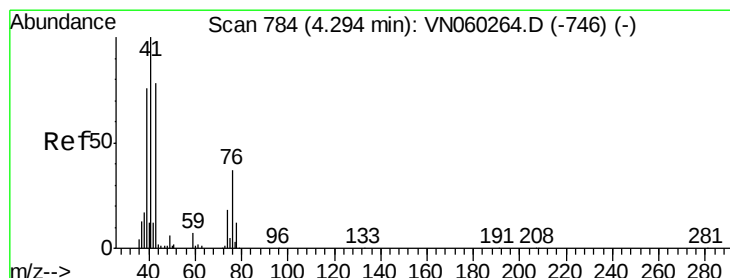
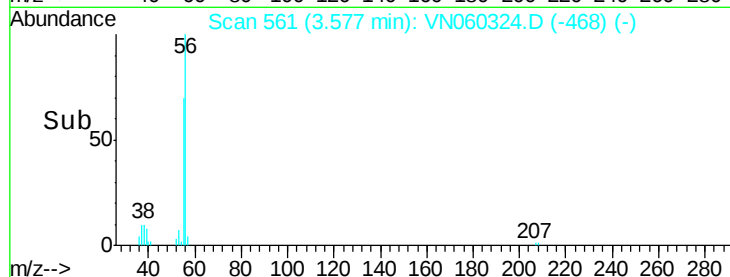
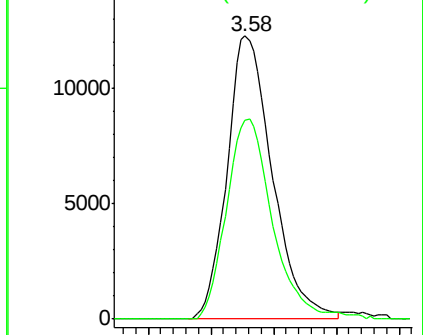
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.883 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

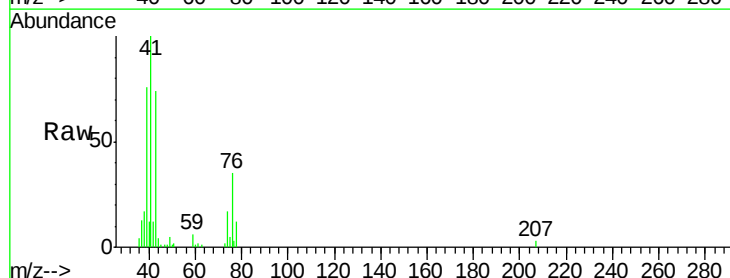
Tgt Ion: 41 Resp: 66481

Ion Ratio Lower Upper

41 100

39 70.6 55.4 83.2

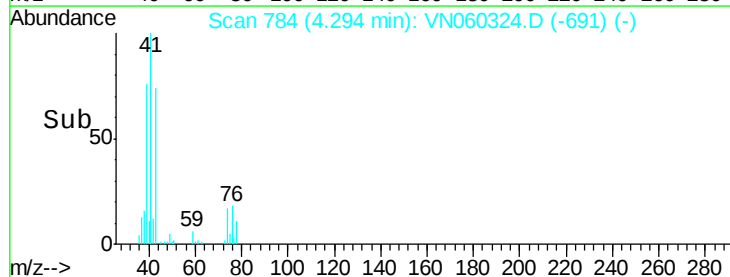
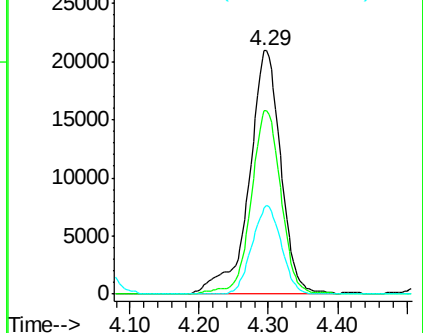
76 33.2 27.0 40.6

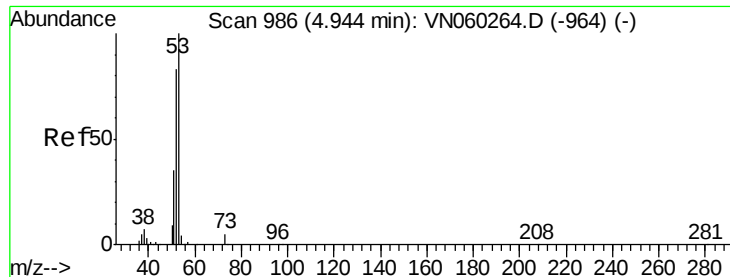


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.768 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

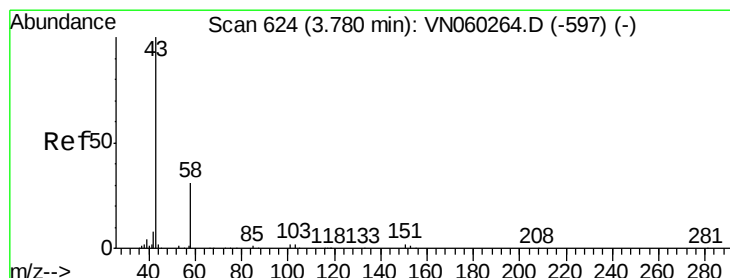
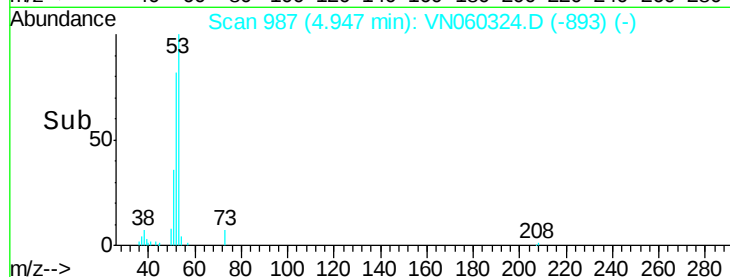
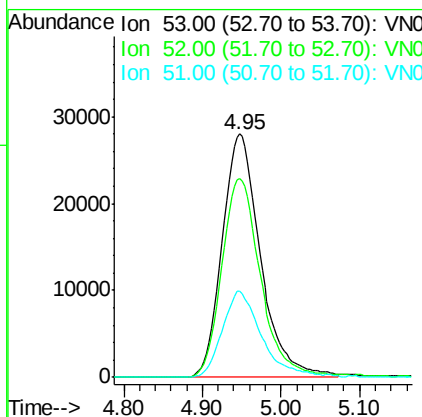
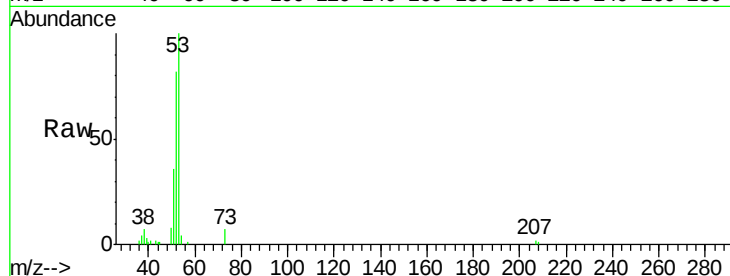
ClientSampled :

VN0303WBSD01

Tot Ion:	53	Resp:	94580
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.1	29.0	43.6

Manual Integrations
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3/4/2020 10:45:07 AM



#16

Acetone

Concen: 94.872 ug/l

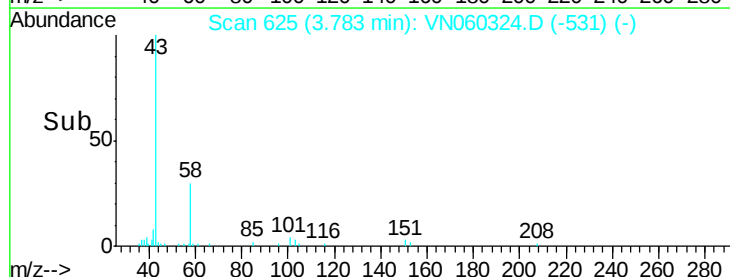
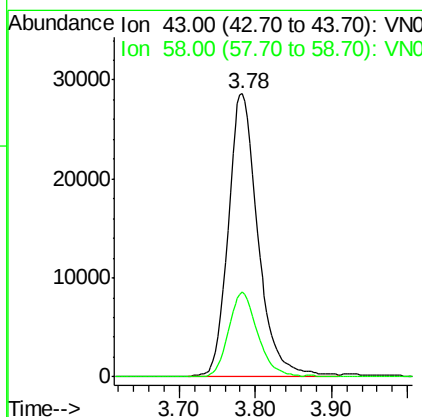
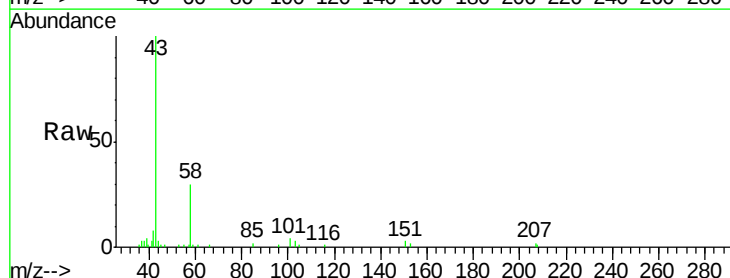
RT: 3.78 min Scan# 625

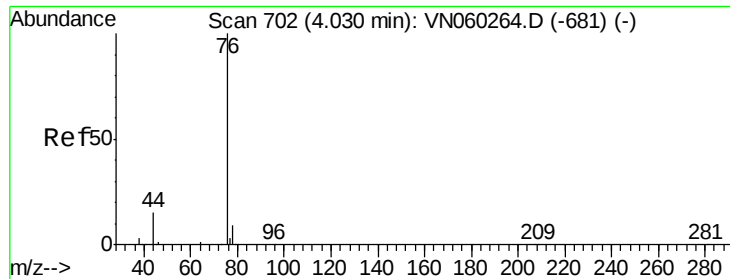
Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion:	43	Resp:	78124
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





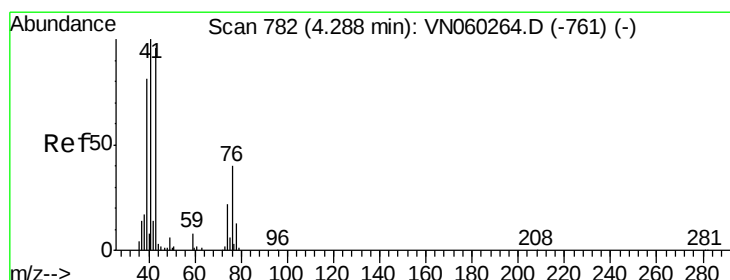
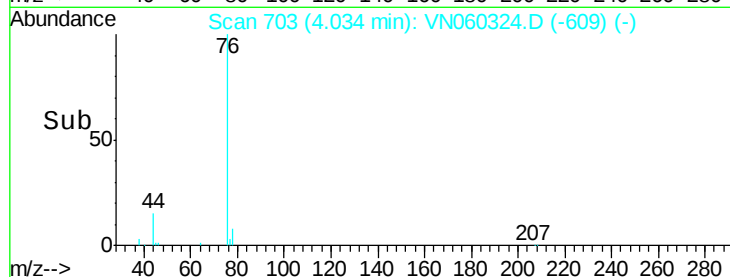
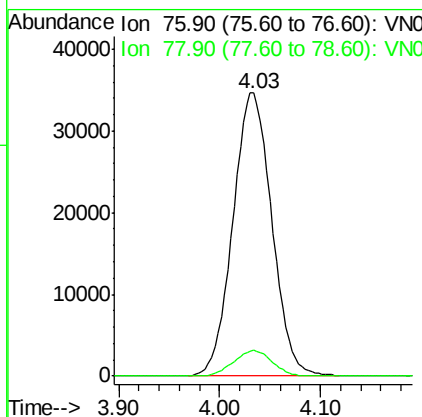
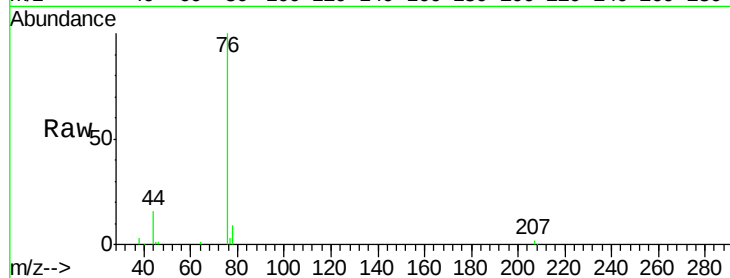
#17
Carbon Disulfide
Concen: 17.847 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

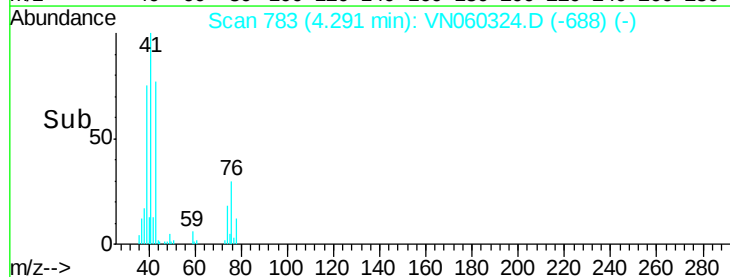
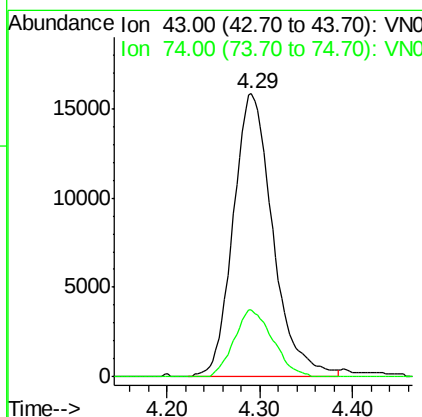
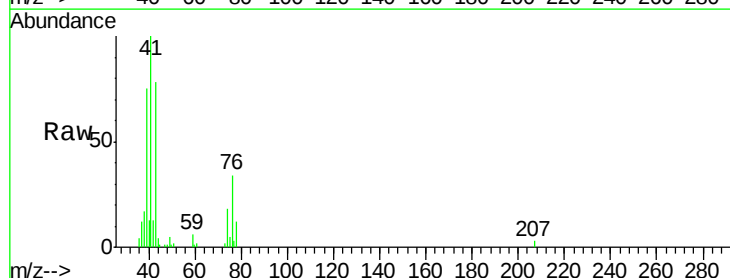
Manual Integrations
APPROVED

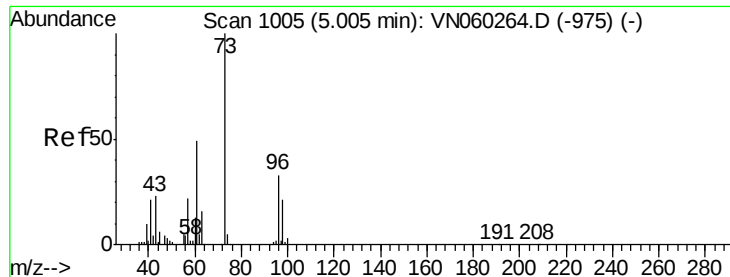
MMDadoda
3/4/2020 10:45:07 AM



#18
Methyl Acetate
Concen: 17.155 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.8	28.2





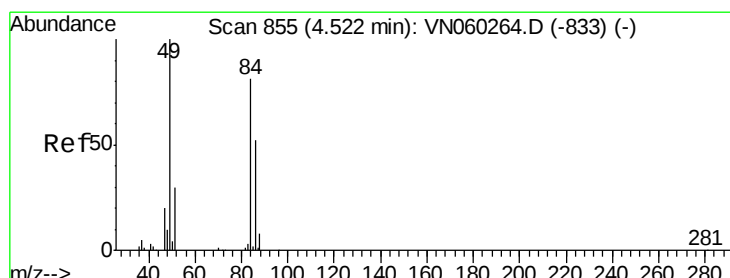
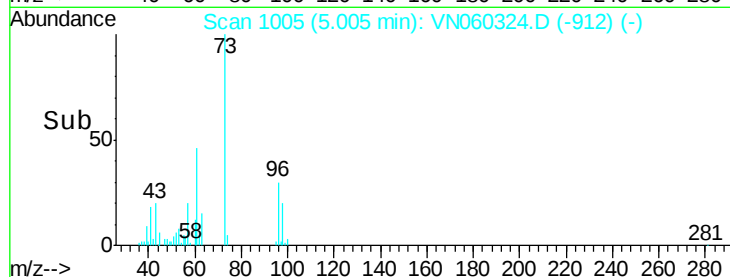
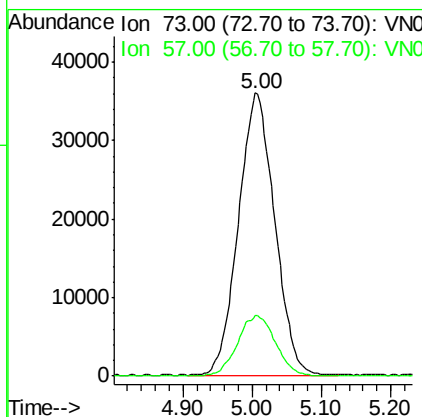
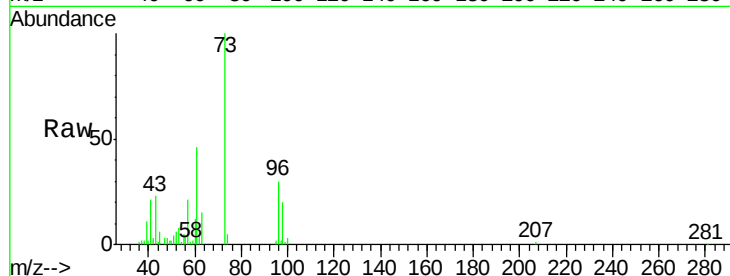
#19
Methvl tert-butvl Ether
Concen: 19.053 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	73	Resp	132084
Ion Ratio	Lower	Upper	
73	100		
57	21.2	17.3	25.9

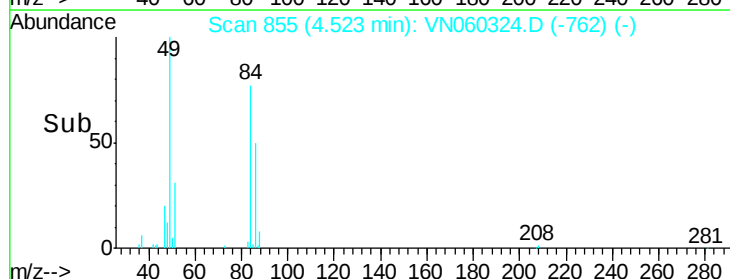
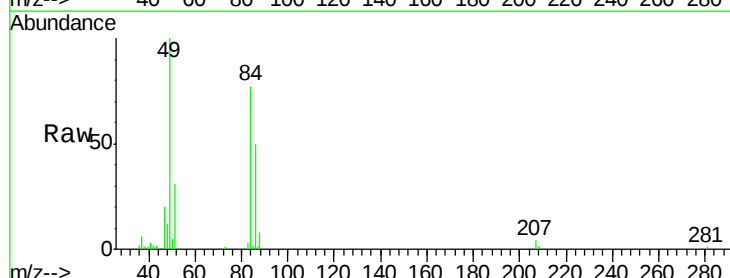
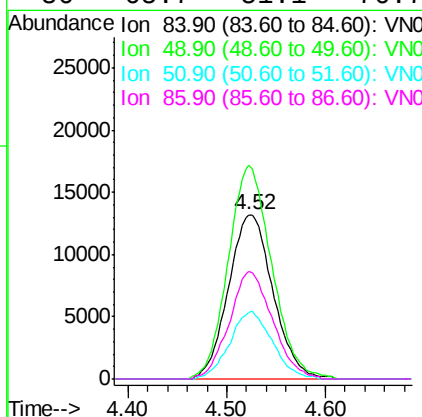
Manual Integrations
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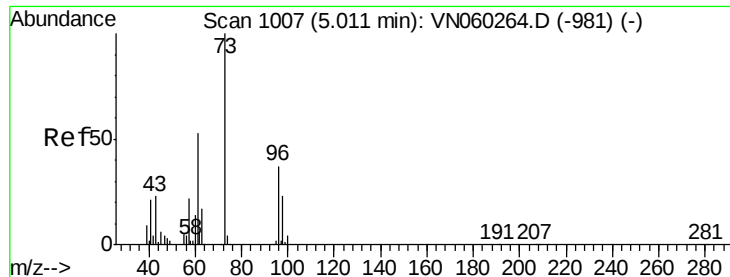
MMDadoda
3/4/2020 10:45:07 AM



#20
Methylene Chloride
Concen: 18.314 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	84	Resp	41417
Ion Ratio	Lower	Upper	
84	100		
49	130.2	99.3	148.9
51	40.8	30.1	45.1
86	65.7	51.1	76.7





#21

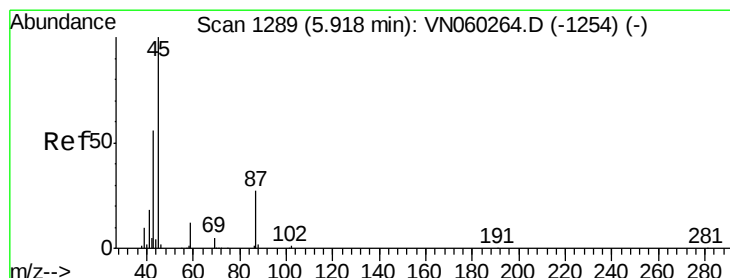
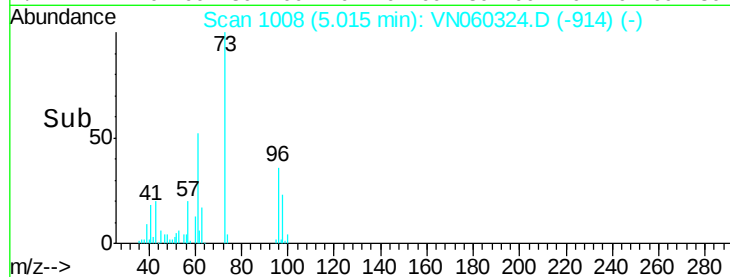
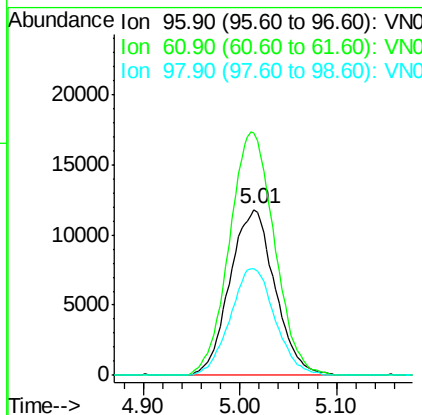
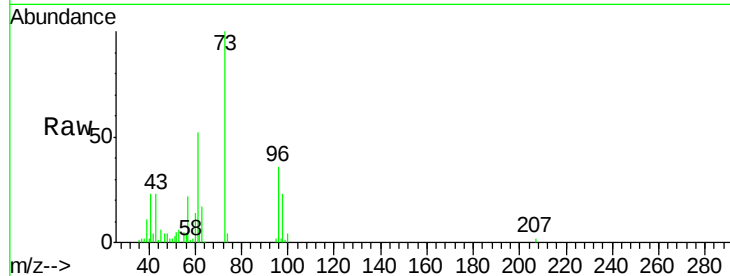
trans-1,2-Dichloroethene
Concen: 18.359 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	113.8	170.8
98	64.2	48.8	73.2

Manual Integrations
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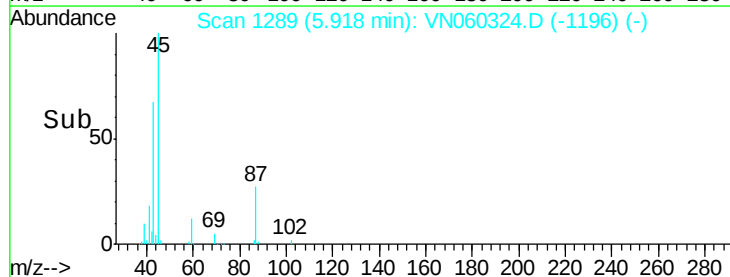
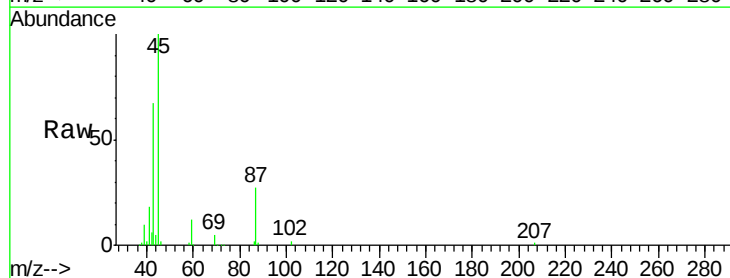
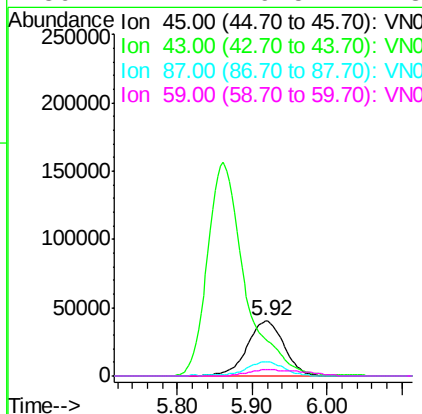
MMDadoda
3/4/2020 10:45:07 AM

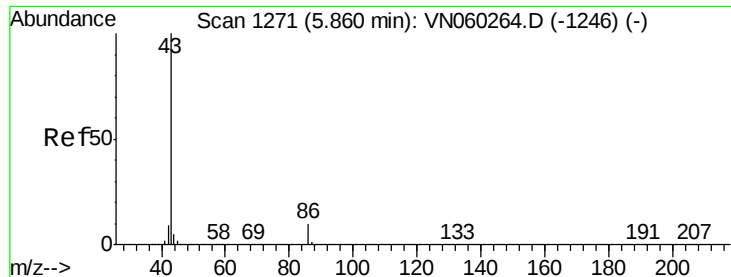


#22

Diisopropyl ether
Concen: 19.382 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	48.6	72.8
87	26.6	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 95.787 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleID :

VN0303WBSD01

Tot Ion: 43 Resp: 542796

Ion Ratio Lower Upper

43 100

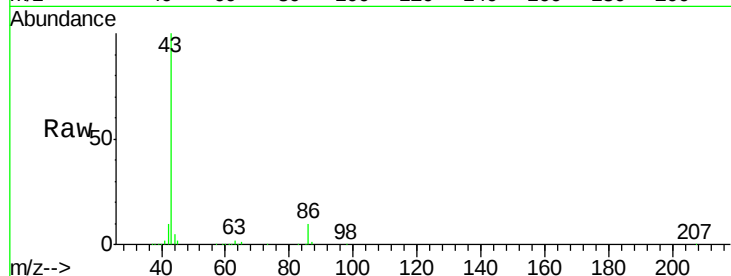
86 9.6 8.0 12.0

Manual Integrations

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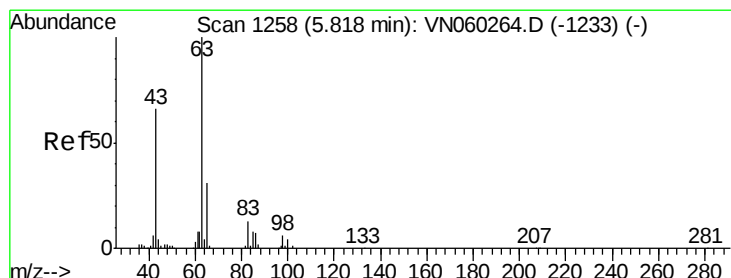
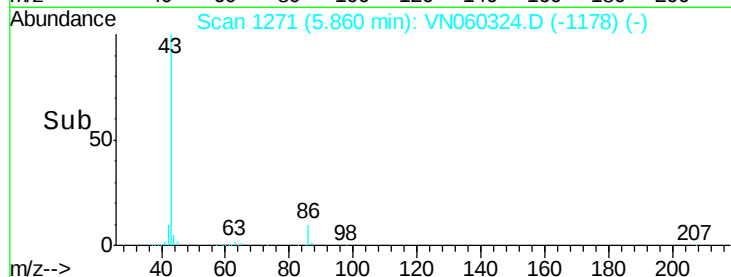
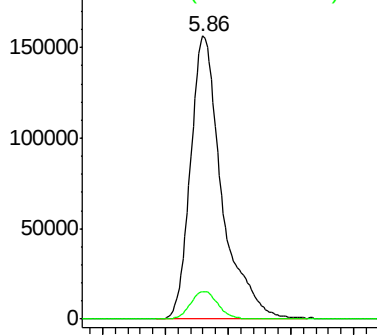
MMDadoda

3/4/2020 10:45:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.829 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

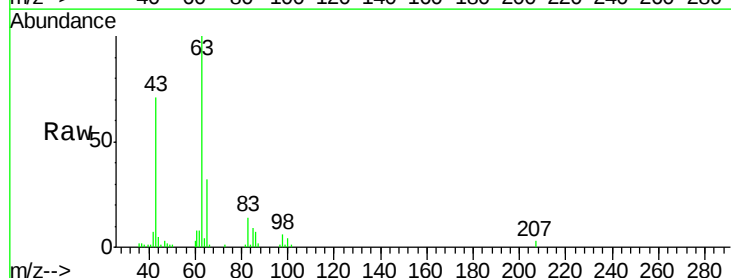
Tgt Ion: 63 Resp: 76008

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

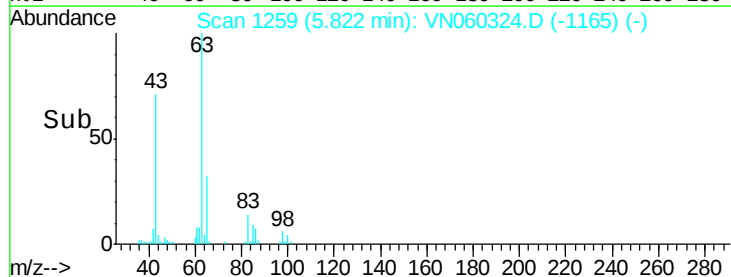
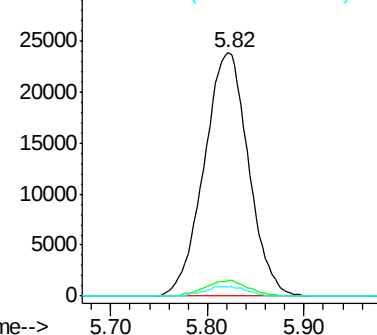
100 3.7 2.0 6.0

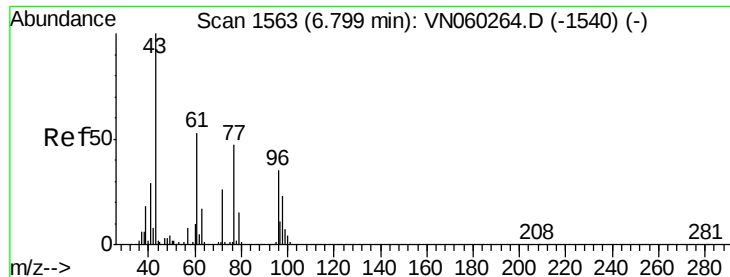


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.591 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 43 Resp: 127145

Ion Ratio Lower Upper

43 100

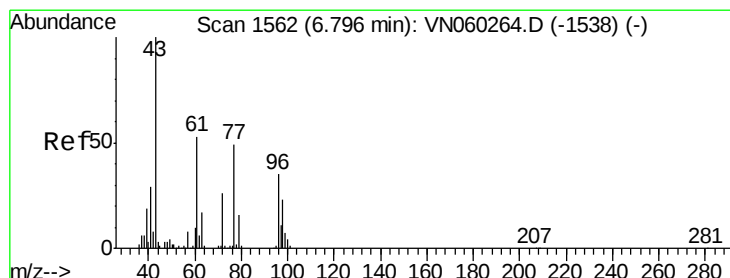
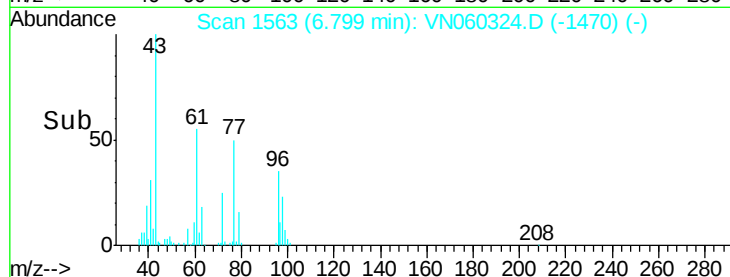
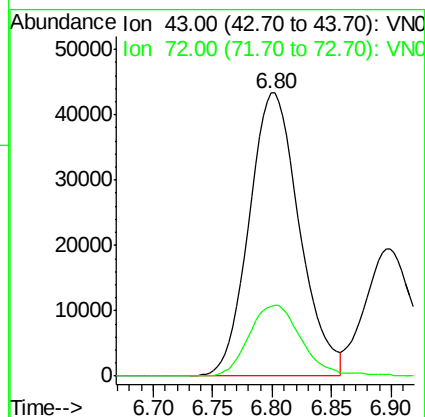
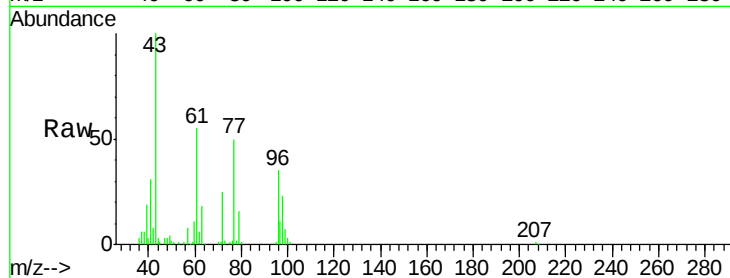
72 24.6 20.9 31.3

Manual Integrations

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MMDadoda

3/4/2020 10:45:07 AM



#26

2,2-Dichloropropane

Concen: 18.687 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060324.D

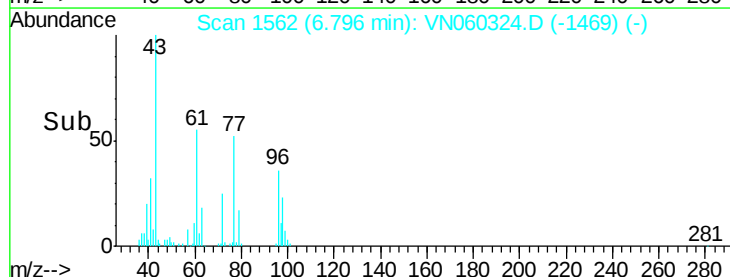
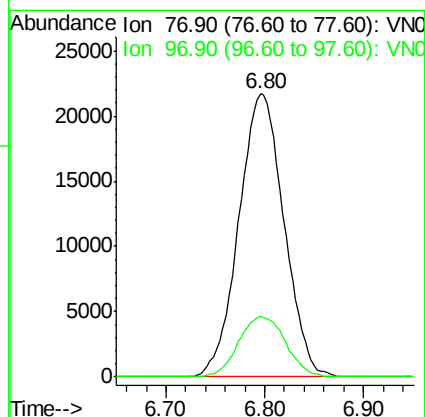
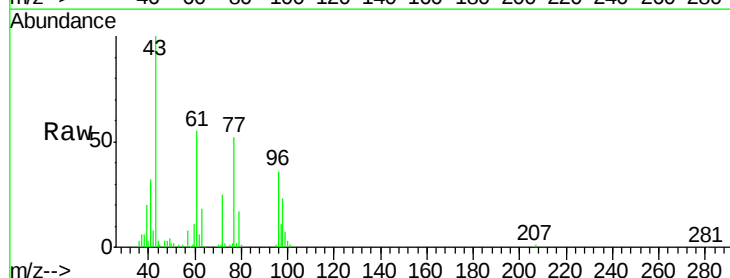
Acq: 3 Mar 2020 13:11

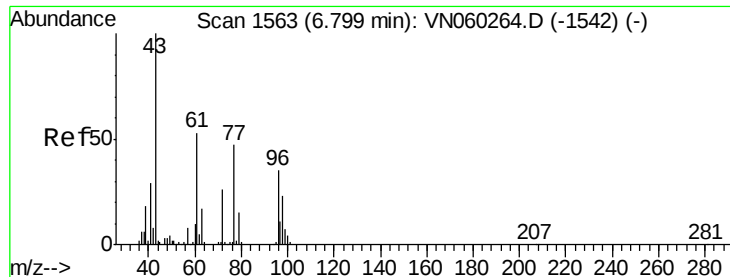
Tgt Ion: 77 Resp: 68674

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.849 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

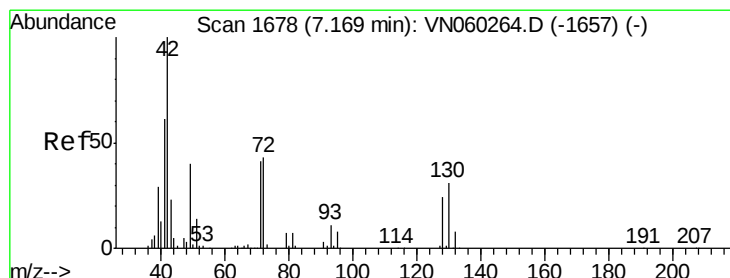
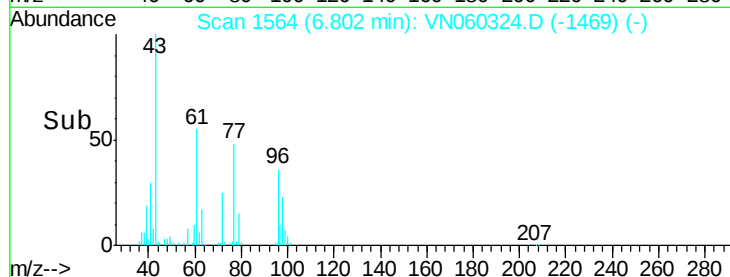
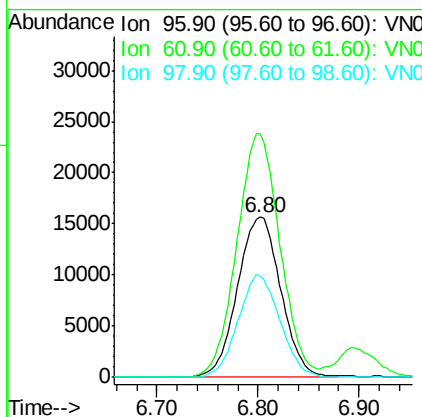
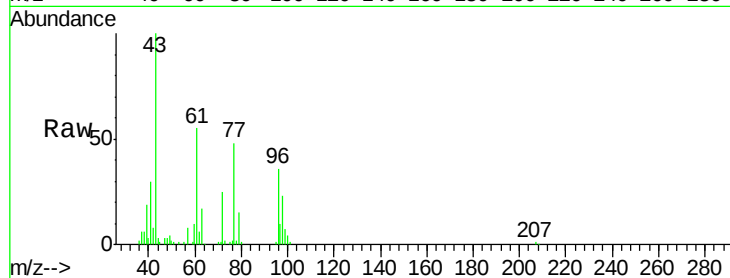
ClientSampleId :

VN0303WBSD01

Tot Ion:	96	Resp:	46807
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	300.8
98	61.6	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.044 ug/l

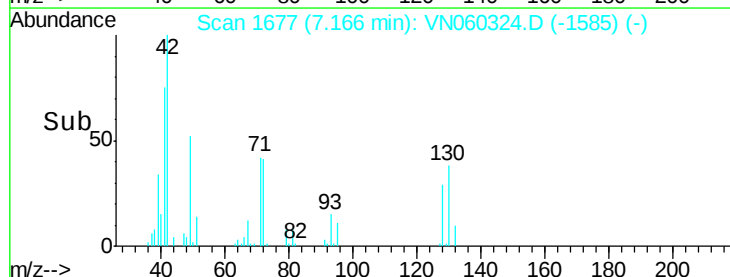
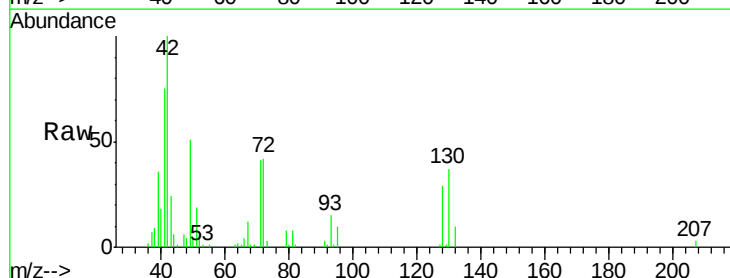
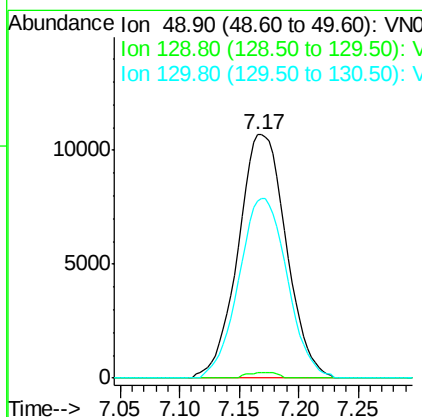
RT: 7.17 min Scan# 1677

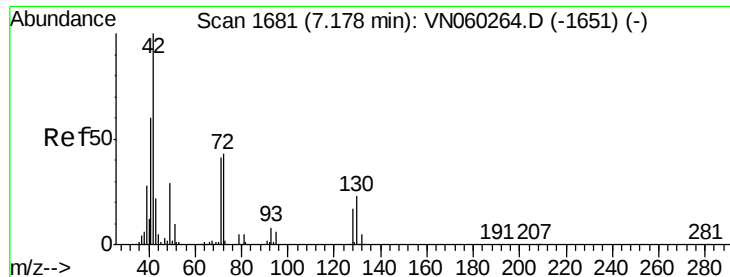
Delta R.T. -0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion:	49	Resp:	29906
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	74.2	59.8	89.8





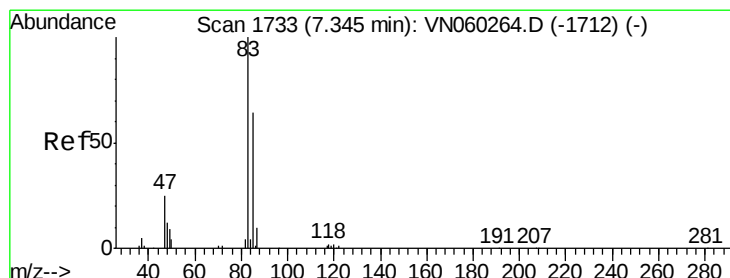
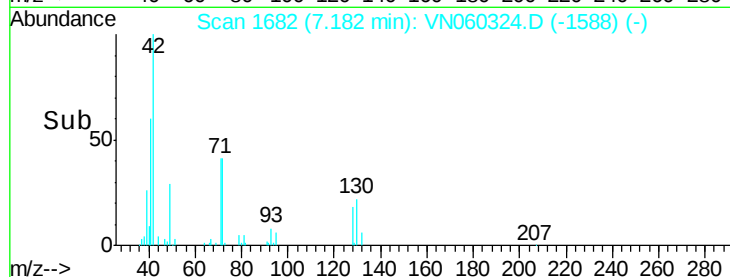
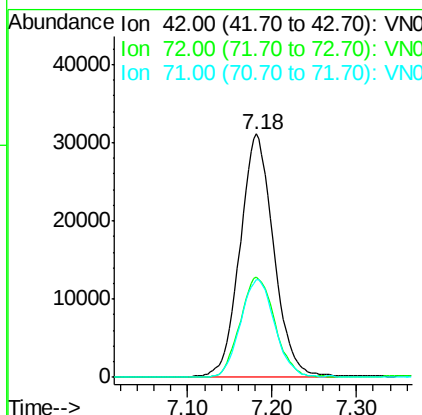
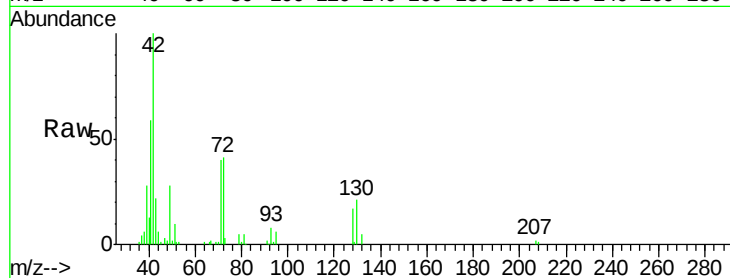
#29
Tetrahydrofuran
Concen: 93.906 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	52.0
71	40.7	32.9	49.3

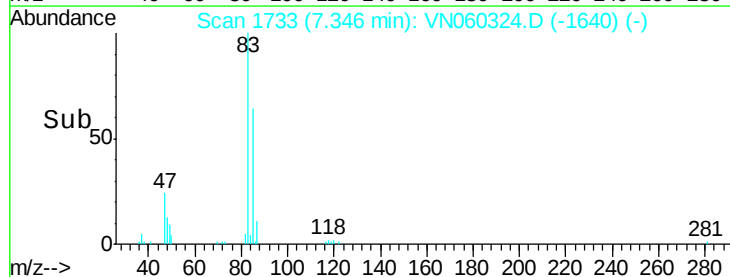
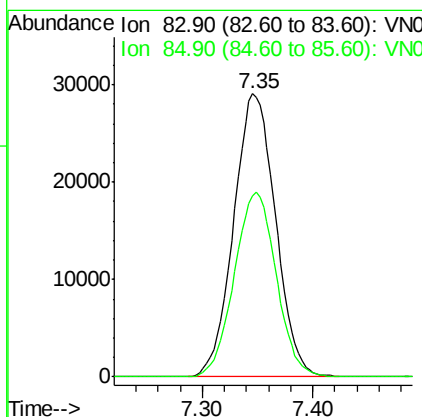
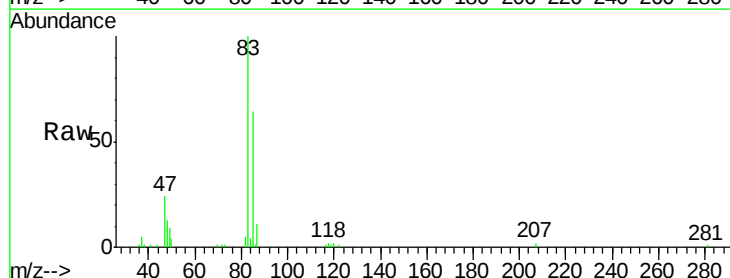
Manual Integrations
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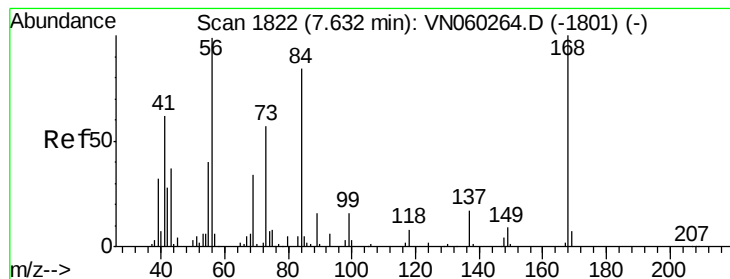
MMDadoda
3/4/2020 10:45:07 AM



#30
Chloroform
Concen: 19.034 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2





#31

Cyclohexane

Concen: 19.304 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 56 Resp: 69334

Ion Ratio Lower Upper

56 100

69 38.6 27.2 40.8

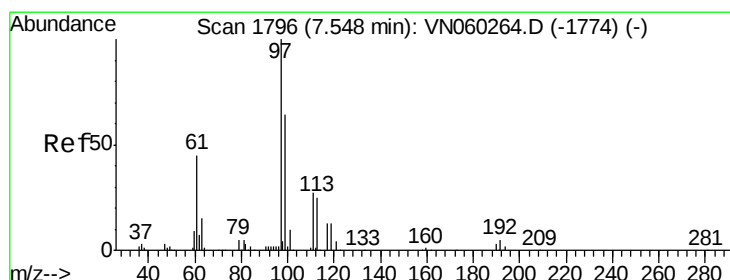
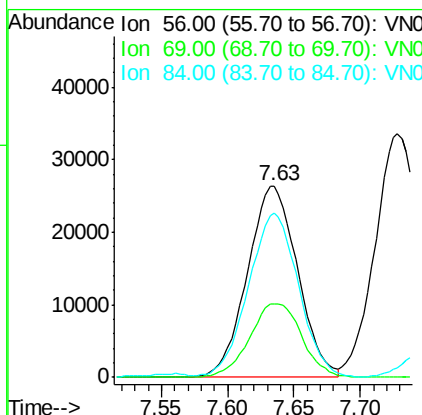
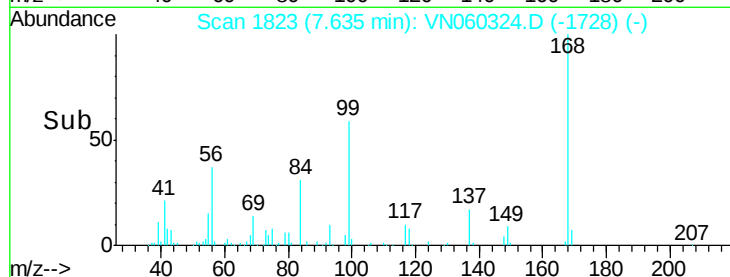
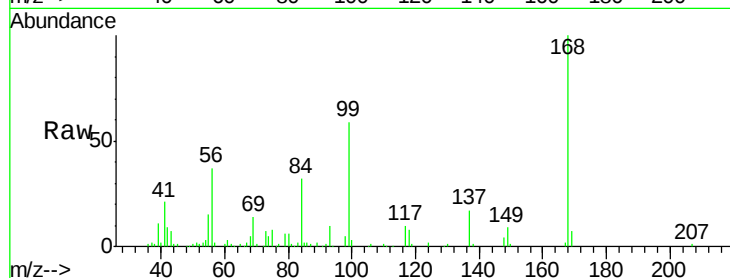
84 85.0 66.7 100.1

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#32

1,1,1-Trichloroethane

Concen: 19.144 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

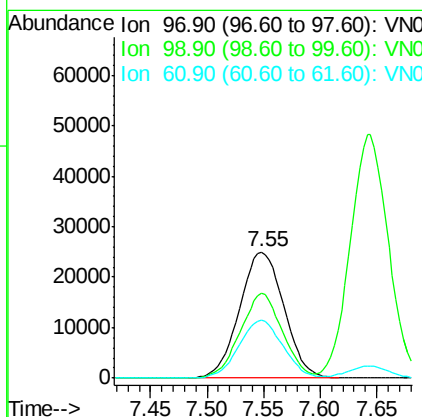
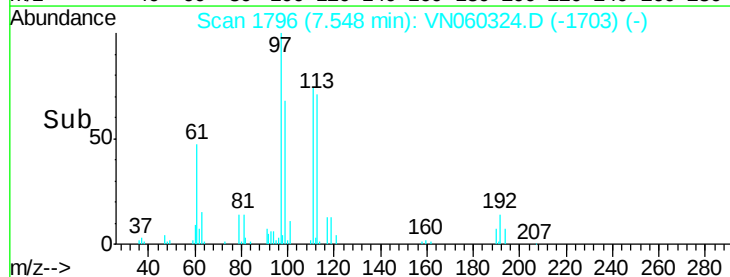
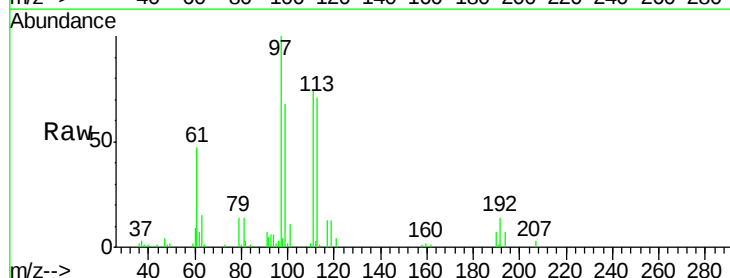
Tgt Ion: 97 Resp: 68161

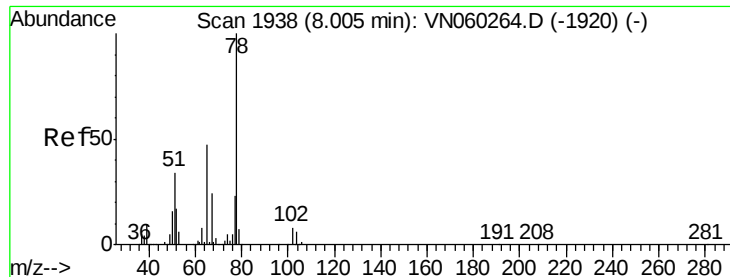
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 45.7 36.6 55.0





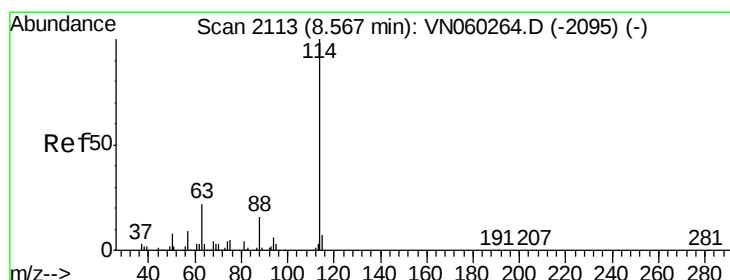
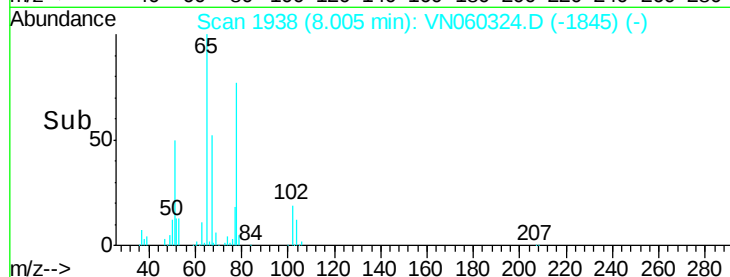
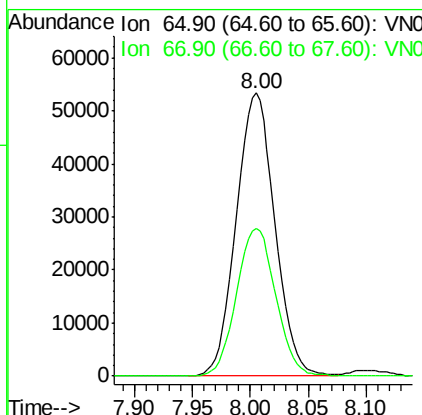
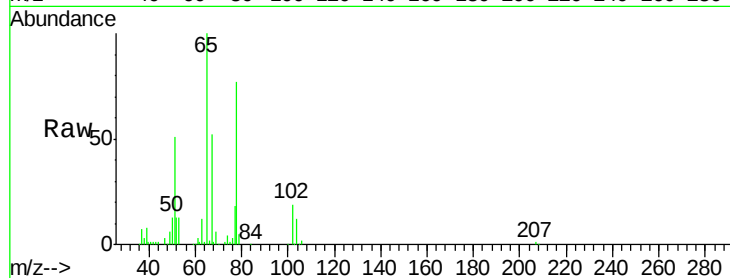
#33
 1,2-Dichloroethane-d4
 Concen: 48.452 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	103.8	

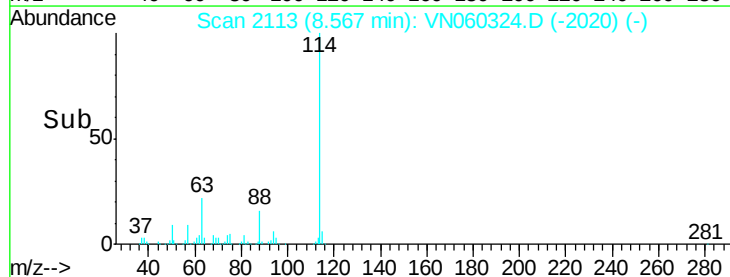
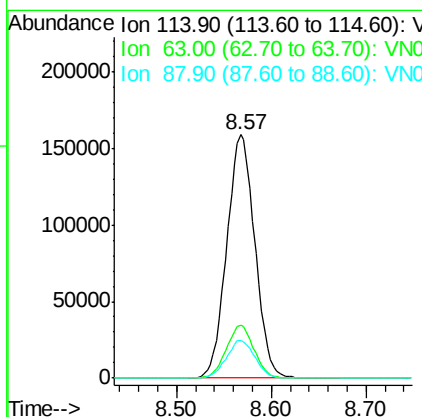
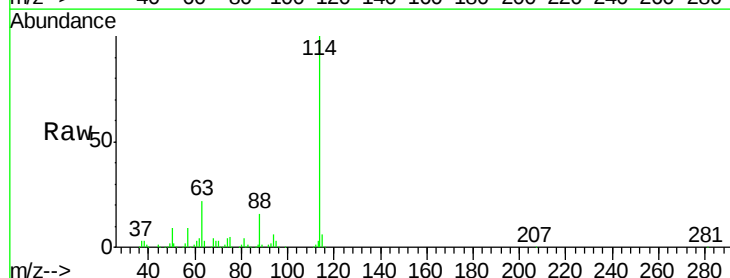
Manual Integrations
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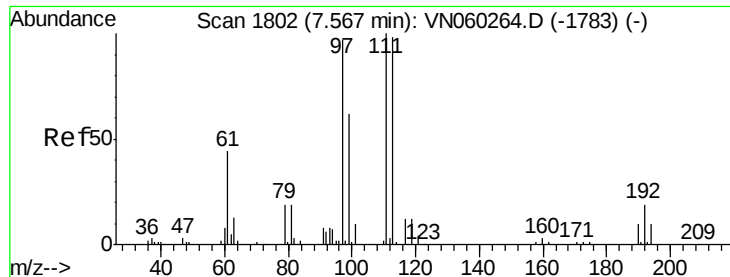
MMDadoda
 3/4/2020 10:45:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	43.2	
88	15.6	0.0	31.6	





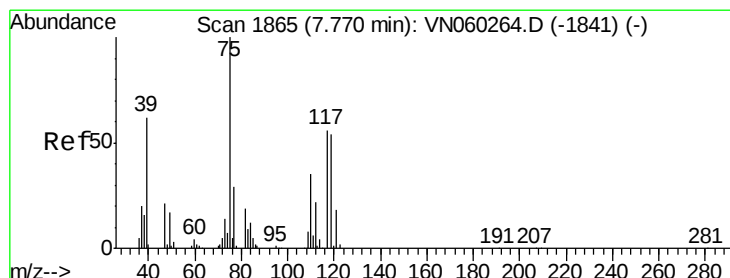
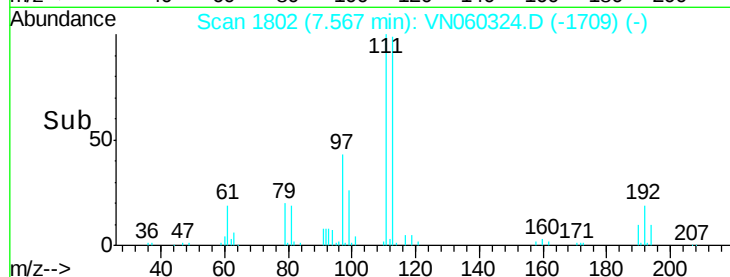
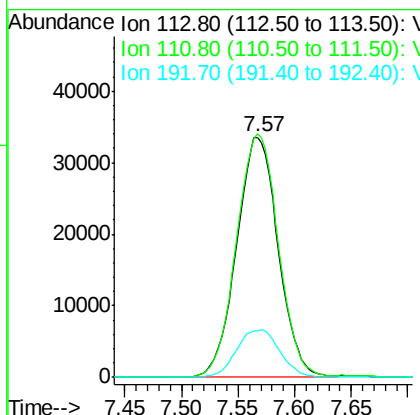
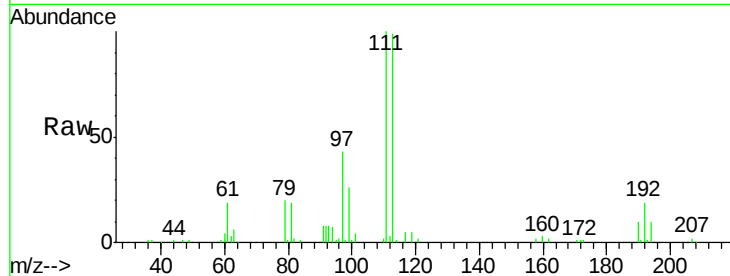
#35
 Dibromofluoromethane
 Concen: 56.360 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	20.4	16.2	24.2

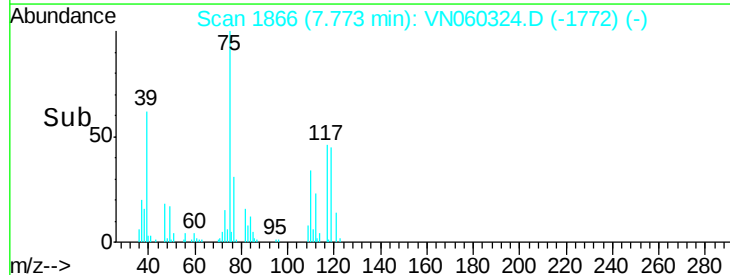
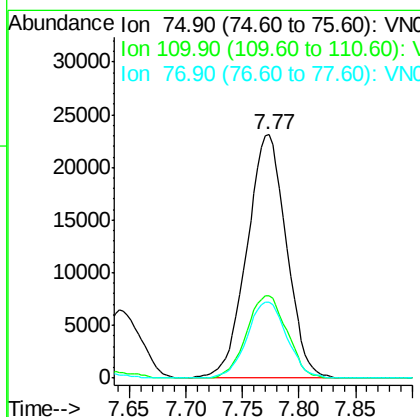
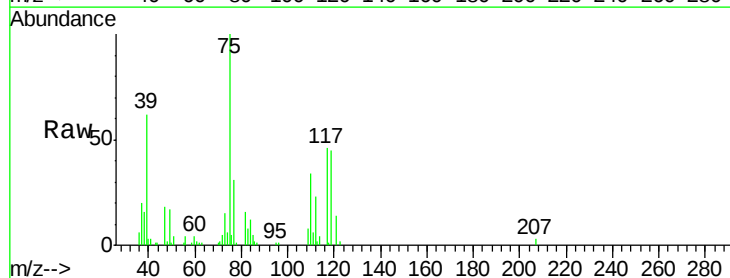
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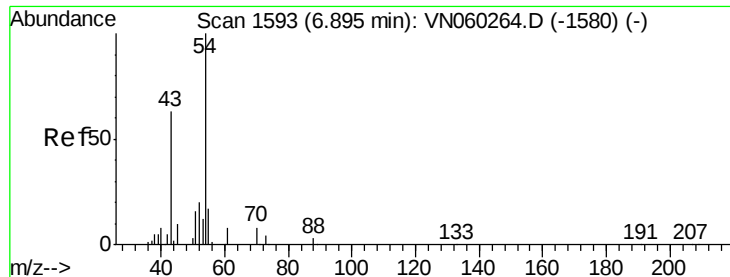
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#36
 1,1-Dichloropropene
 Concen: 17.963 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	31.5	24.2	36.2





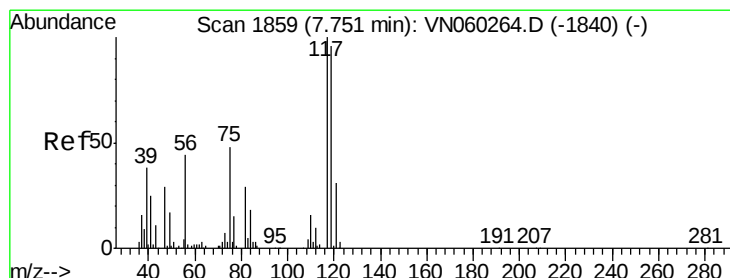
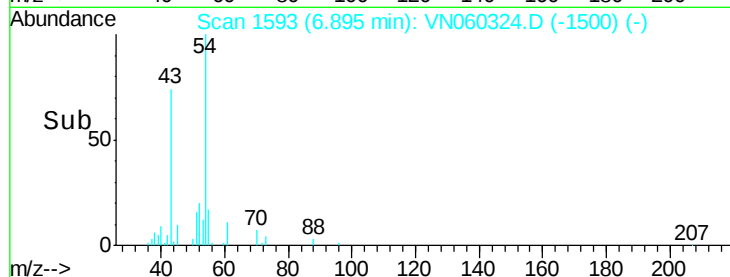
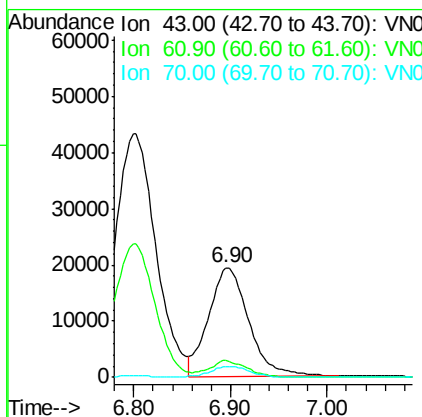
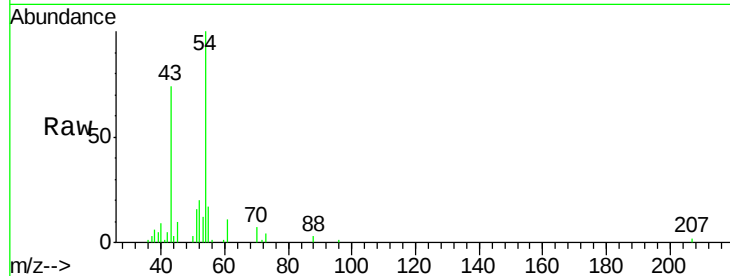
#37
Ethyl Acetate
Concen: 18.993 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	9.7	8.4	12.6

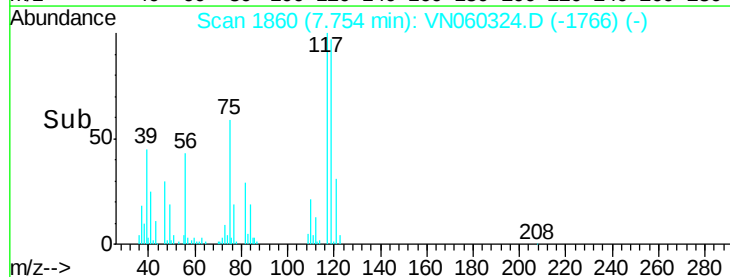
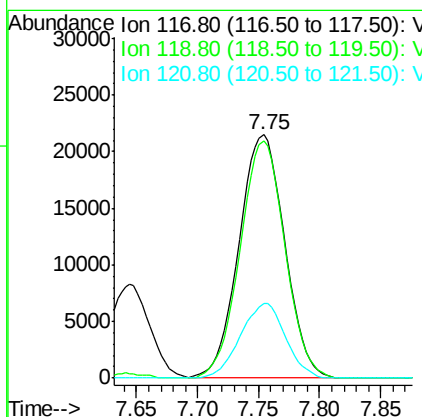
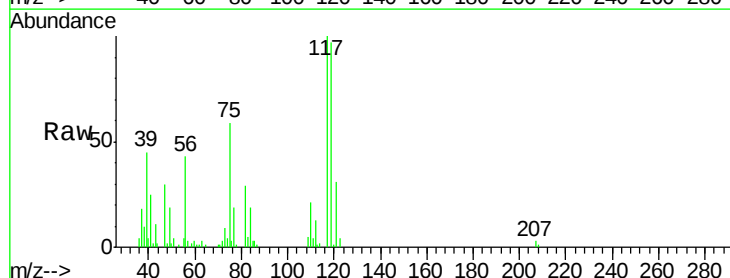
Manual Integrations
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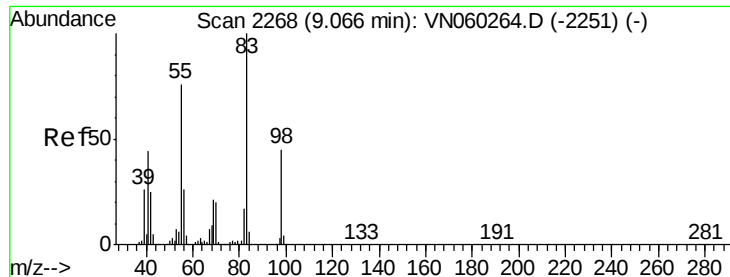
MMDadoda
3/4/2020 10:45:07 AM



#38
Carbon Tetrachloride
Concen: 18.362 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.7	115.1
121	30.5	24.5	36.7





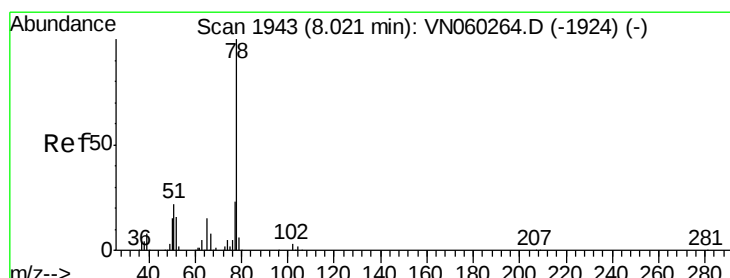
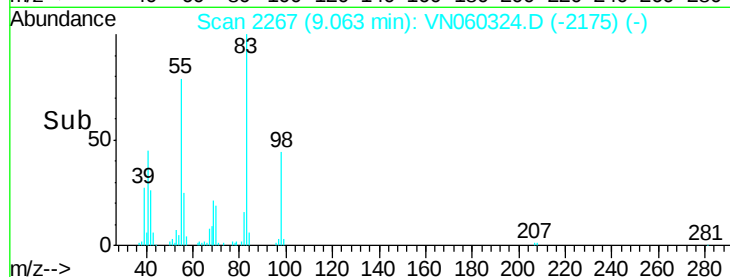
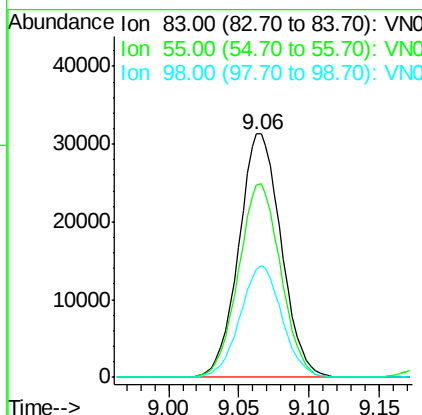
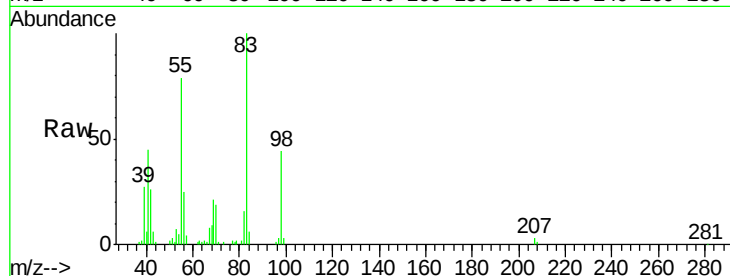
#39
Methvlcvclohexane
Concen: 17.864 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.0	91.4
98	44.4	36.1	54.1

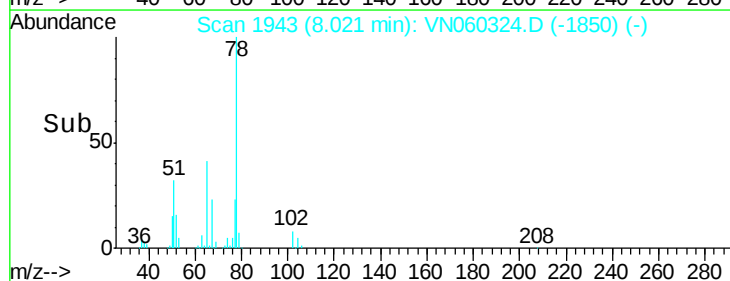
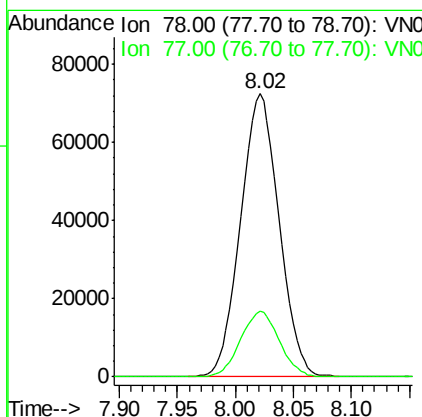
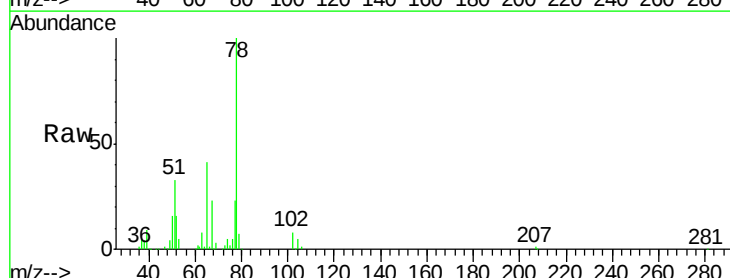
Manual Integrations
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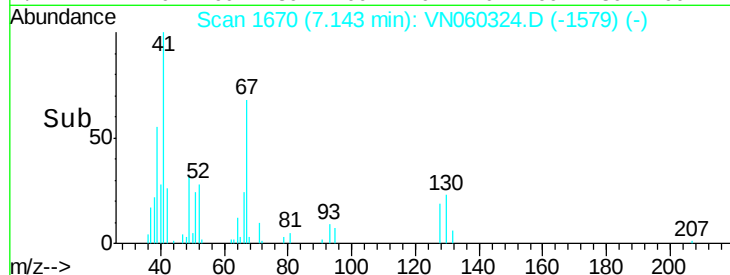
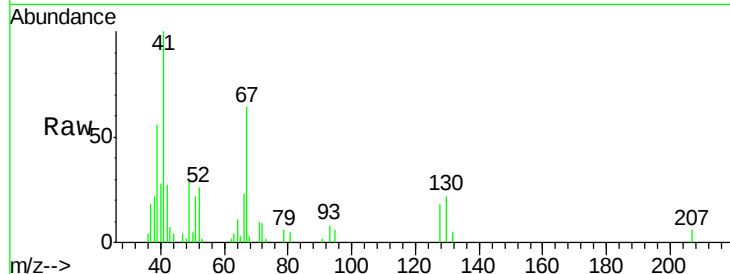
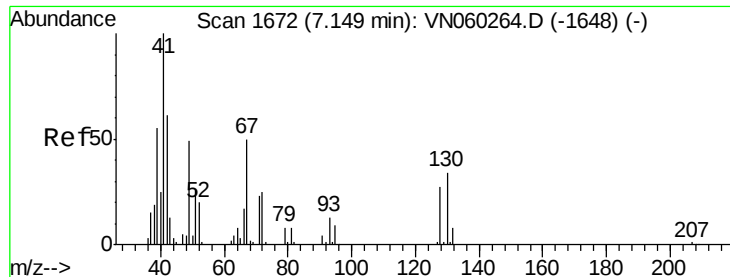
MMDadoda
3/4/2020 10:45:07 AM



#40
Benzene
Concen: 18.469 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





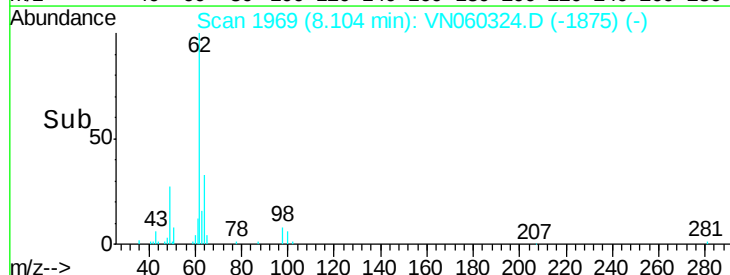
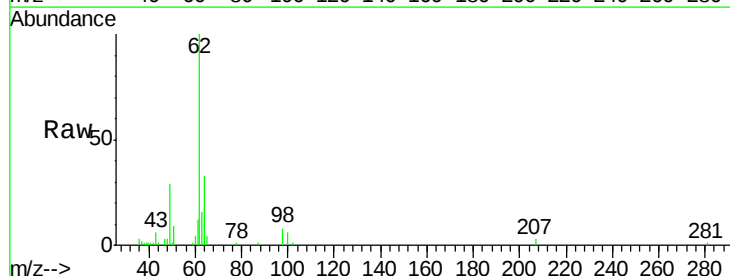
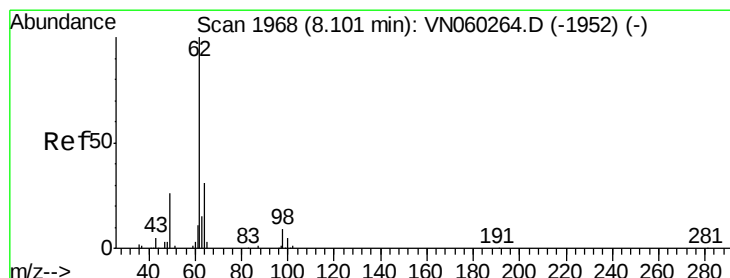
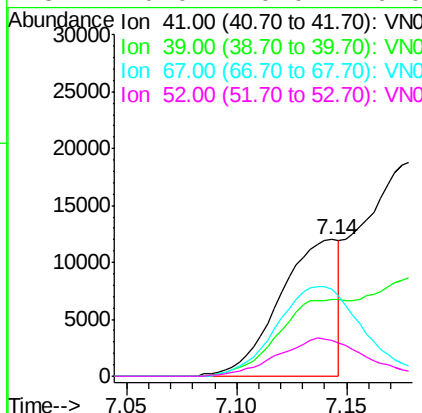
#41
Methacrylonitrile
Concen: 16.514 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tot Ion	41	Resp	22549
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

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

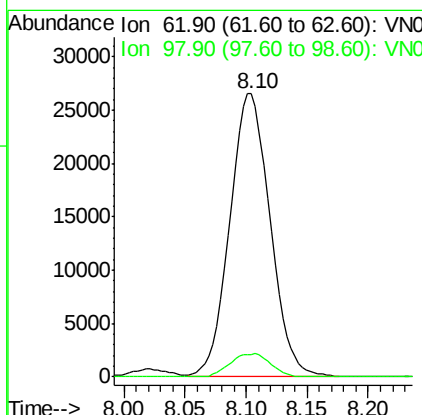
Manual Integrations
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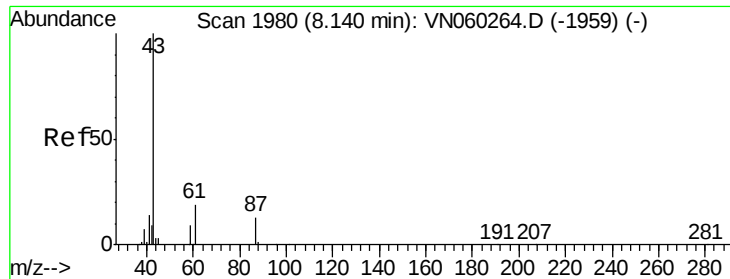
MMDadoda
3/4/2020 10:45:07 AM



#42
1,2-Dichloroethane
Concen: 18.603 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	62	Resp	61022
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.090 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

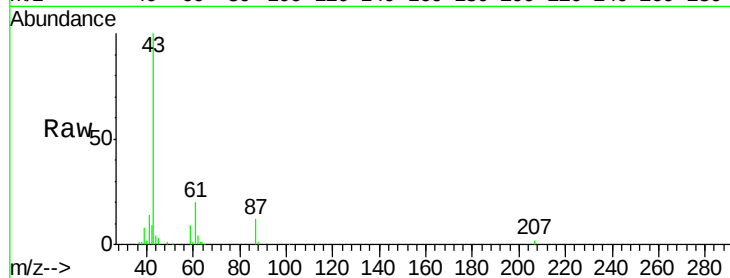
ClientSampleId :

VN0303WBSD01

Tot Ion:	43	Resp:	98834
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
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MMDadoda
3/4/2020 10:45:07 AM



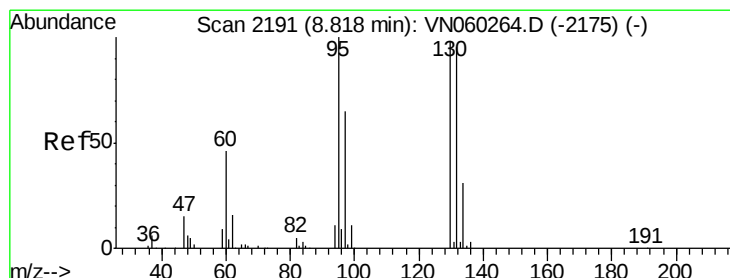
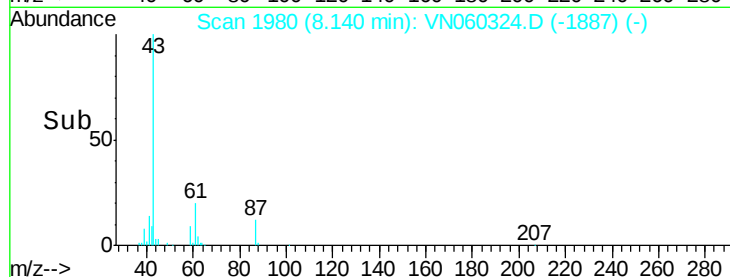
Abundance Ion 43.00 (42.70 to 43.70): VN060324.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060324.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060324.D (-1959) (-)

Time-->

8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.145 ug/l

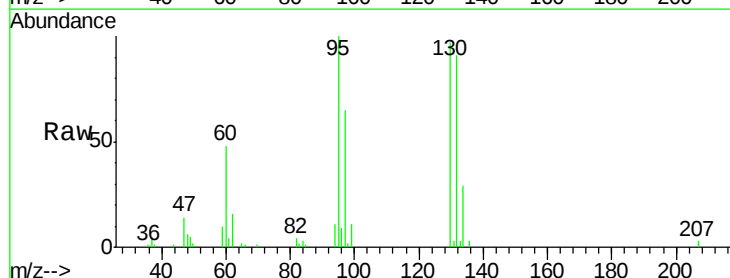
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion:	130	Resp:	45939
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	203.4

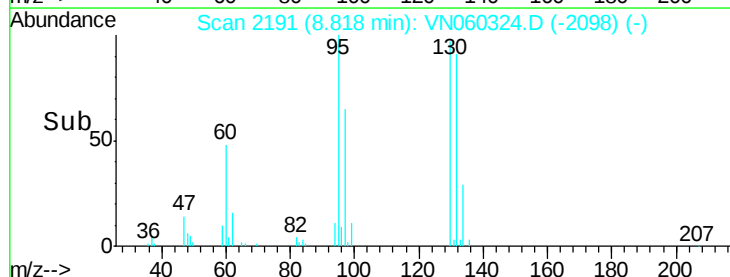


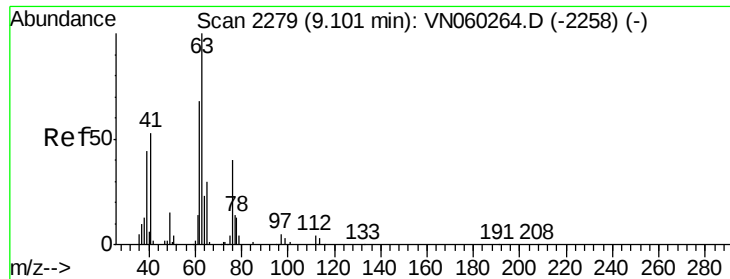
Abundance Ion 129.80 (129.50 to 130.50): VN060324.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060324.D (-2175) (-)

Time-->

8.75 8.80 8.85 8.90





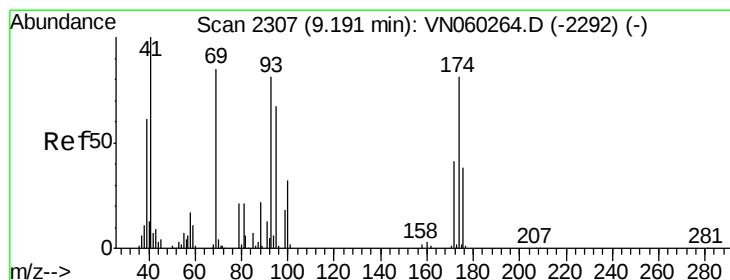
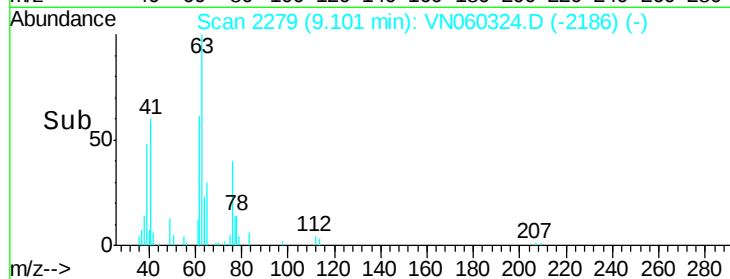
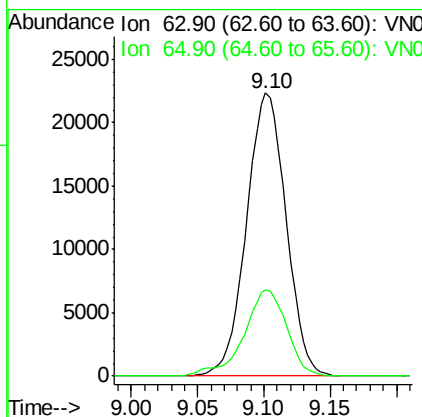
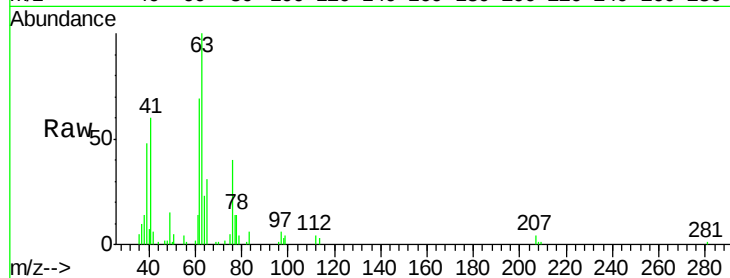
#45
 1,2-Dichloropropane
 Concen: 19.537 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	63	Resp	46434
Ion Ratio	Lower	Upper	
63	100		
65	30.7	24.4	36.6

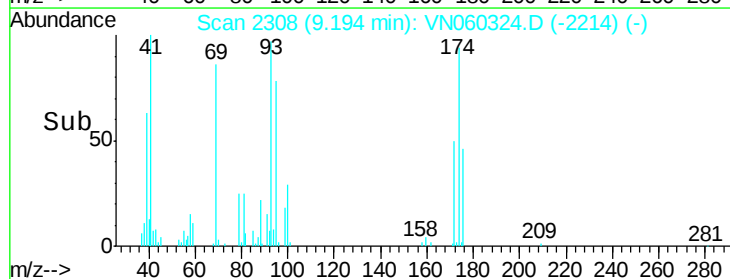
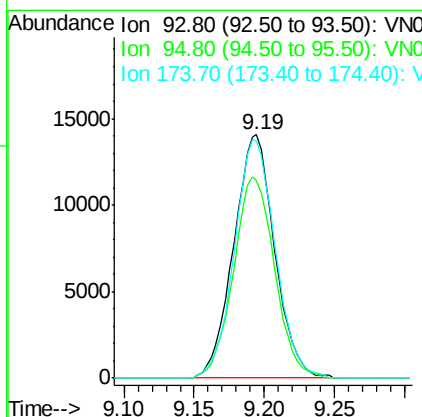
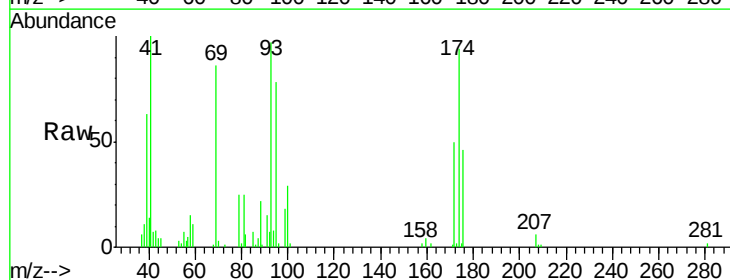
Manual Integrations
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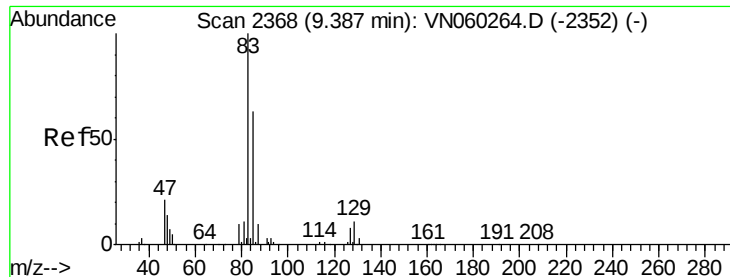
MMDadoda
 3/4/2020 10:45:07 AM



#46
 Dibromomethane
 Concen: 18.570 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	93	Resp	28638
Ion Ratio	Lower	Upper	
93	100		
95	82.6	65.9	98.9
174	97.6	79.6	119.4





#47

Bromodichloromethane

Concen: 19.177 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

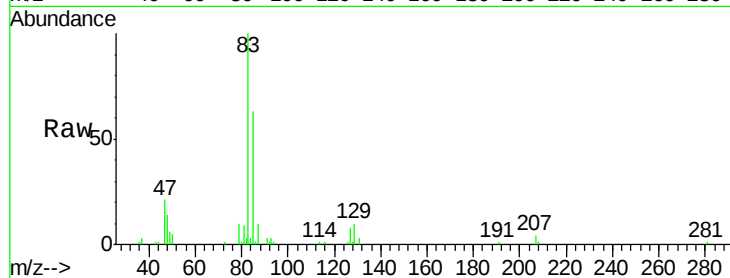
ClientSampleId :

VN0303WBSD01

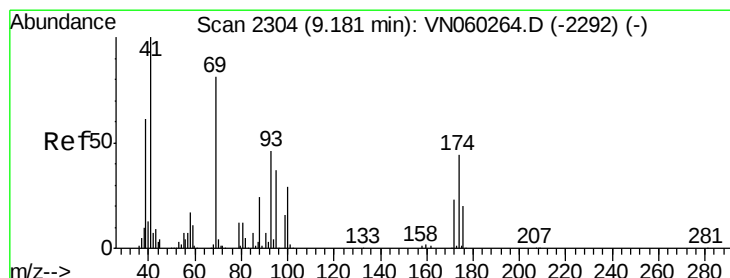
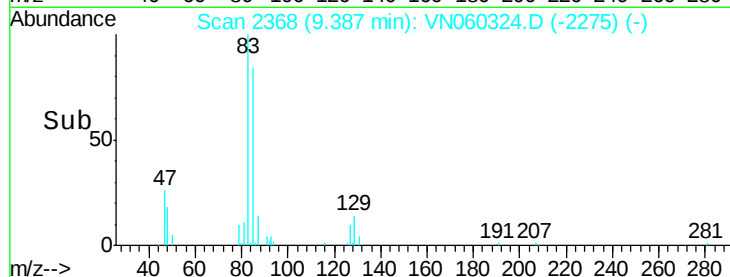
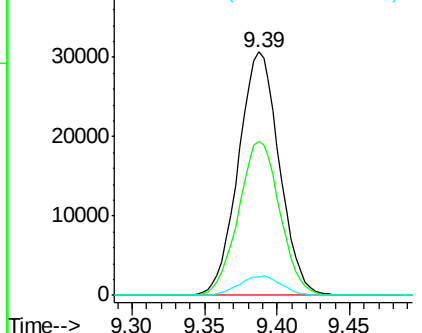
Tot Ion:	83	Resp:	60147
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1
127	7.7	6.8	10.2

Manual Integrations
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3/4/2020 10:45:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060324.D (-2275) (-)



#48

Methyl methacrylate

Concen: 17.739 ug/l

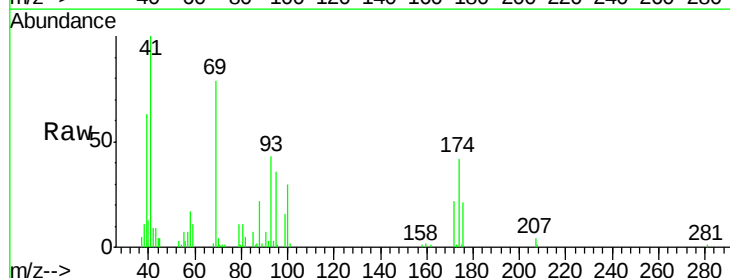
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

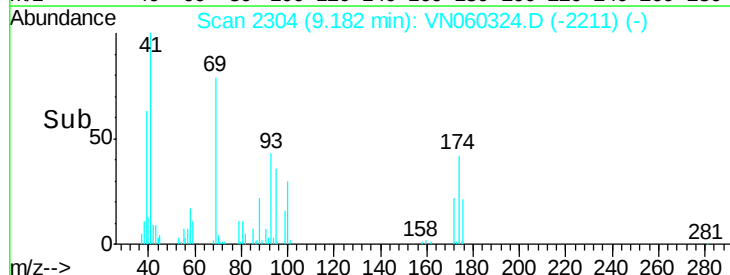
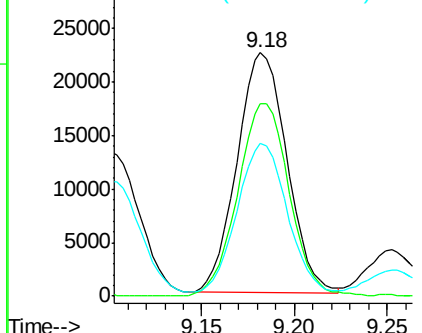
Lab File: VN060324.D

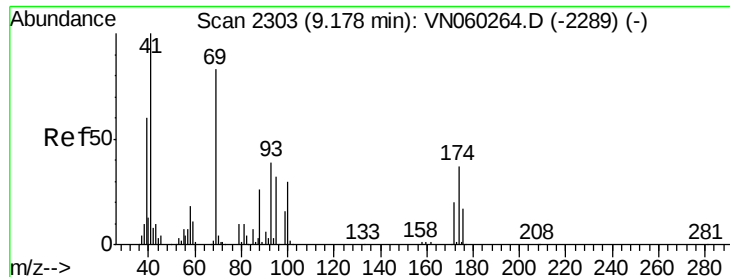
Acq: 3 Mar 2020 13:11

Tgt Ion:	41	Resp:	41880
Ion	Ratio	Lower	Upper
41	100		
69	83.2	66.7	100.1
39	64.8	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060324.D (-2211) (-)





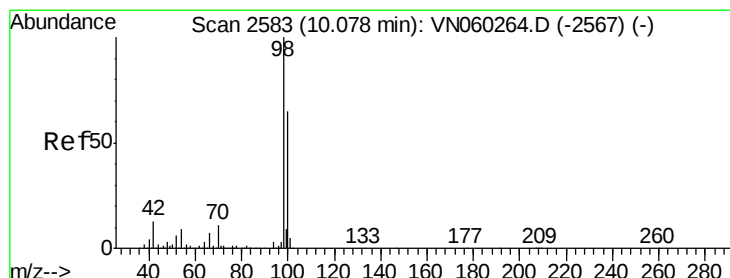
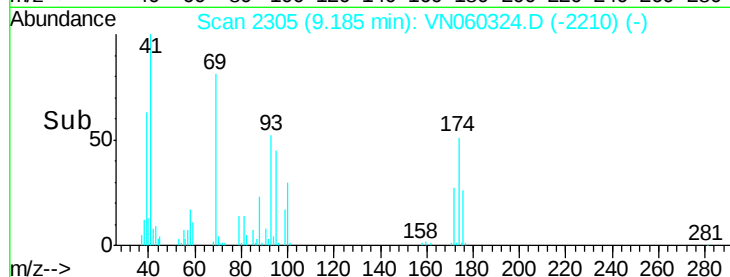
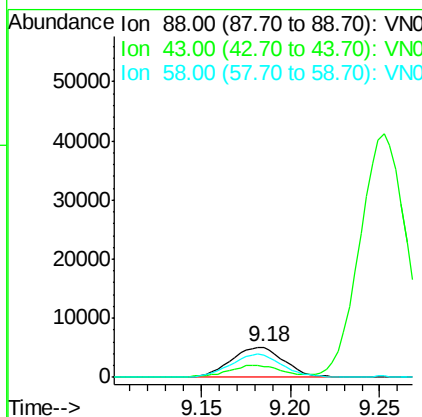
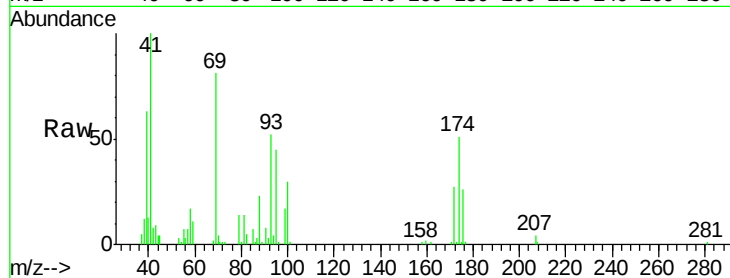
#49
1,4-Dioxane
Concen: 315.870 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	88	Resp	10487
Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.4	45.6
58	74.7	57.0	85.6

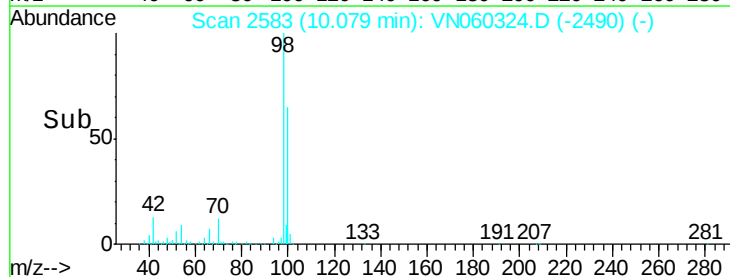
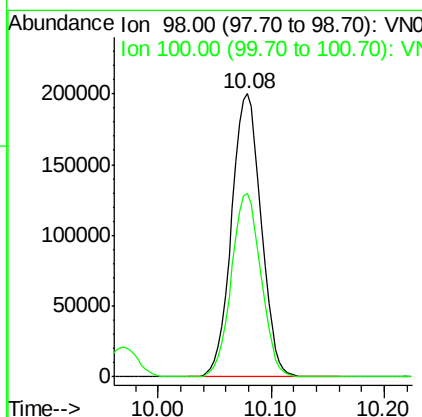
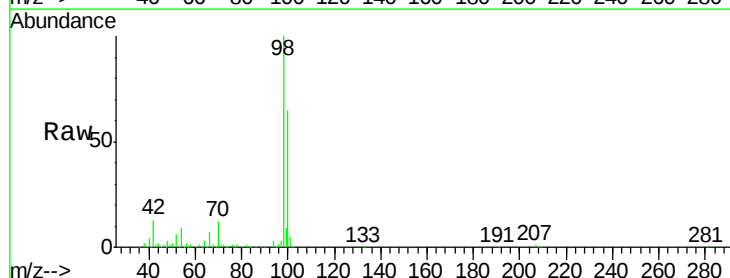
Manual Integrations
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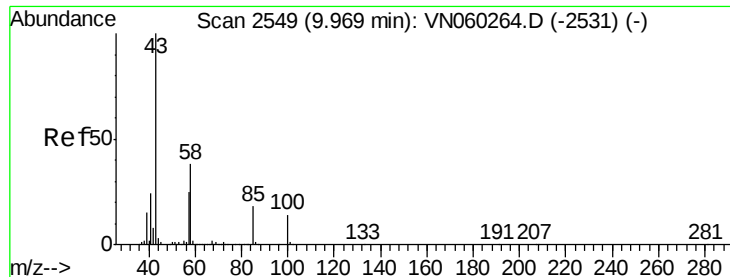
MMDadoda
3/4/2020 10:45:07 AM



#50
Toluene-d8
Concen: 47.302 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	98	Resp	364156
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 95.354 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0303WBSD01

Tot Ion: 43 Resp: 279902

Ion Ratio Lower Upper

43 100

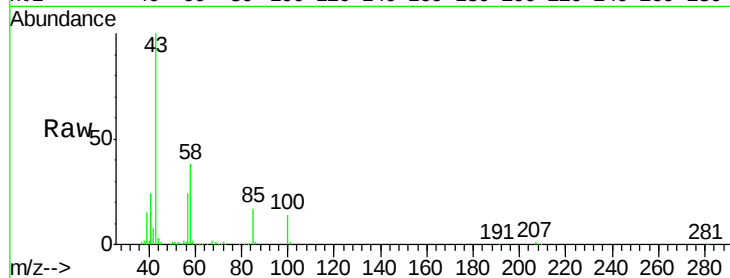
58 38.2 30.9 46.3

Manual Integrations

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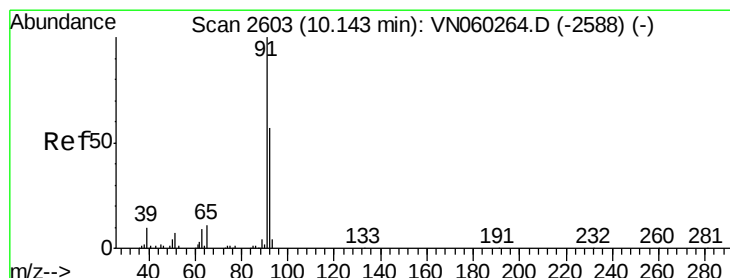
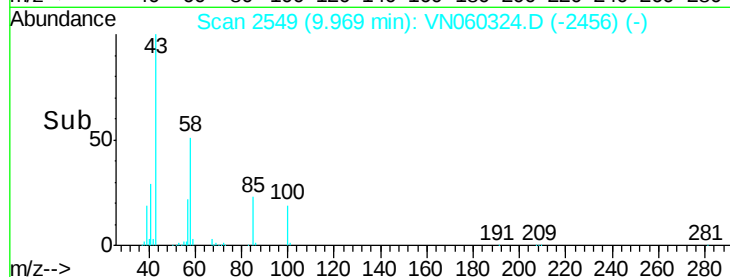
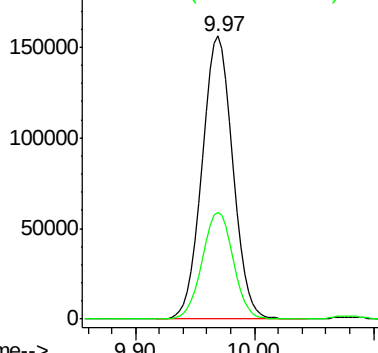
MMDadoda

3/4/2020 10:45:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.486 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060324.D

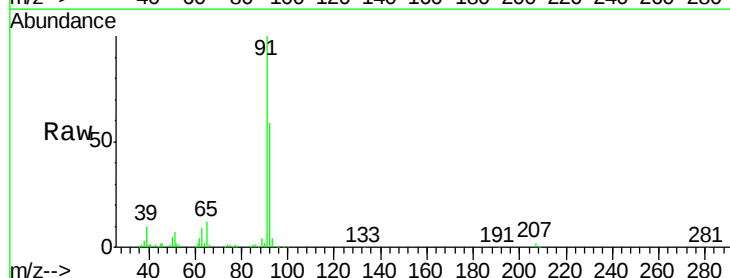
Acq: 3 Mar 2020 13:11

Tgt Ion: 92 Resp: 105558

Ion Ratio Lower Upper

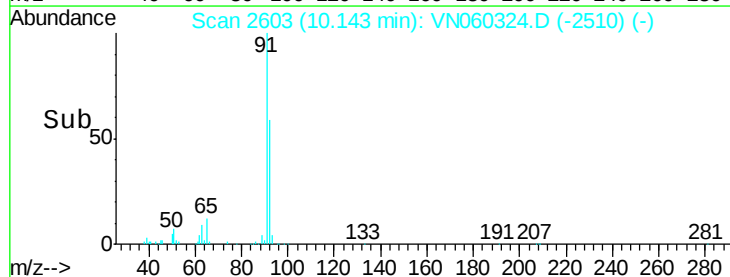
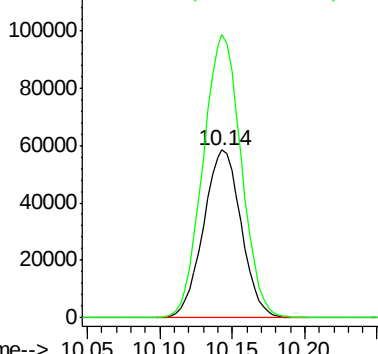
92 100

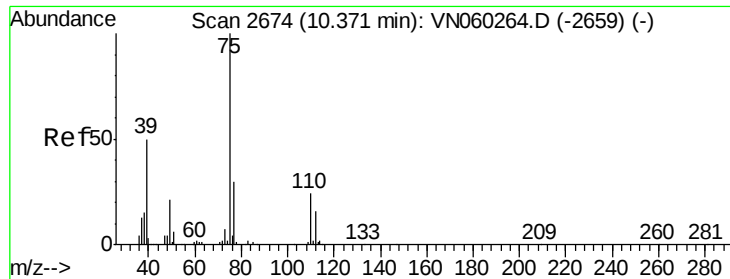
91 171.2 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





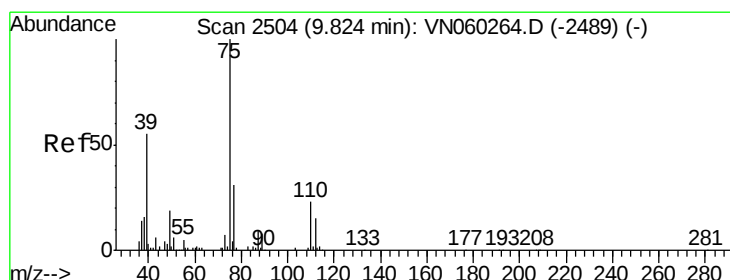
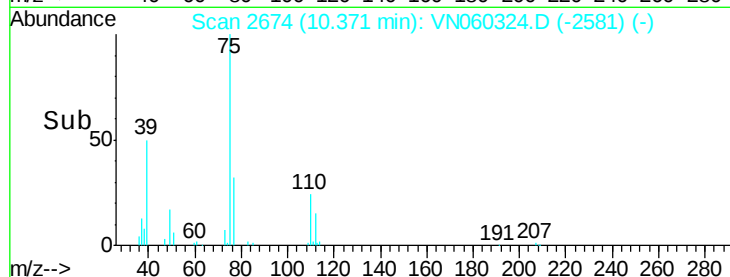
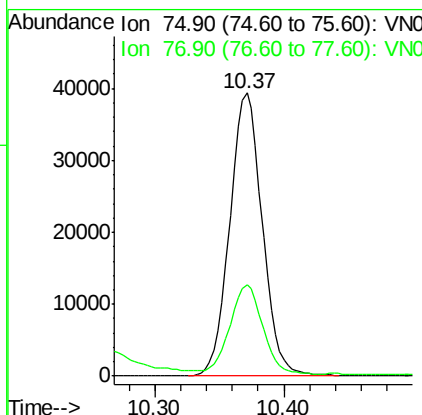
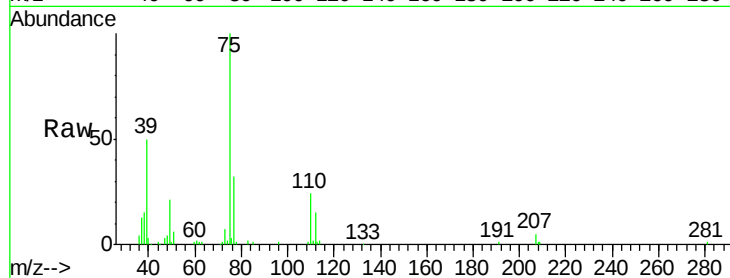
#53
t-1,3-Dichloropropene
Concen: 17.966 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion: 75 Resp: 69046
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2

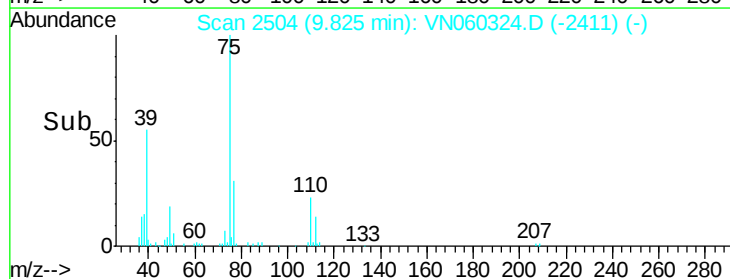
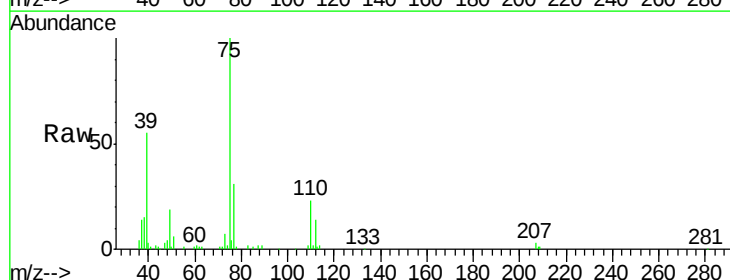
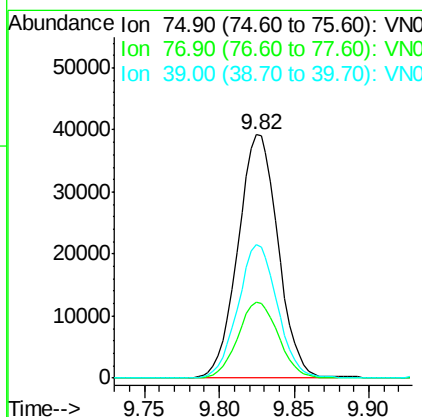
Manual Integrations
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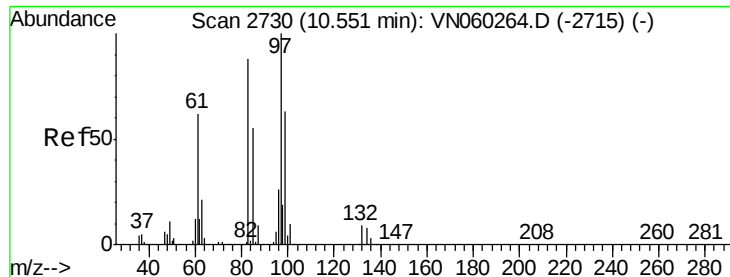
MMDadoda
3/4/2020 10:45:07 AM



#54
cis-1,3-Dichloropropene
Concen: 18.350 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion: 75 Resp: 73078
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 55.0 43.8 65.8





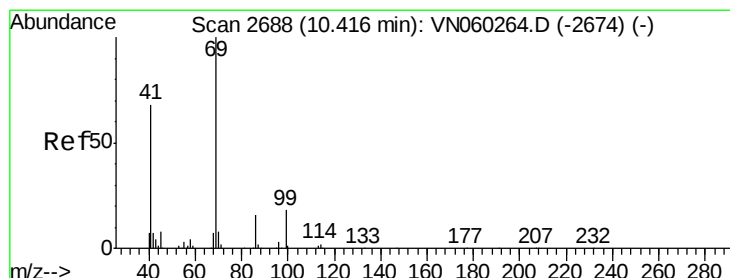
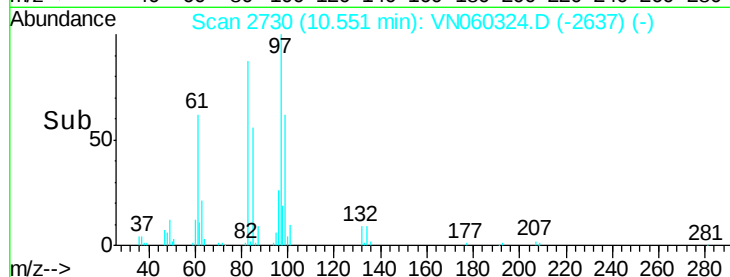
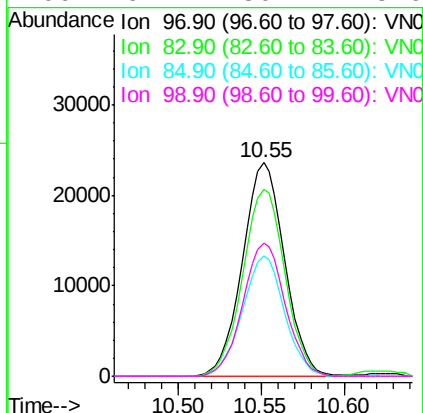
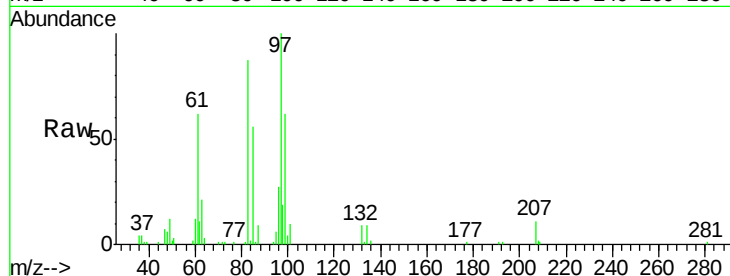
#55
 1,1,2-Trichloroethane
 Concen: 18.190 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	56.5	44.0	66.0
99	62.2	50.4	75.6

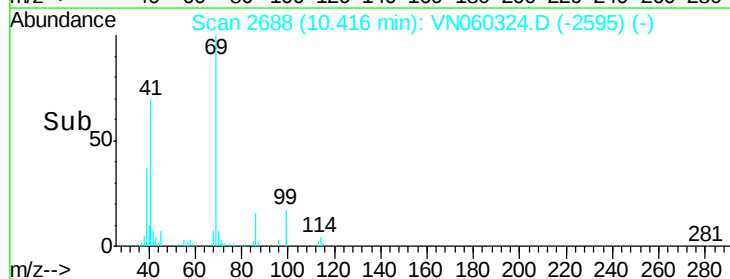
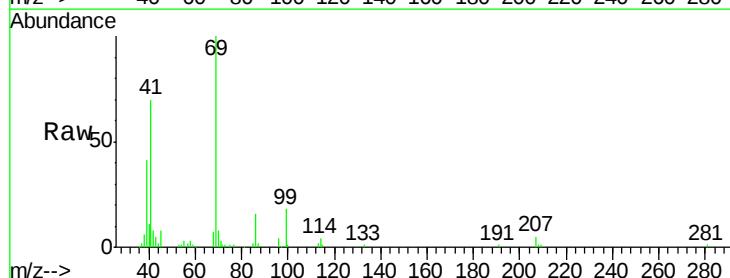
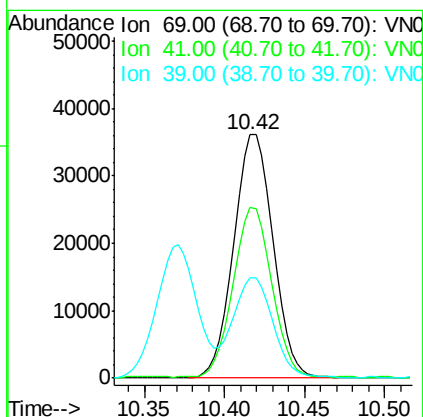
Manual Integrations
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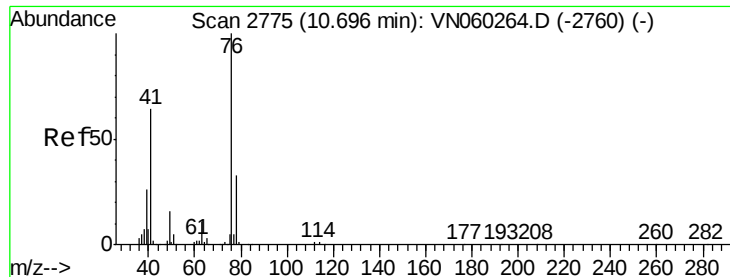
MMDadoda
 3/4/2020 10:45:07 AM



#56
 Ethyl methacrylate
 Concen: 18.387 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	41.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.033 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 76 Resp: 71277

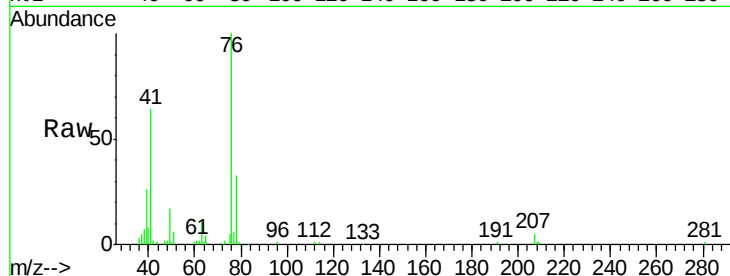
Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:45:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

40000

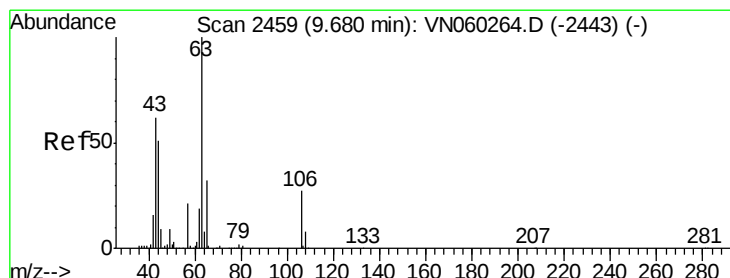
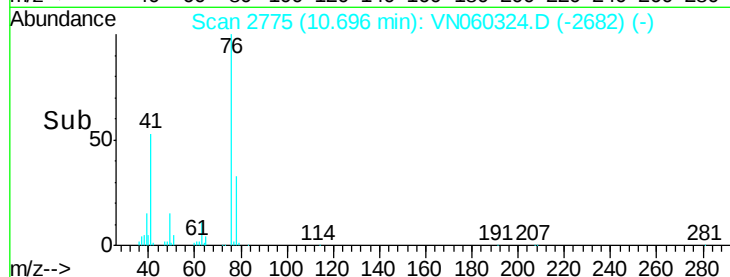
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.154 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060324.D

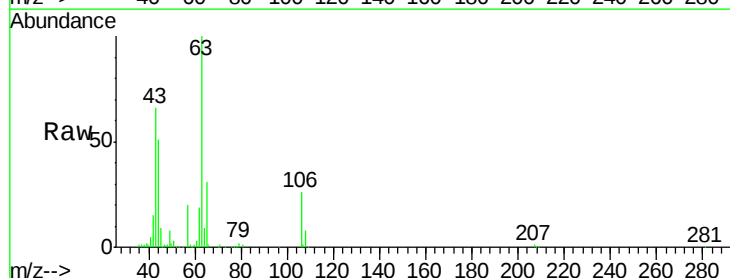
Acq: 3 Mar 2020 13:11

Tgt Ion: 63 Resp: 162453

Ion Ratio Lower Upper

63 100

106 26.0 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

100000

80000

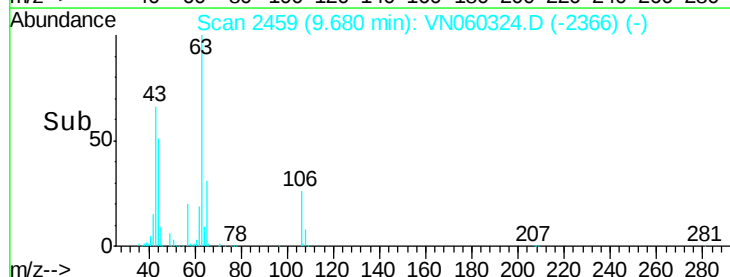
60000

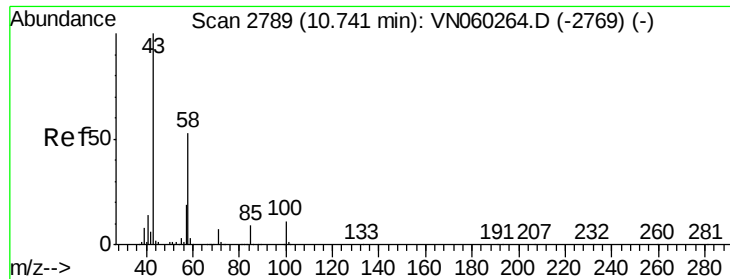
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20000

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Time-->





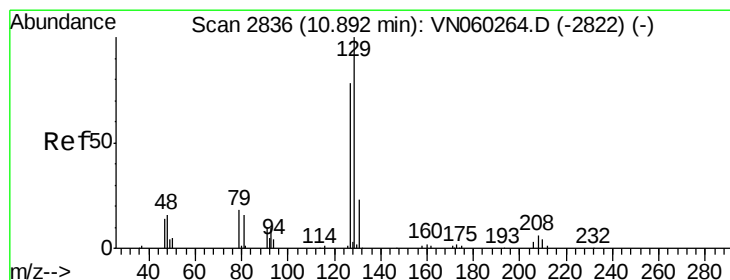
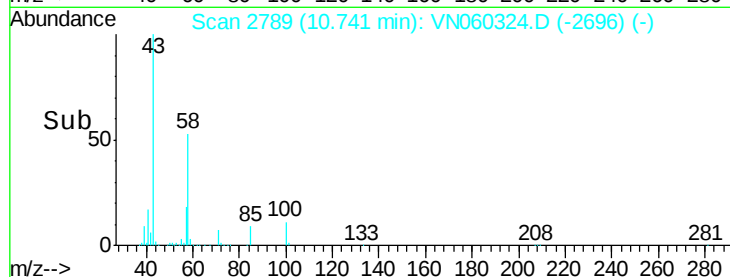
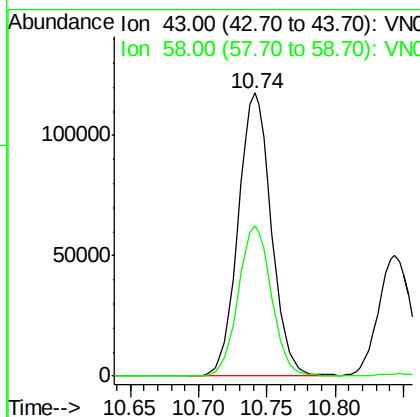
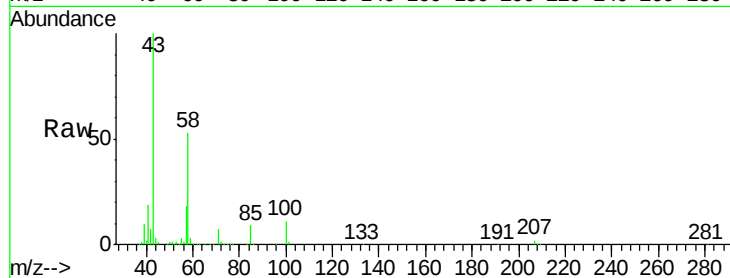
#59
2-Hexanone
Concen: 91.910 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion: 43 Resp: 198087
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5

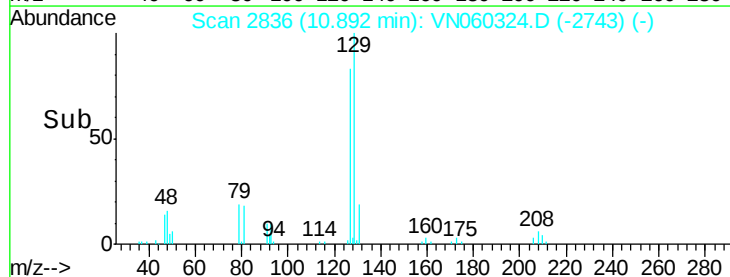
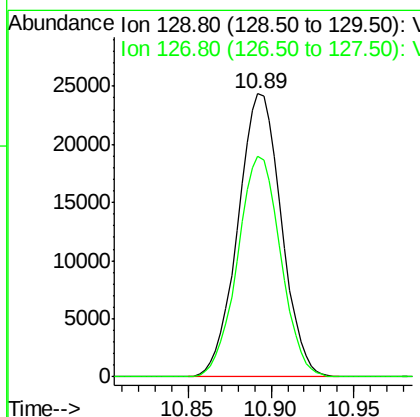
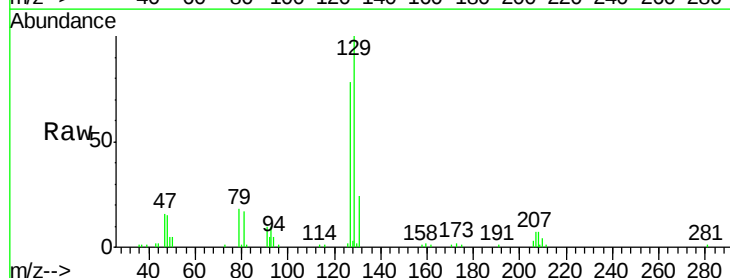
Manual Integrations
APPROVED

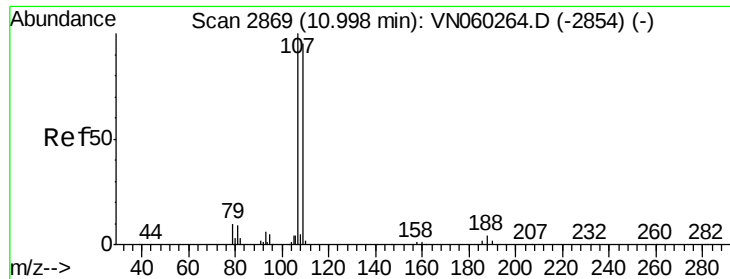
MMDadoda
3/4/2020 10:45:07 AM



#60
Dibromochloromethane
Concen: 18.965 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion: 129 Resp: 44287
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





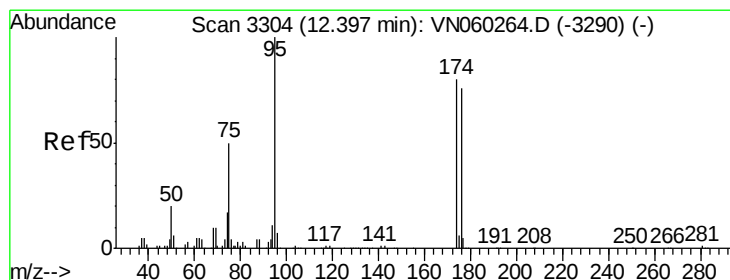
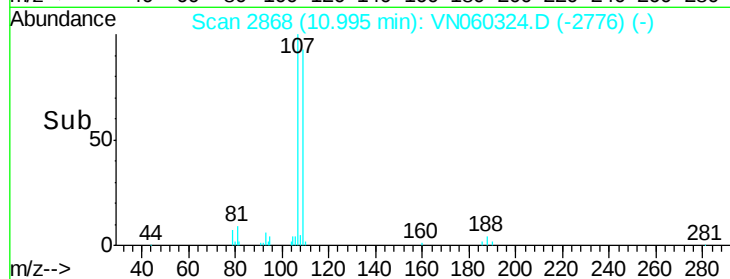
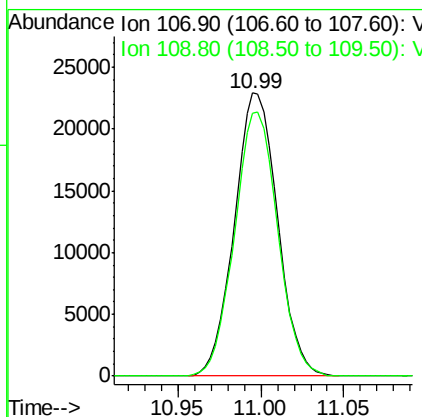
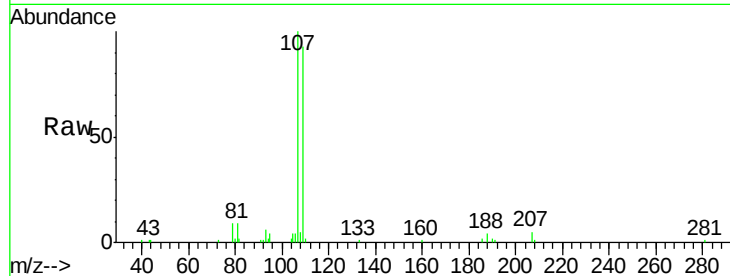
#61
 1,2-Dibromoethane
 Concen: 18.518 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.8	115.2

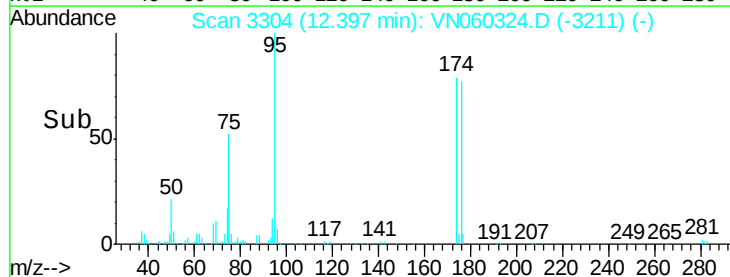
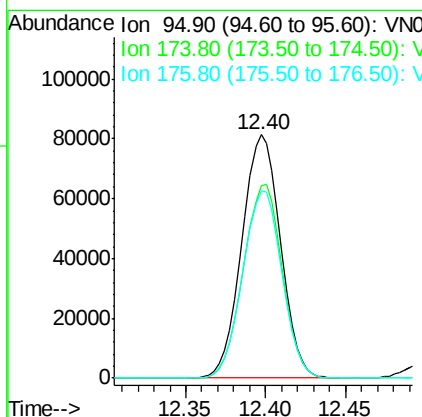
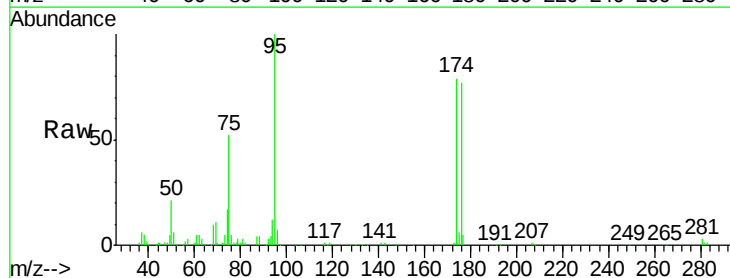
Manual Integrations
 APPROVED

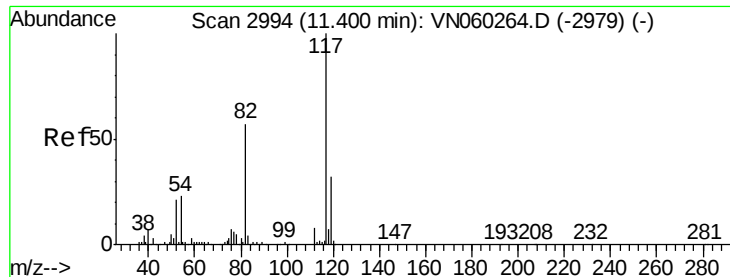
MMDadoda
 3/4/2020 10:45:07 AM



#62
 4-Bromofluorobenzene
 Concen: 45.889 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	159.2
176	78.5	0.0	153.8





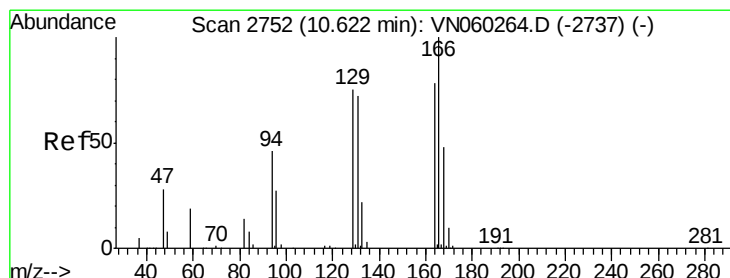
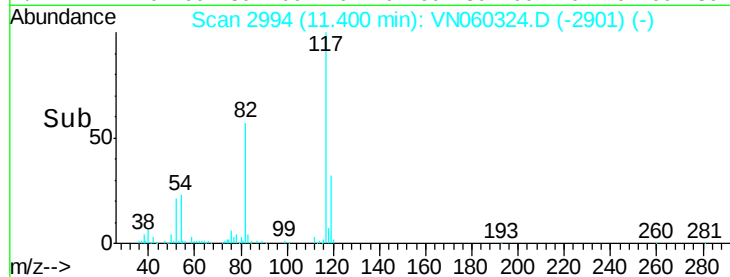
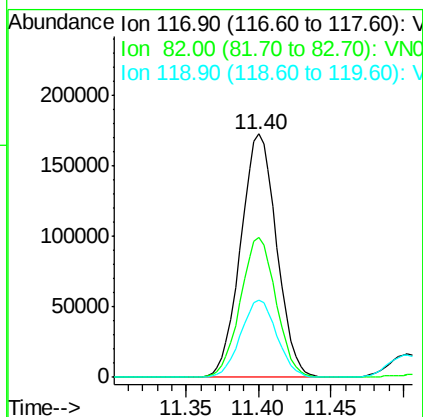
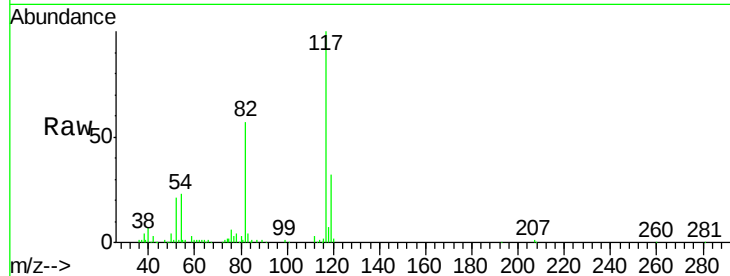
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298004		
82	57.4		45.8	68.6
119	31.9		25.8	38.8

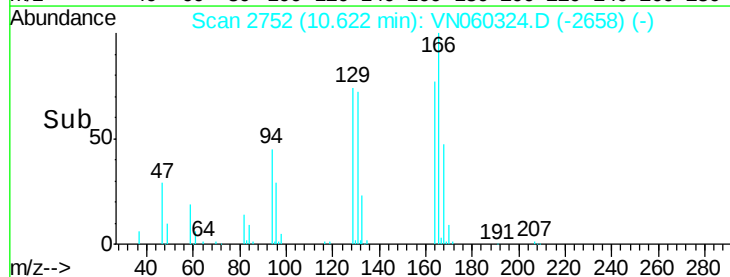
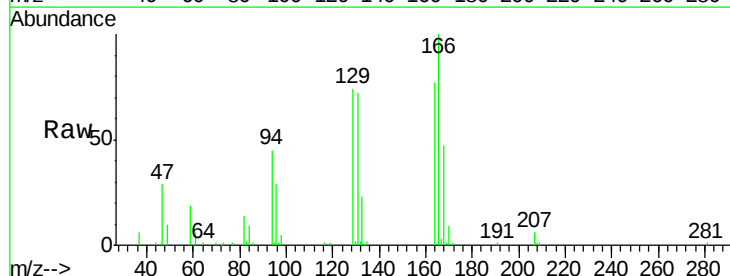
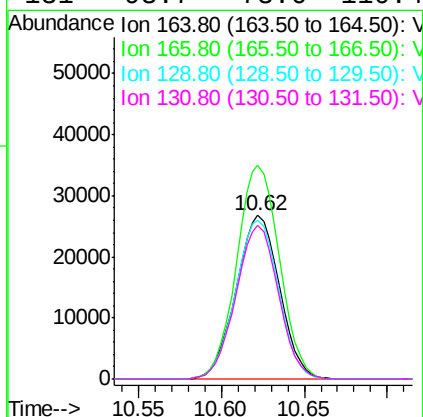
Manual Integrations
APPROVED

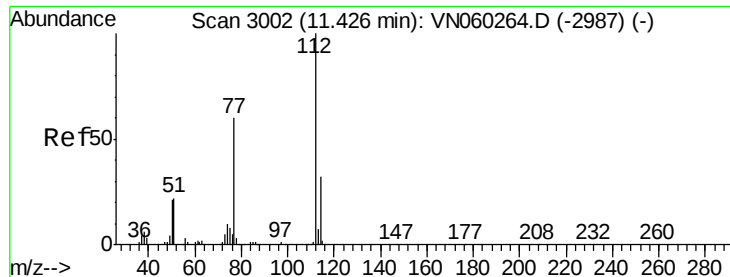
MMDadoda
3/4/2020 10:45:07 AM



#64
Tetrachloroethene
Concen: 19.972 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48855		
166	130.7		102.0	153.0
129	97.1		76.4	114.6
131	93.7		73.6	110.4





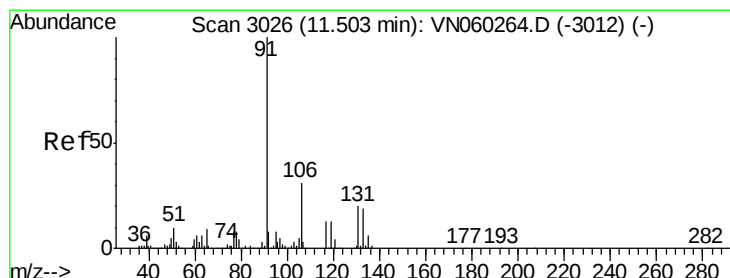
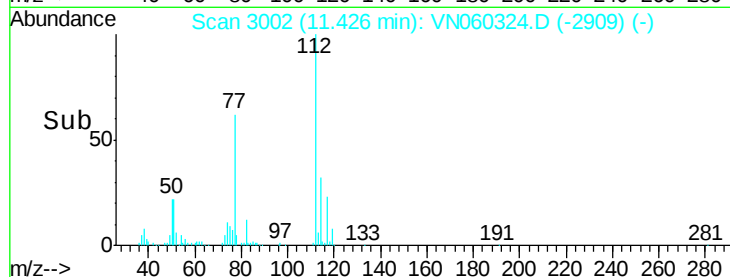
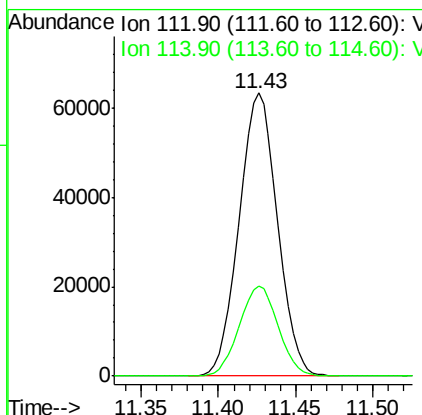
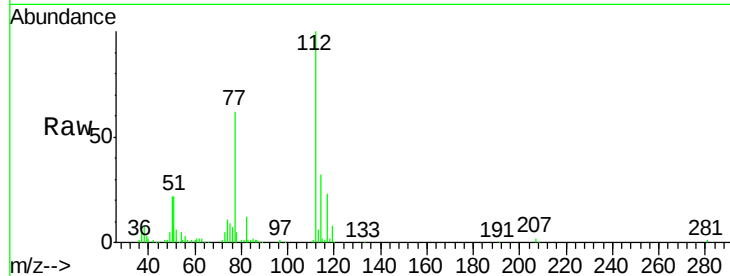
#65
Chlorobenzene
Concen: 18.145 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0303WBSD01

Tot Ion:112 Resp: 109188
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

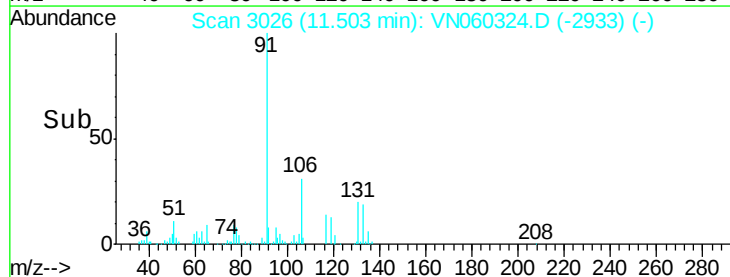
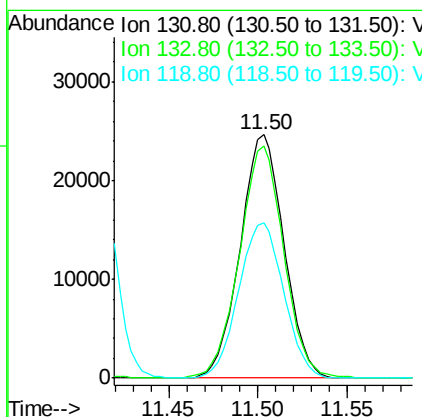
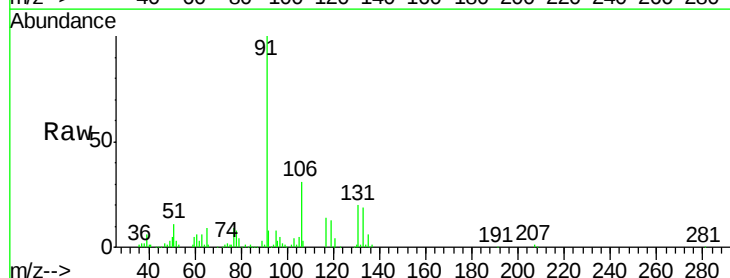
Manual Integrations
APPROVED

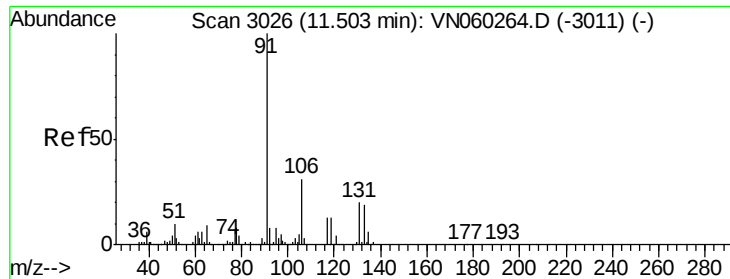
MMDadoda
3/4/2020 10:45:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.999 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion:131 Resp: 42272
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 65.8 33.2 99.6





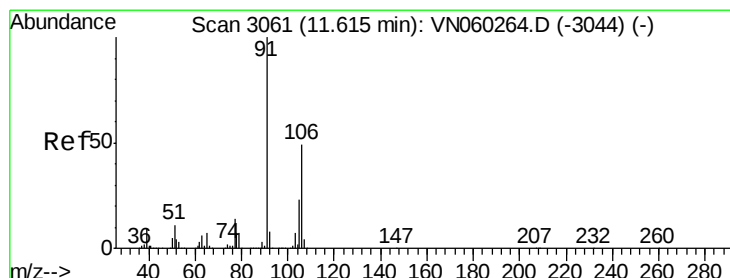
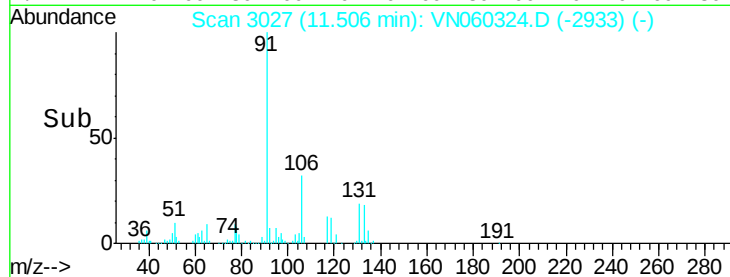
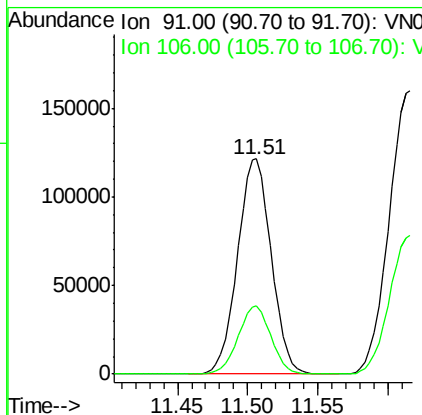
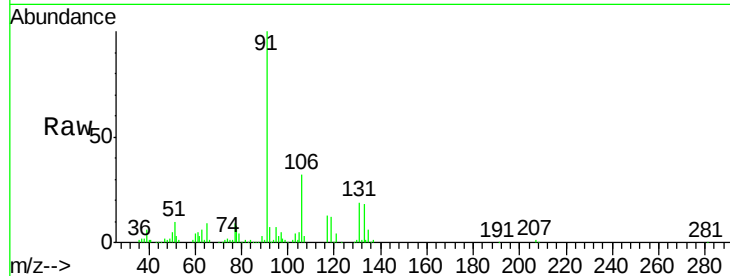
#67
Ethyl Benzene
Concen: 18.532 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0303WBSD01

Tot Ion: 91 Resp: 203084
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

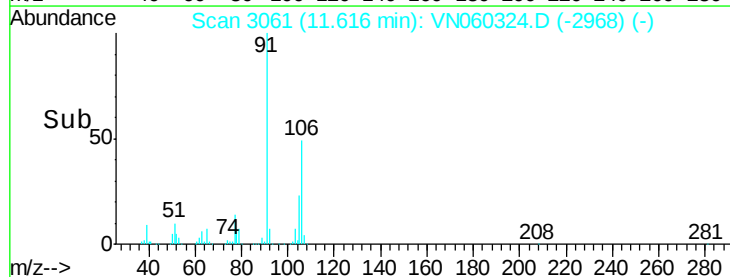
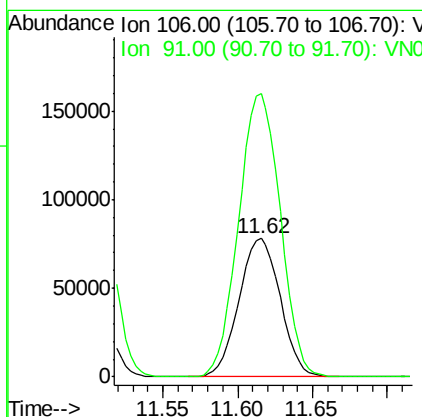
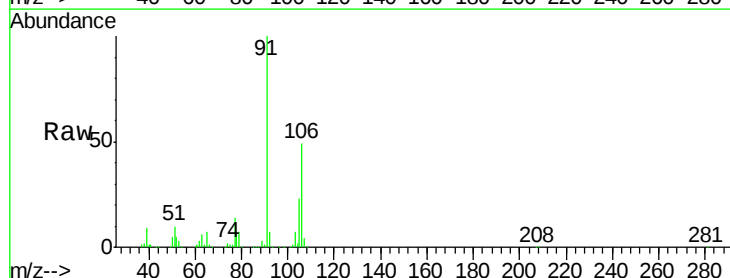
Manual Integrations
APPROVED

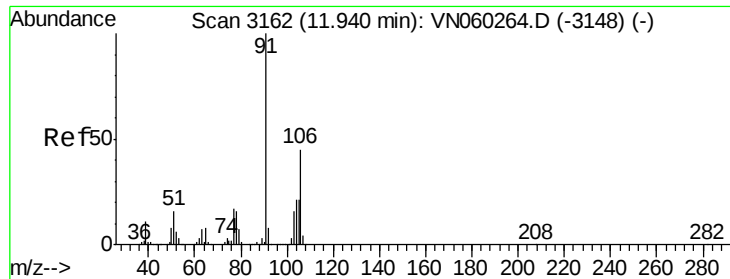
MMDadoda
3/4/2020 10:45:07 AM



#68
m/p-Xylenes
Concen: 36.337 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion: 106 Resp: 150233
Ion Ratio Lower Upper
106 100
91 206.5 164.5 246.7





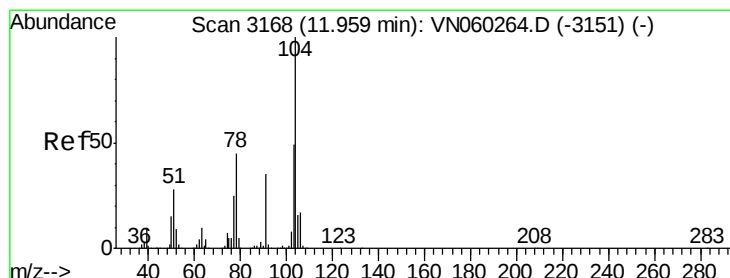
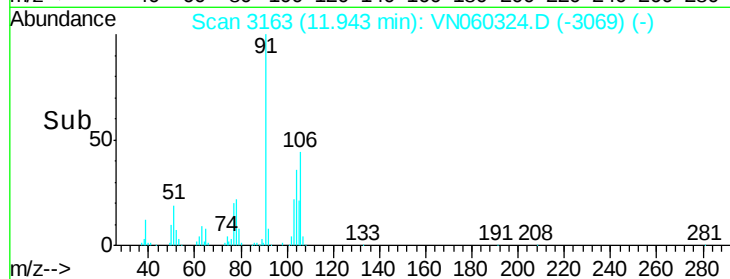
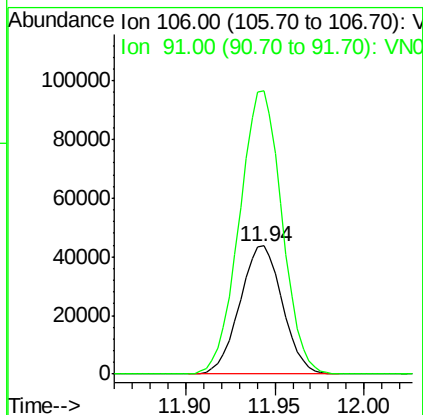
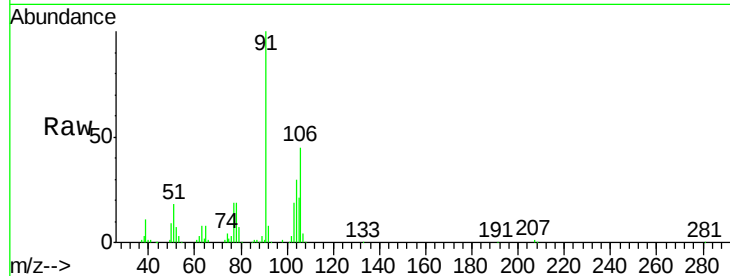
#69
o-Xylene
Concen: 18.495 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0303WBSD01

Tot Ion:106 Resp: 72919
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4

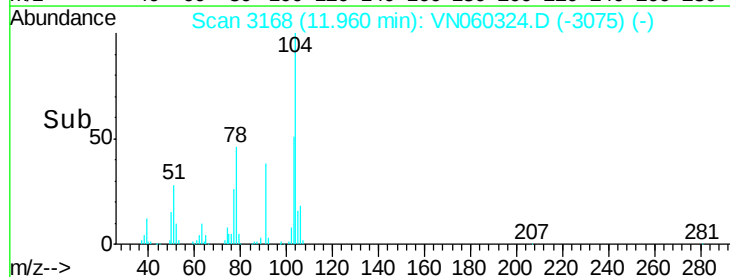
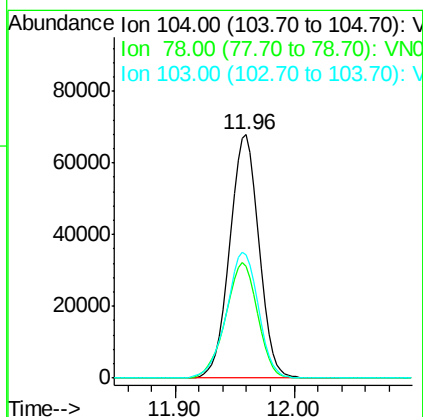
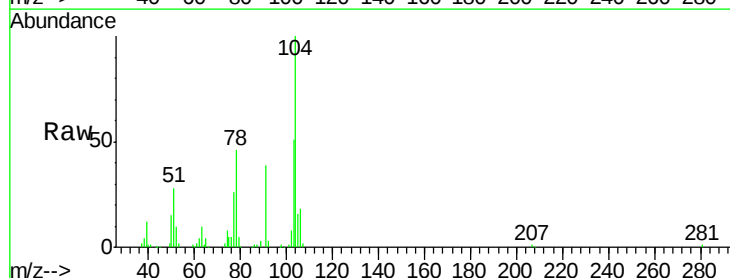
Manual Integrations
APPROVED

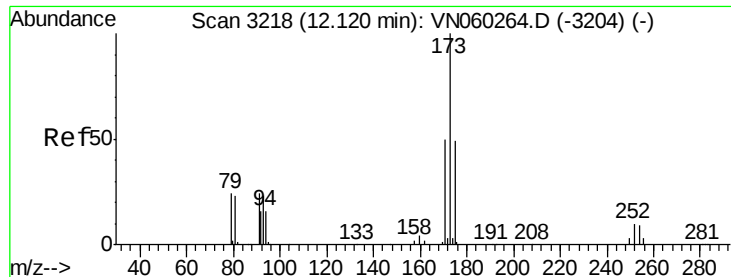
MMDadoda
3/4/2020 10:45:07 AM



#70
Styrene
Concen: 17.862 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion:104 Resp: 115781
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.5 43.9 65.9





#71

Bromoform

Concen: 18.706 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

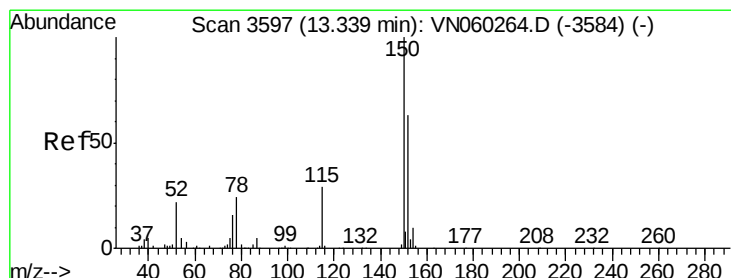
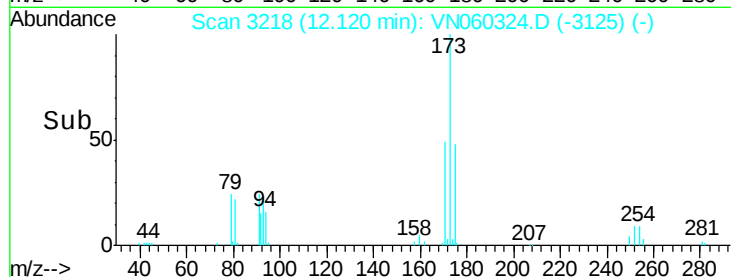
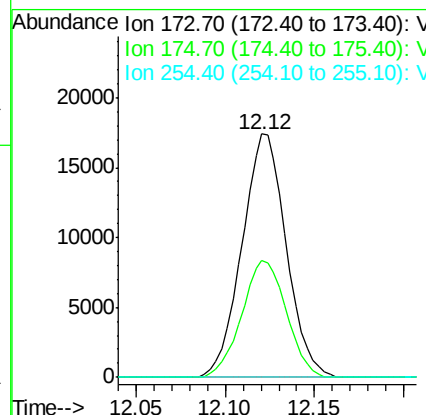
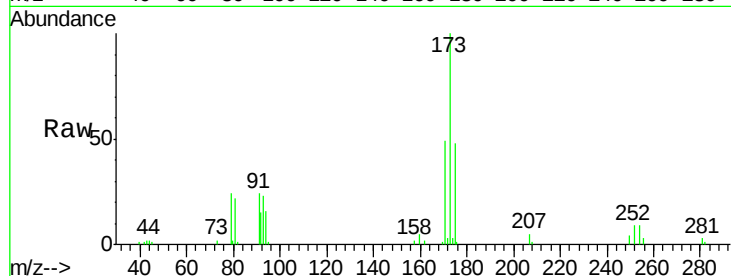
ClientSampleId :

VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:45:07 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

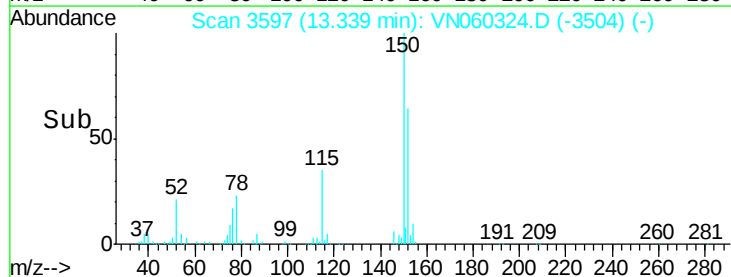
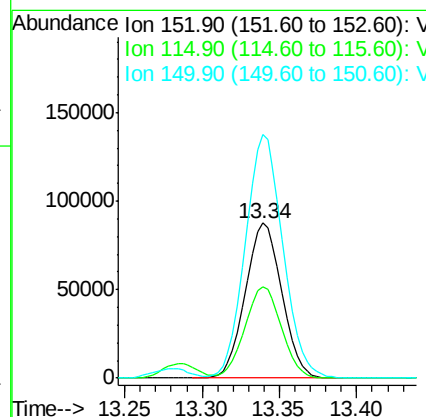
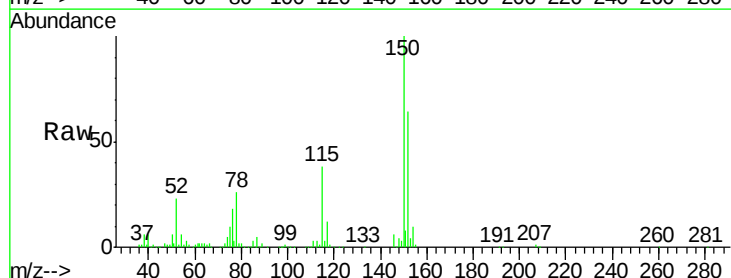
RT: 13.34 min Scan# 3597

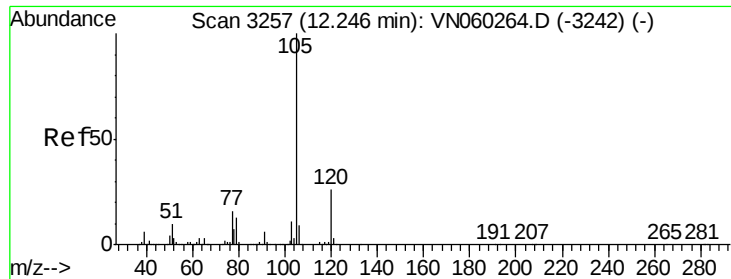
Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	162.1	0.0	349.6





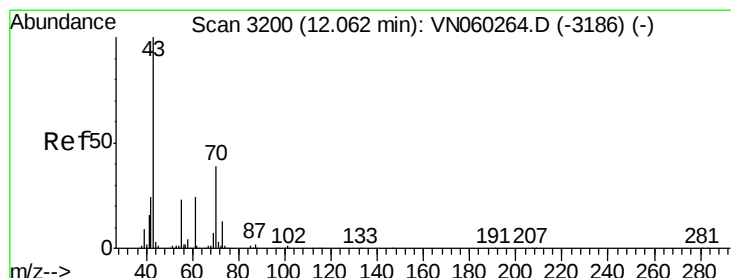
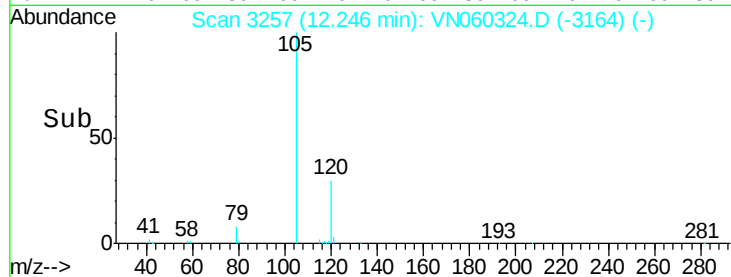
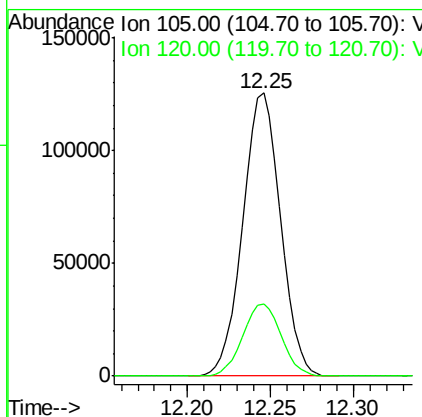
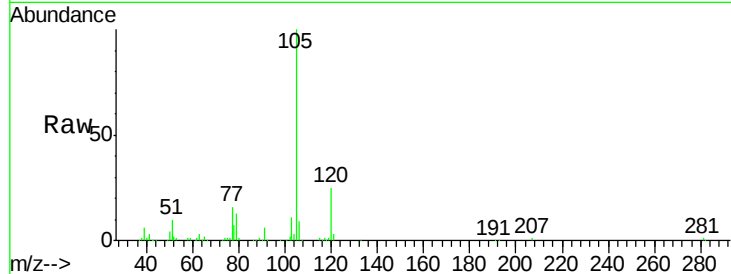
#73
Isopropylbenzene
Concen: 18.725 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

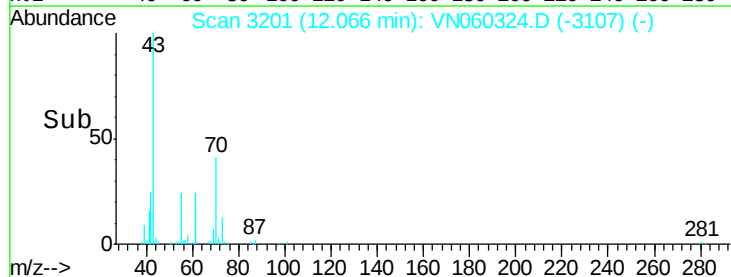
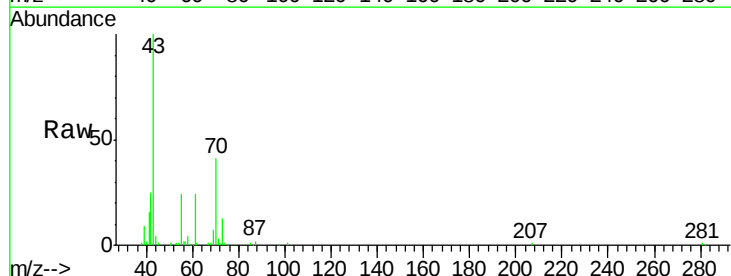
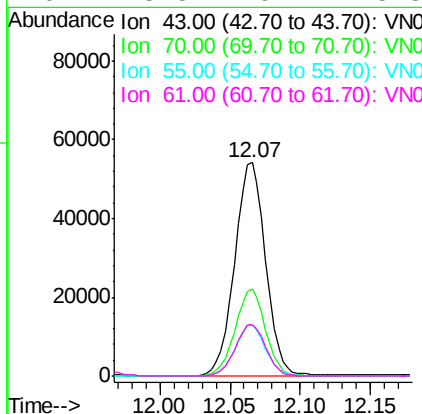
Manual Integrations
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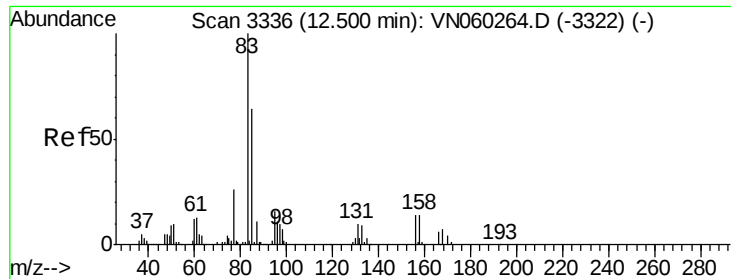
MMDadoda
3/4/2020 10:45:07 AM



#74
N-ethyl acetate
Concen: 18.000 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	23.3	18.2	27.4
61	23.8	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.001 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

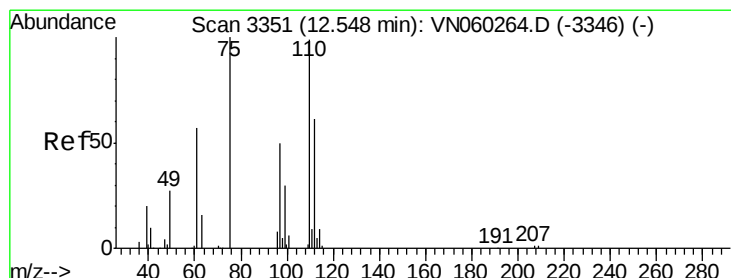
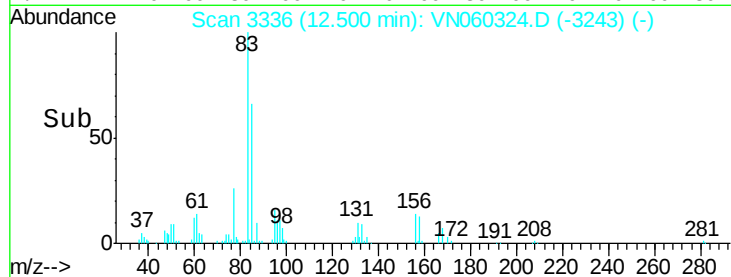
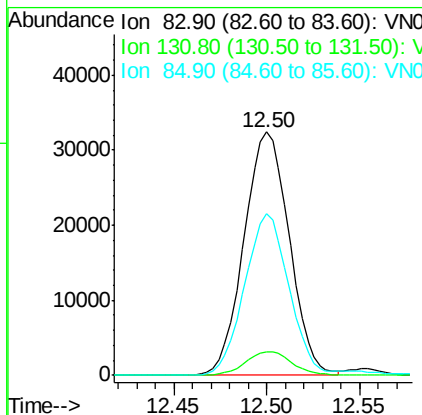
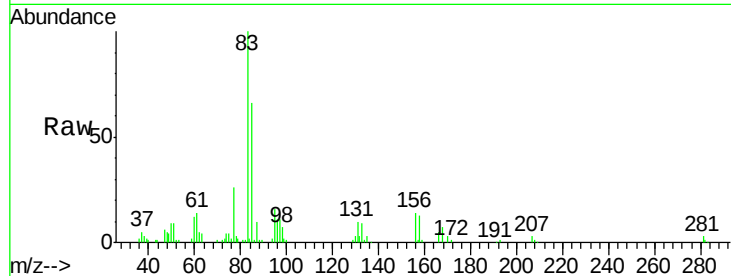
ClientSampleId :

VN0303WBSD01

Tot Ion:	83	Resp:	55013
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	65.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.854 ug/l m

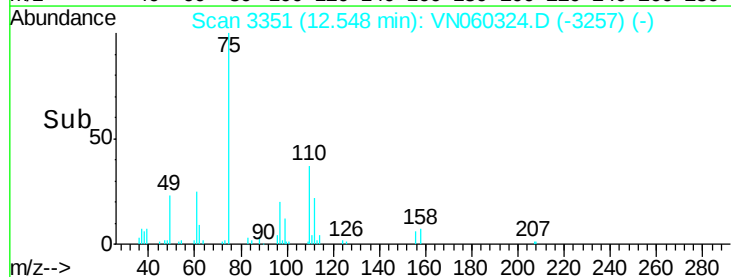
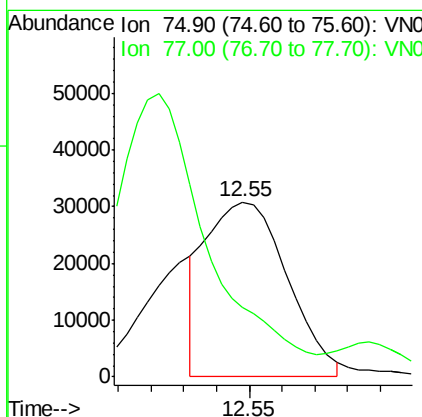
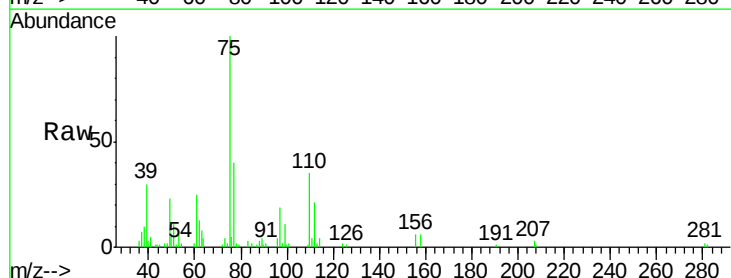
RT: 12.55 min Scan# 3351

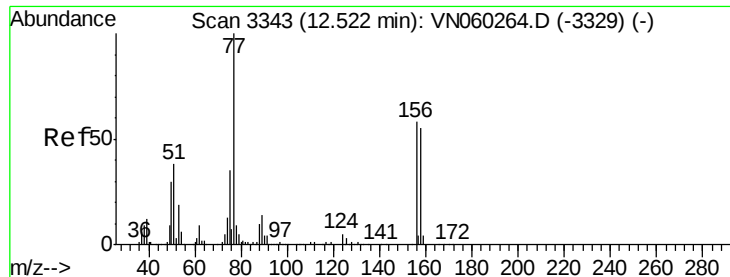
Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Tgt Ion:	75	Resp:	53139
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.273 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion:156 Resp: 47707

Ion Ratio Lower Upper

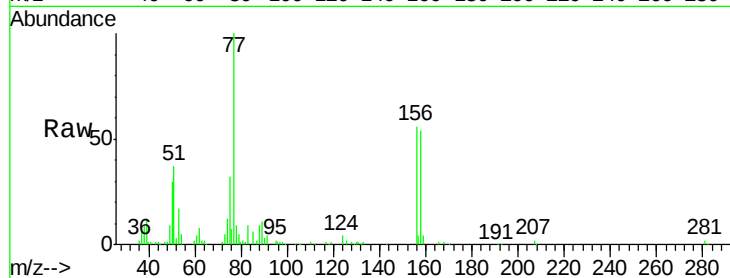
156 100

77 212.9 106.1 318.3

158 97.0 48.3 144.8

Manual Integrations
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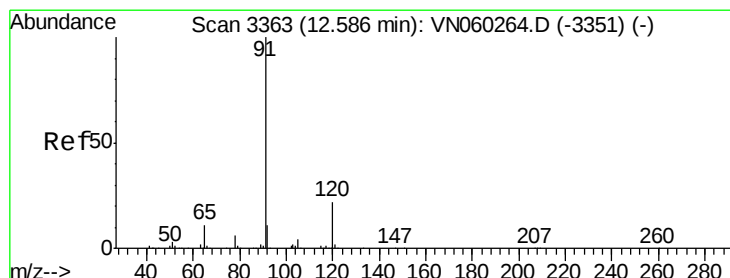
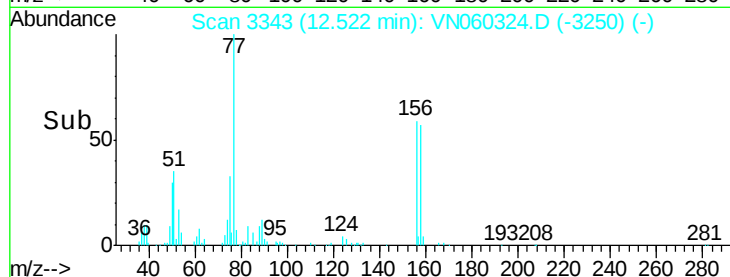
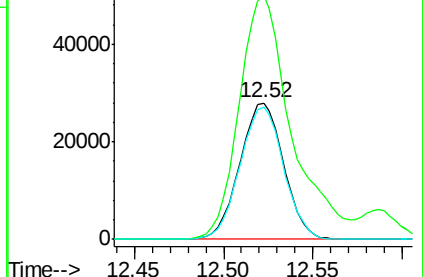
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.415 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060324.D

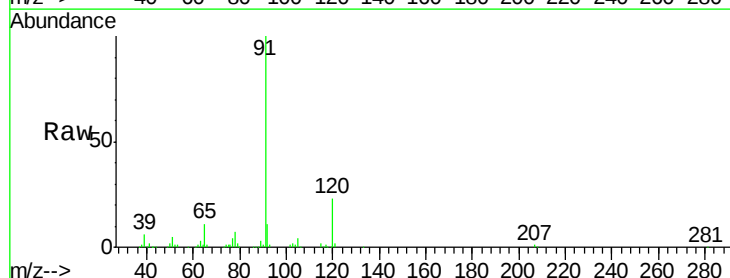
Acq: 3 Mar 2020 13:11

Tgt Ion: 91 Resp: 229906

Ion Ratio Lower Upper

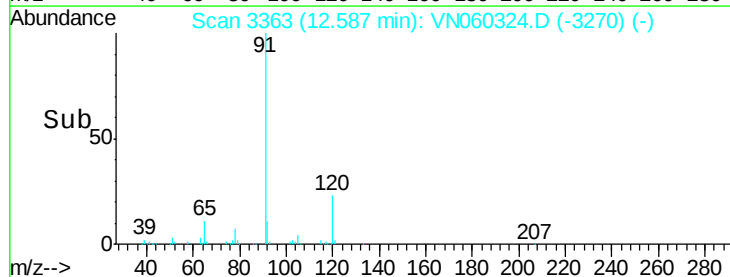
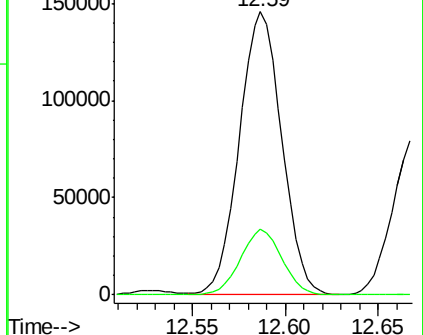
91 100

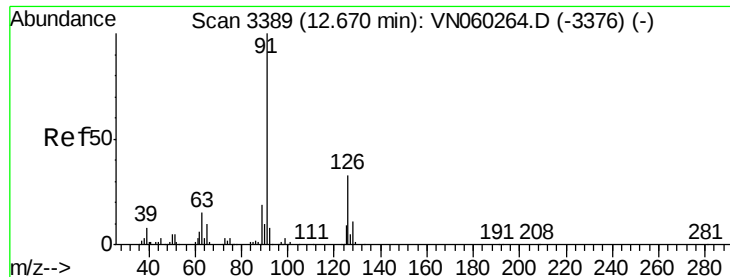
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.499 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 91 Resp: 135766

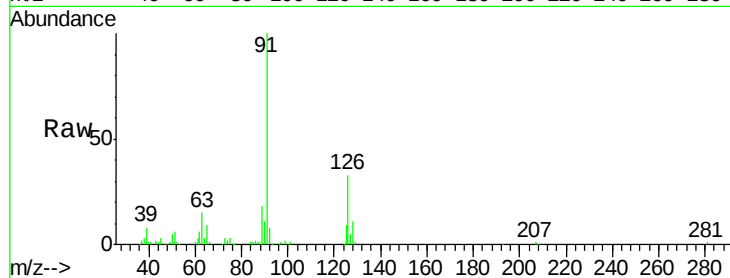
Ion Ratio Lower Upper

91 100

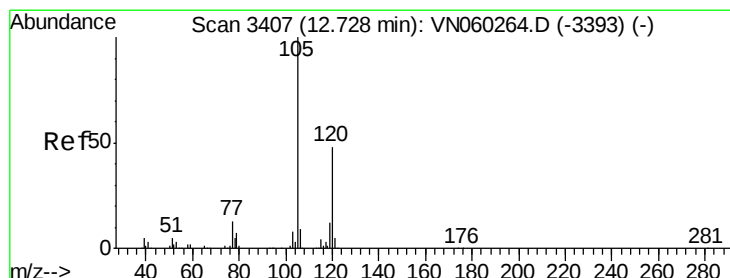
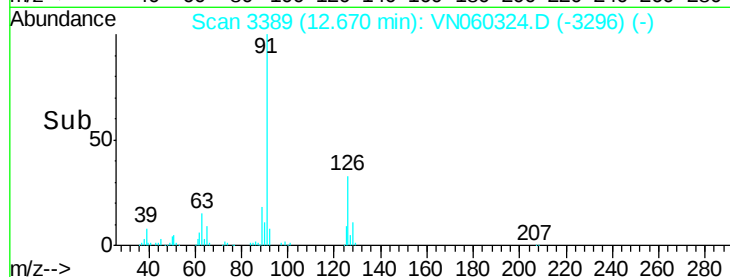
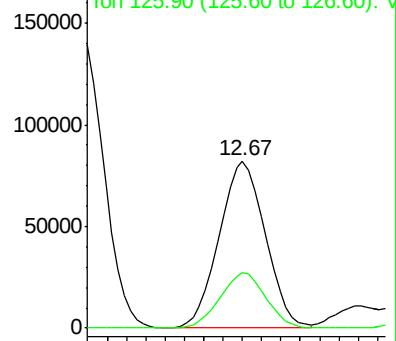
126 33.0 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN060324.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.552 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060324.D

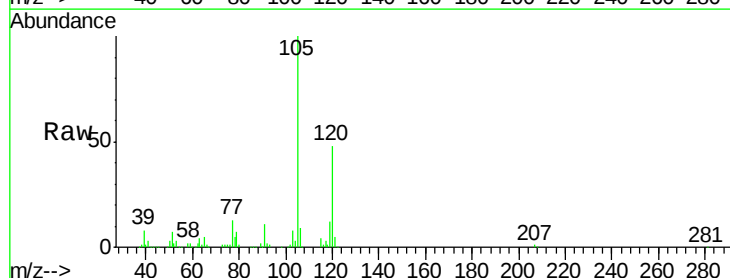
Acq: 3 Mar 2020 13:11

Tgt Ion: 105 Resp: 166371

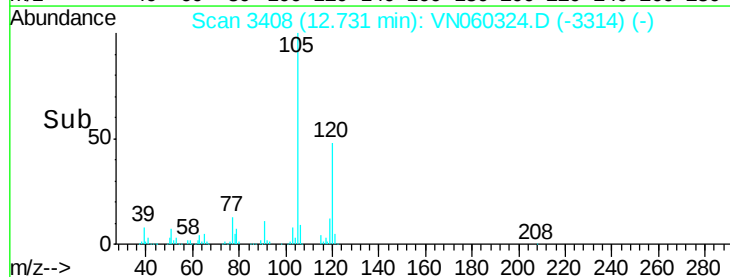
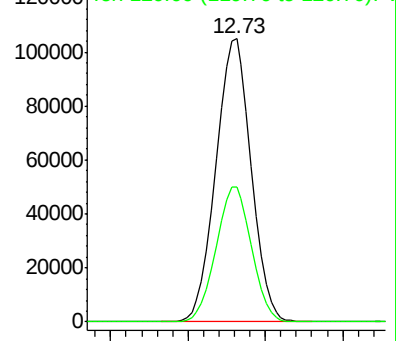
Ion Ratio Lower Upper

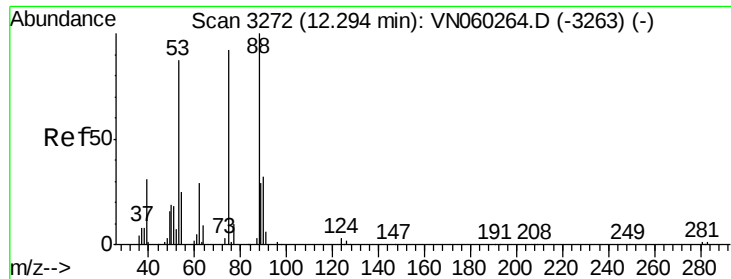
105 100

120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060324.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.893 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060324.D

Acq: 3 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBSD01

Tot Ion: 75 Resp: 21578

Ion Ratio Lower Upper

75 100

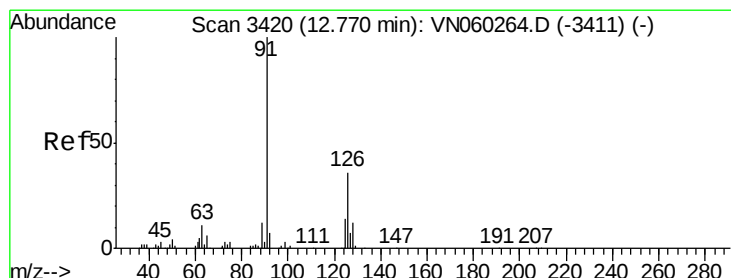
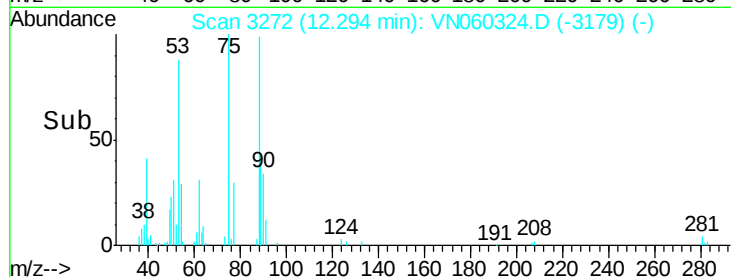
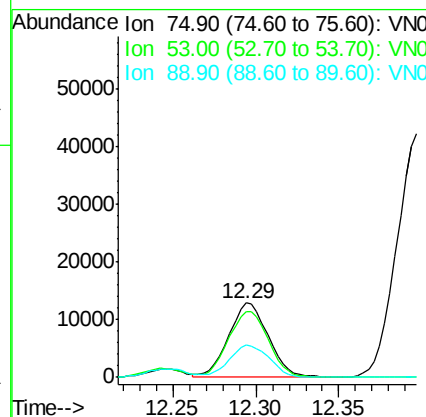
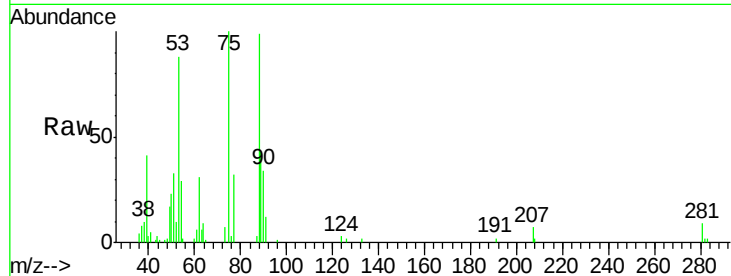
53 89.2 73.8 110.6

89 43.1 57.1 85.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.906 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060324.D

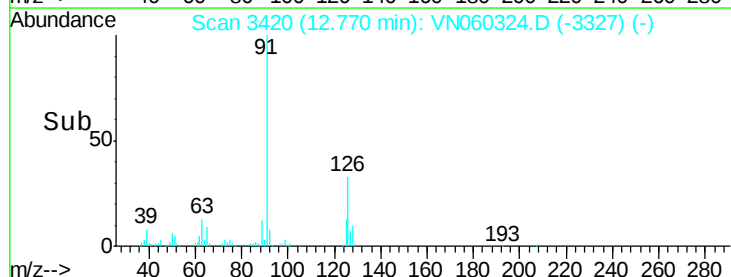
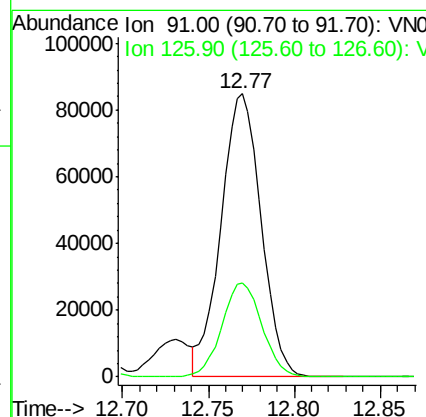
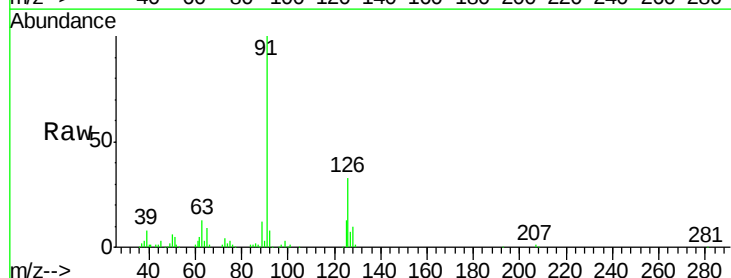
Acq: 3 Mar 2020 13:11

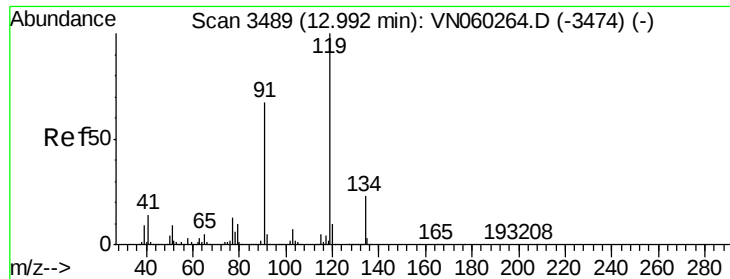
Tgt Ion: 91 Resp: 138450

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1





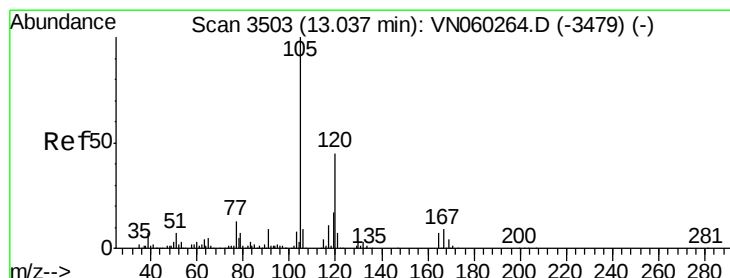
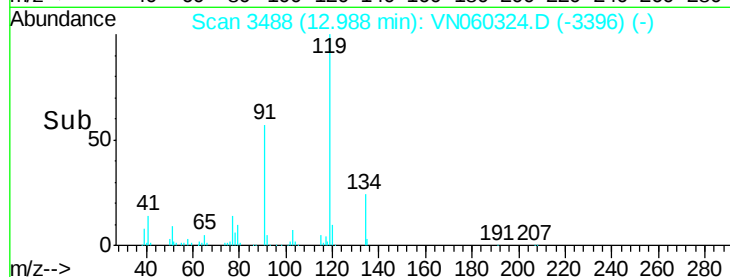
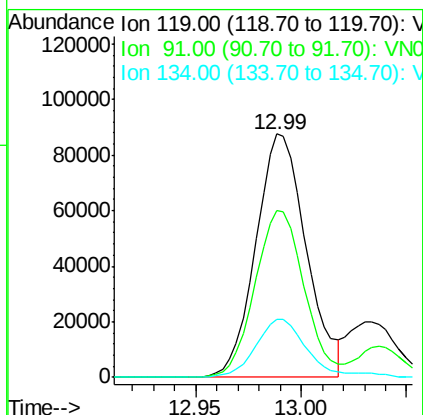
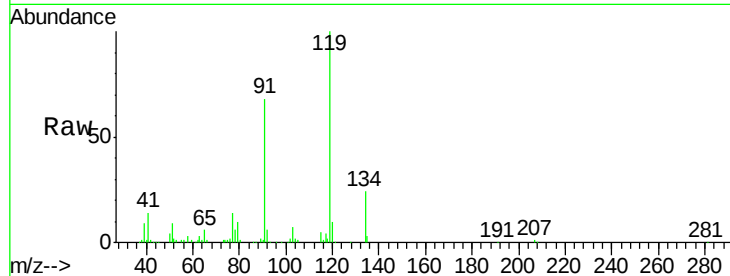
#83
tert-Butylbenzene
Concen: 18.769 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.1	99.2
134	24.7	12.4	37.0

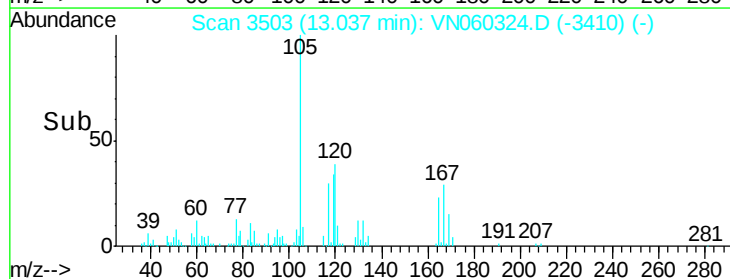
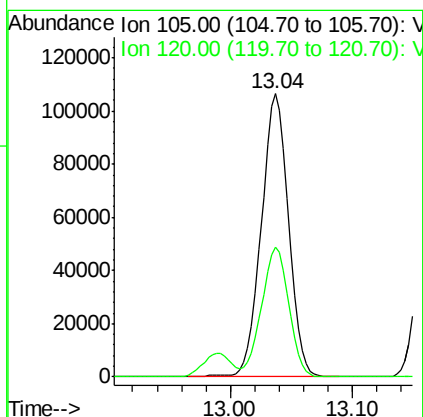
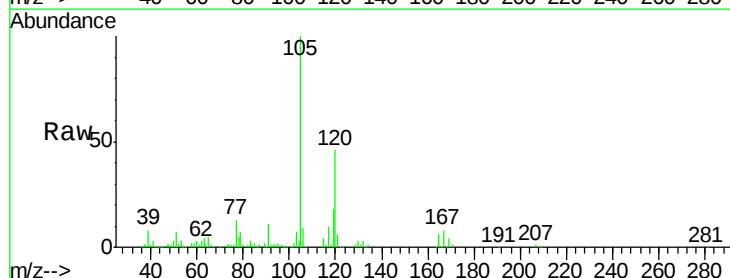
Manual Integrations
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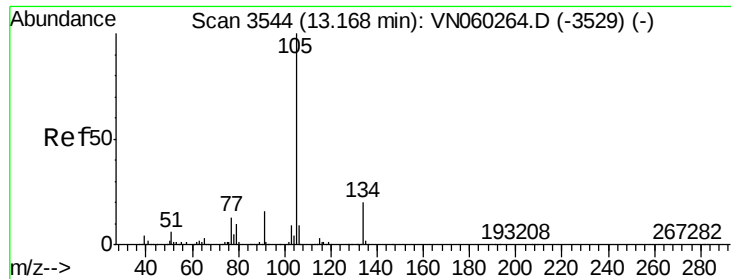
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#84
1,2,4-Trimethylbenzene
Concen: 18.258 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9





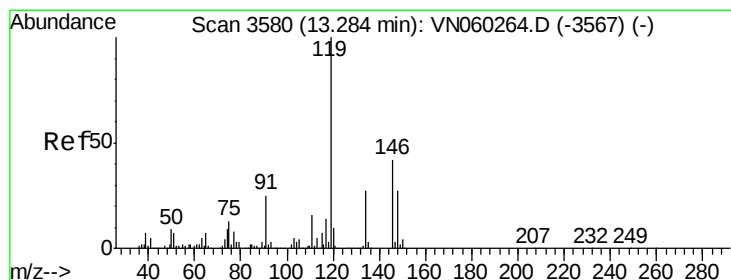
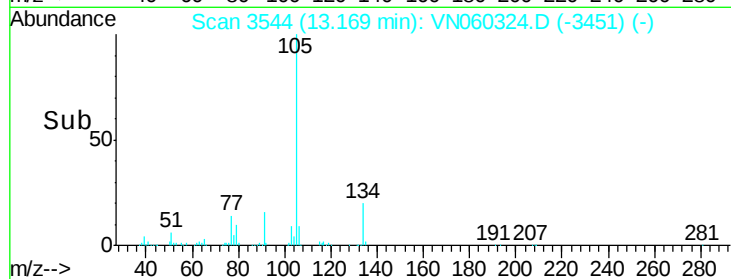
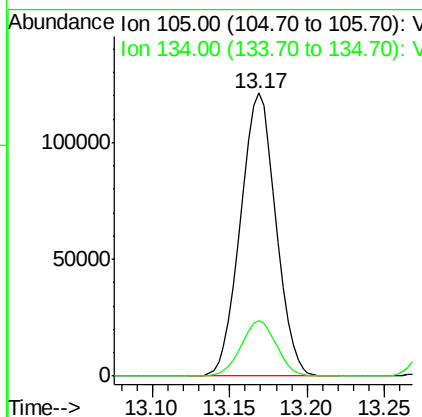
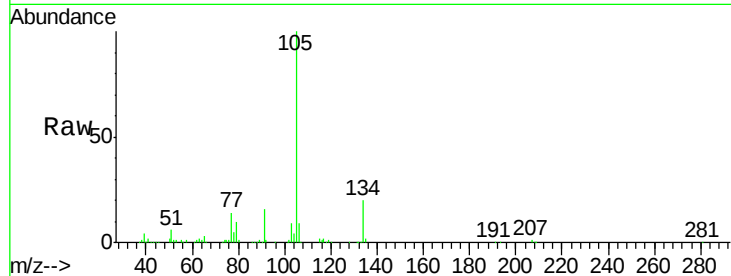
#85
 sec-Butylbenzene
 Concen: 18.551 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	192882		
134	19.5	9.8	29.5	

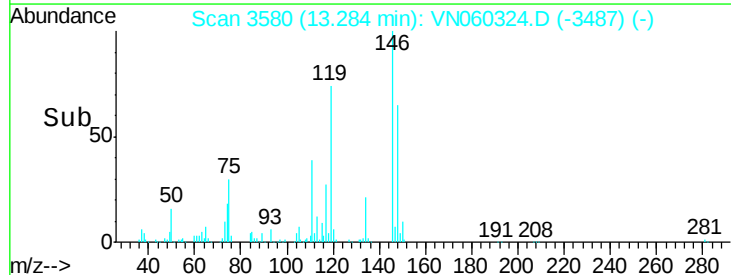
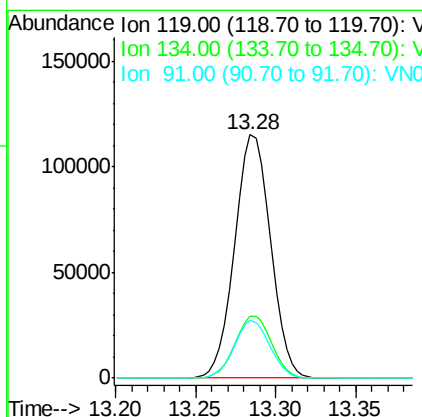
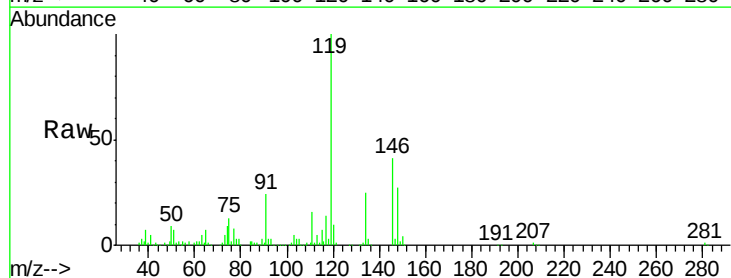
Manual Integrations
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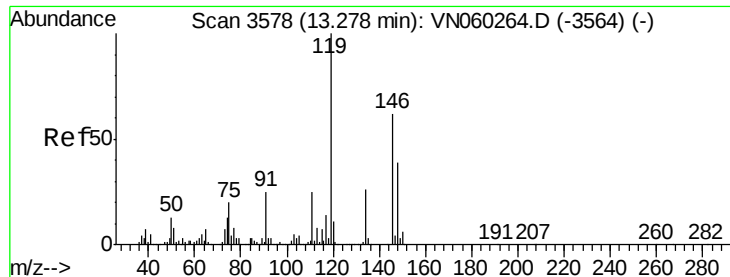
MMDadoda
 3/4/2020 10:45:07 AM



#86
 p-Isopropyltoluene
 Concen: 18.243 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175553		
134	25.9	13.2	39.6	
91	23.6	12.2	36.6	





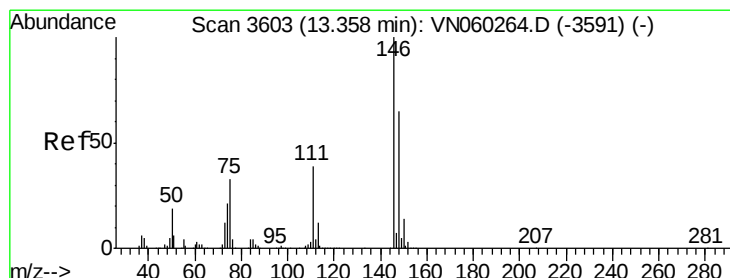
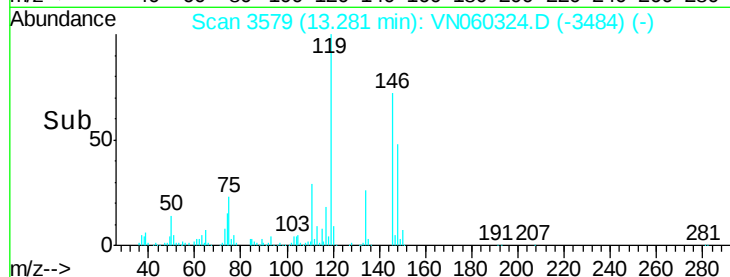
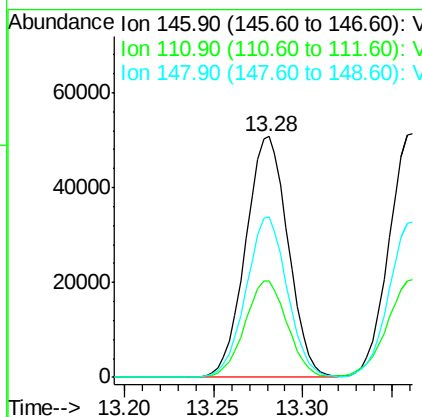
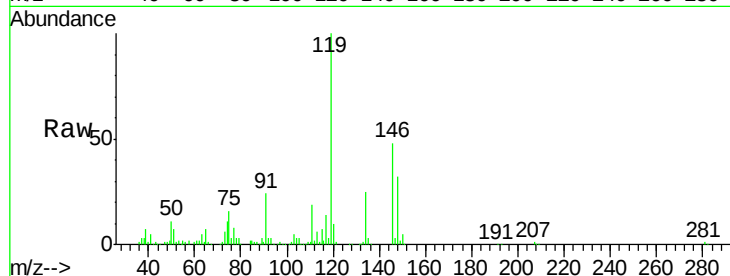
#87
 1,3-Dichlorobenzene
 Concen: 18.716 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.7	32.1	96.3

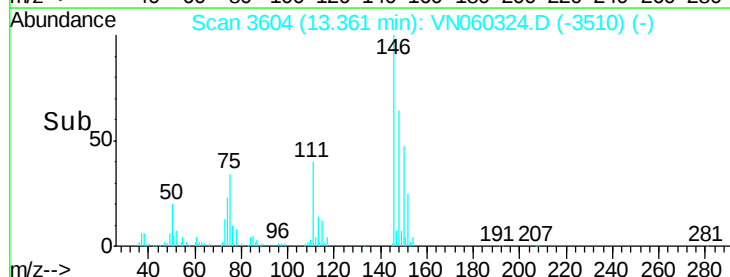
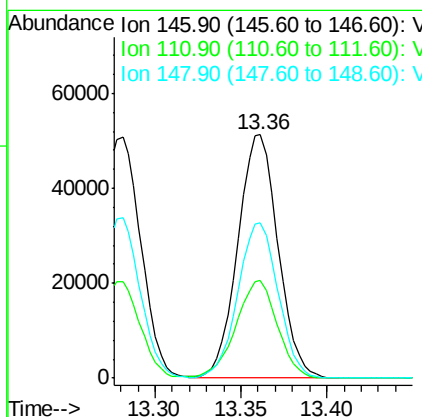
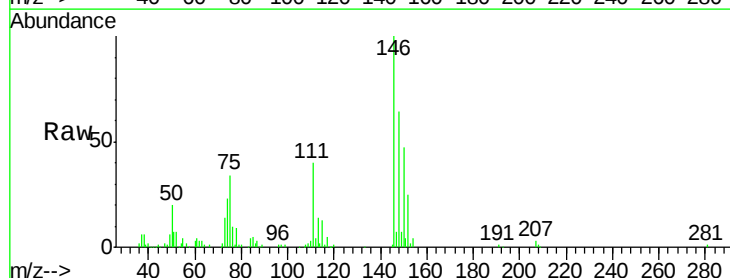
Manual Integrations
 APPROVED

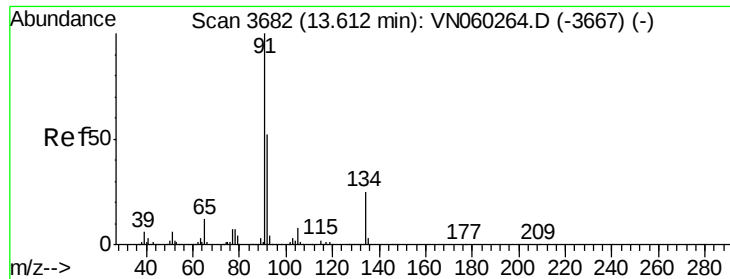
MMDadoda
 3/4/2020 10:45:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.552 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.8	59.4
148	63.7	32.3	96.9





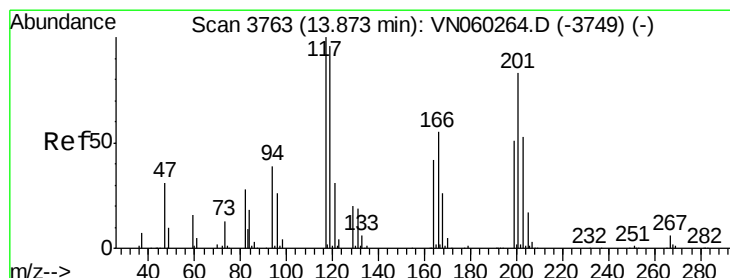
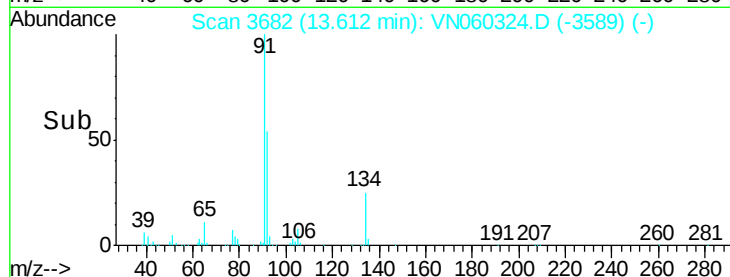
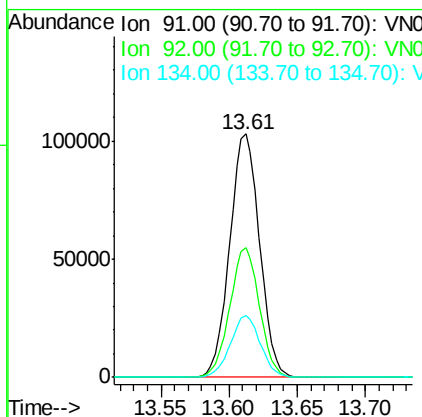
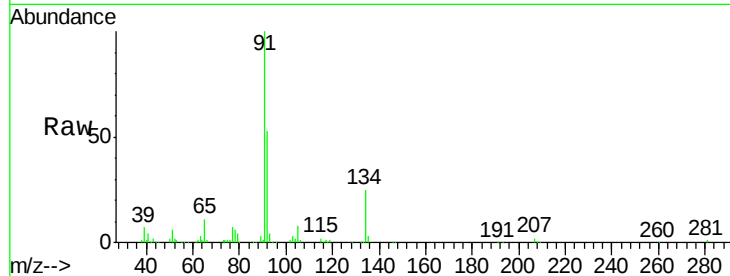
#89
n-Butylbenzene
Concen: 17.755 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	25.2	12.7	38.1

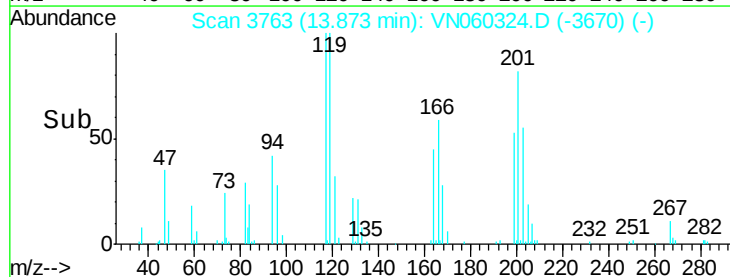
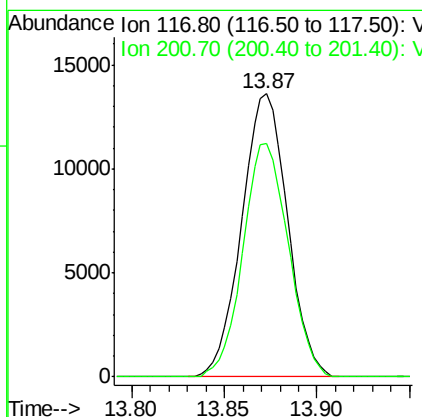
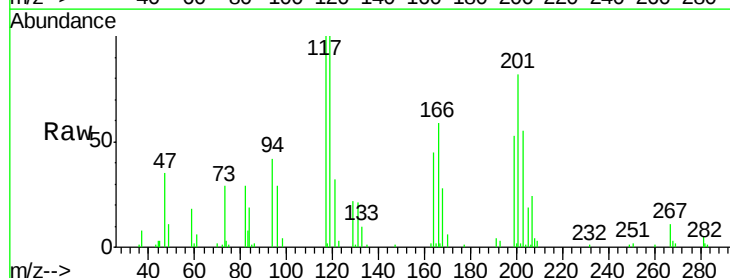
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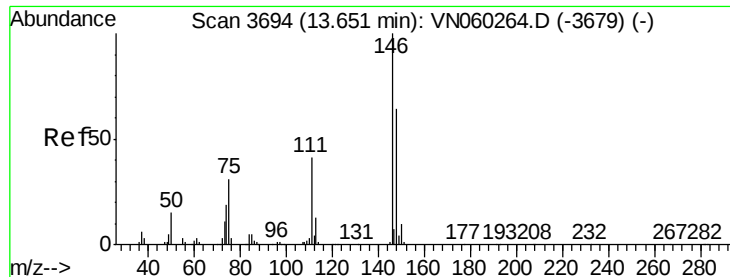
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#90
Hexachloroethane
Concen: 16.773 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.0	123.0





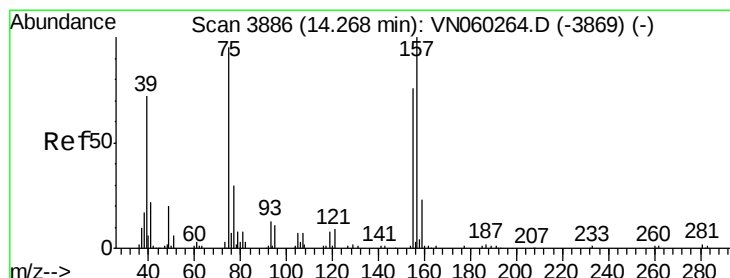
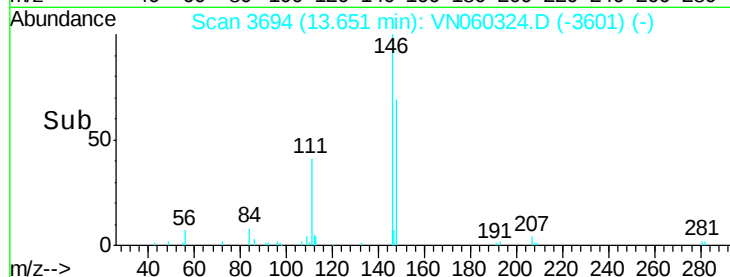
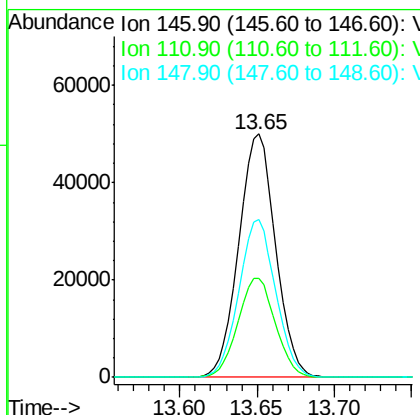
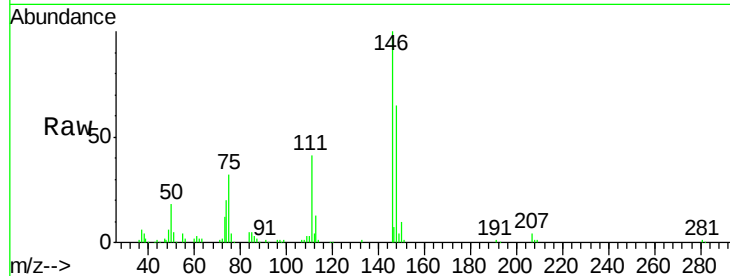
#91
 1,2-Dichlorobenzene
 Concen: 18.098 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.7	31.8	95.3

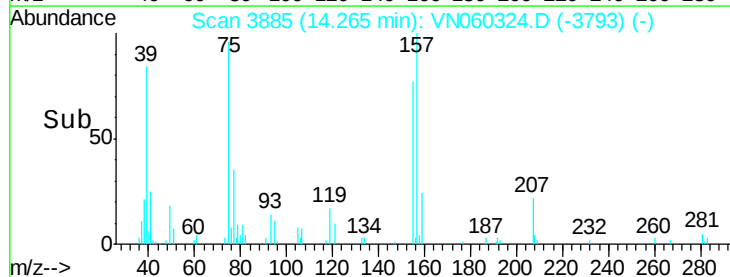
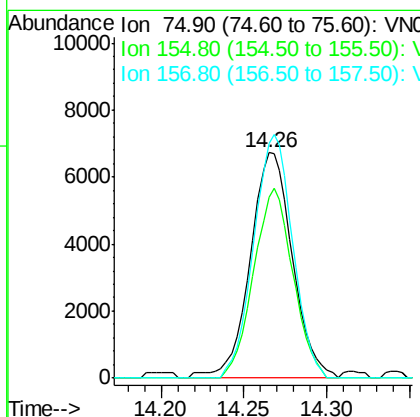
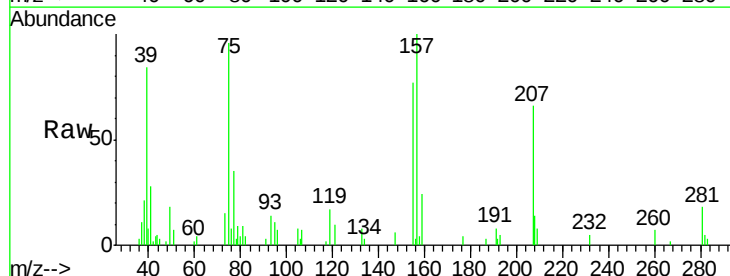
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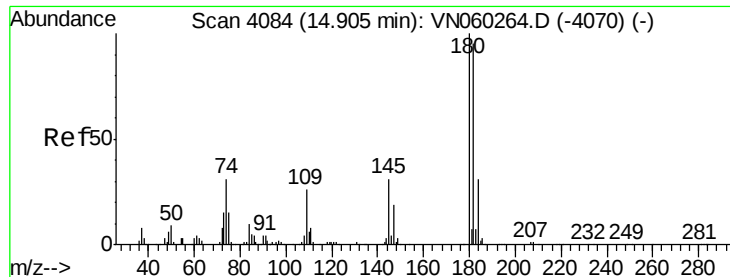
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.143 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	40.4	121.2
157	99.5	52.5	157.5





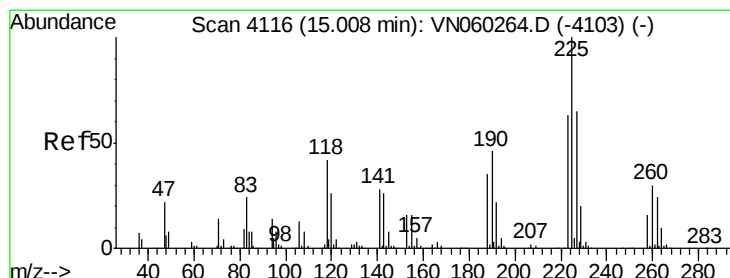
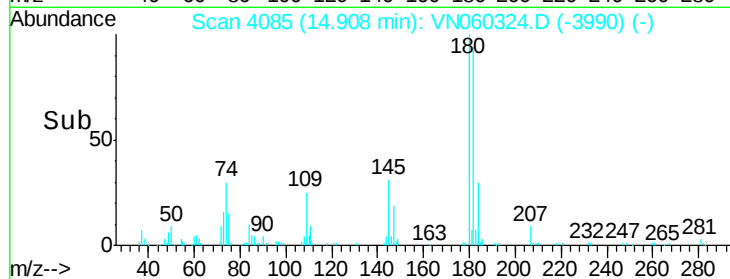
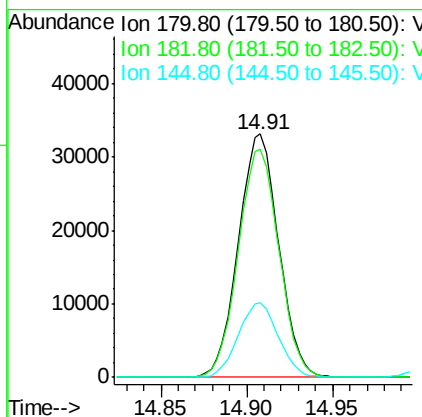
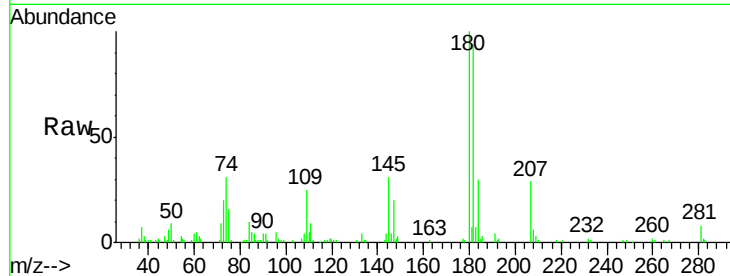
#93
 1,2,4-Trichlorobenzene
 Concen: 18.618 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.5	15.4	46.1

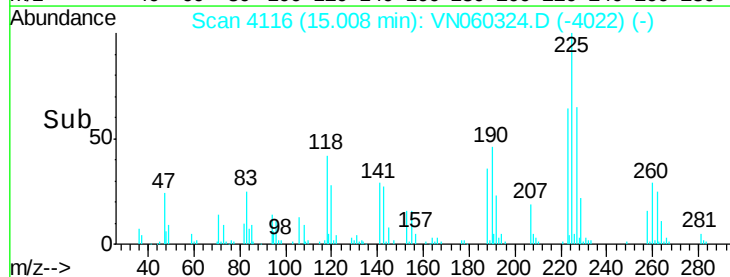
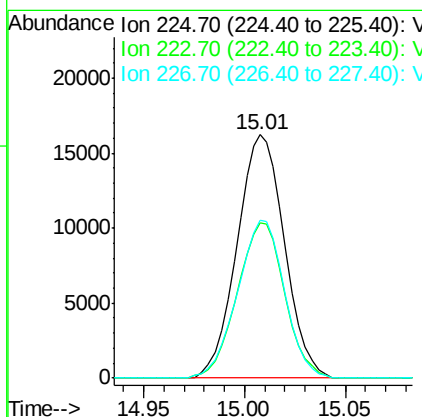
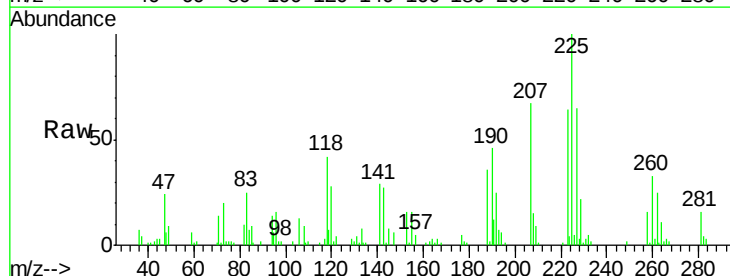
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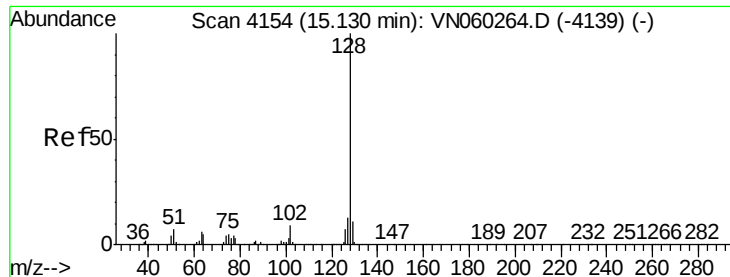
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#94
 Hexachlorobutadiene
 Concen: 19.591 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060324.D
 Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.9
227	64.3	32.3	96.9





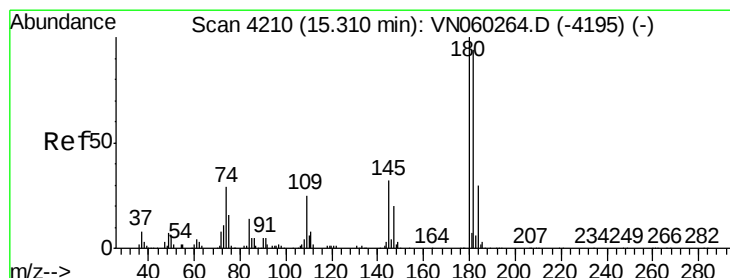
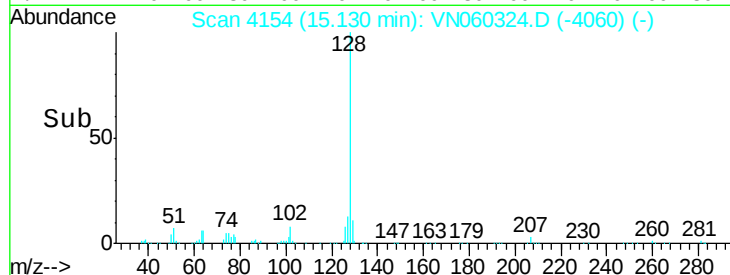
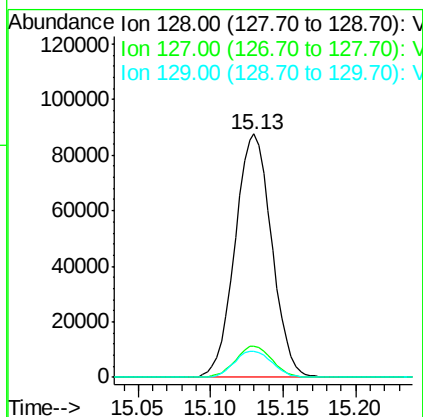
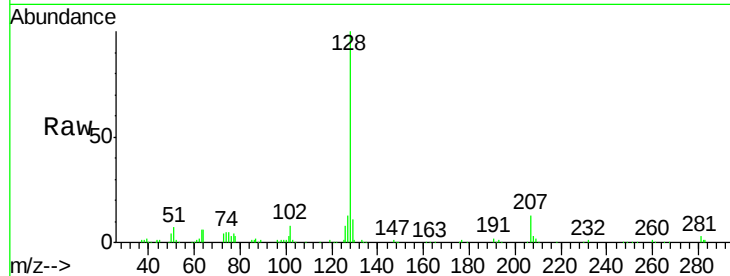
#95
Naphthalene
Concen: 17.780 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.505 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060324.D
Acq: 3 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	33.4	16.2	48.5

