

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060874.D
 Acq On : 7 Apr 2020 14:10
 Operator : JC/MD
 Sample : VN0407WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:08 AM

Quant Time: Apr 08 07:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	328869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133695	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.56	113	101256	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.08	98	401805	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	147340	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32840	16.956	ug/l	99
3) Chloromethane	2.04	50	57570	15.915	ug/l	98
4) Vinyl Chloride	2.17	62	47264	16.705	ug/l	99
5) Bromomethane	2.55	94	24493	20.054	ug/l	100
6) Chloroethane	2.69	64	29909	18.351	ug/l	98
7) Trichlorofluoromethane	3.00	101	64556	18.523	ug/l	99
8) Diethyl Ether	3.38	74	27256	19.467	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39718	19.667	ug/l	100
10) Methyl Iodide	3.93	142	30829	17.156	ug/l	99
11) Tert butyl alcohol	4.72	59	35738	88.435	ug/l	98
12) 1,1-Dichloroethene	3.72	96	39264	18.118	ug/l	96
13) Acrolein	3.58	56	25161	56.178	ug/l	97
14) Allyl chloride	4.29	41	71975	18.883	ug/l	96
15) Acrylonitrile	4.94	53	109150	91.851	ug/l	100
16) Acetone	3.78	43	93790	96.360	ug/l	96
17) Carbon Disulfide	4.03	76	109257	16.577	ug/l	99
18) Methyl Acetate	4.28	43	52947	19.326	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	141298	18.964	ug/l	98
20) Methylene Chloride	4.52	84	44497	18.584	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	42297	18.313	ug/l	97
22) Diisopropyl ether	5.91	45	160701	19.956	ug/l	97
23) Vinyl Acetate	5.86	43	639641	97.353	ug/l	99
24) 1,1-Dichloroethane	5.81	63	85210	19.410	ug/l	99
25) 2-Butanone	6.80	43	144596	91.806	ug/l	98
26) 2,2-Dichloropropane	6.79	77	72227	20.912	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49798	18.973	ug/l	98
28) Bromochloromethane	7.17	49	42747	20.353	ug/l	98
29) Tetrahydrofuran	7.18	42	98136	88.063	ug/l	98
30) Chloroform	7.35	83	81996	19.484	ug/l	99
31) Cyclohexane	7.63	56	80473	18.183	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	69348	19.115	ug/l	99
36) 1,1-Dichloropropene	7.77	75	62060	19.488	ug/l	99
37) Ethyl Acetate	6.89	43	62912	18.284	ug/l	99
38) Carbon Tetrachloride	7.75	117	54714	19.170	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73984	19.550	ug/l	98
40) Benzene	8.02	78	186263	19.376	ug/l	100
41) Methacrylonitrile	7.15	41	32003m	21.793	ug/l	
42) 1,2-Dichloroethane	8.10	62	64101	19.511	ug/l	100
43) Isopropyl Acetate	8.14	43	107746	18.987	ug/l	99
44) Trichloroethene	8.82	130	47141	19.453	ug/l	95
45) 1,2-Dichloropropane	9.10	63	52078	20.531	ug/l	97
46) Dibromomethane	9.19	93	30154	19.663	ug/l	99
47) Bromodichloromethane	9.38	83	63296	19.863	ug/l	98
48) Methyl methacrylate	9.18	41	47305	18.723	ug/l	98
49) 1,4-Dioxane	9.18	88	11964	398.391	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	304876	94.414	ug/l	99
52) Toluene	10.14	92	114235	19.676	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	73476	20.073	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79492	19.795	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43632	19.535	ug/l	99
56) Ethyl methacrylate	10.42	69	66033	18.961	ug/l	99
57) 1,3-Dichloropropane	10.70	76	76560	19.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151153	87.327	ug/l	99
59) 2-Hexanone	10.74	43	213875	91.945	ug/l	99
60) Dibromochloromethane	10.89	129	45703	19.810	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43452	19.347	ug/l	100
64) Tetrachloroethene	10.62	164	44726	19.003	ug/l	98
65) Chlorobenzene	11.43	112	115275	19.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42897	19.982	ug/l	99
67) Ethyl Benzene	11.50	91	217587	19.733	ug/l	99
68) m/p-Xylenes	11.62	106	159733	38.984	ug/l	99
69) o-Xylene	11.94	106	76233	19.489	ug/l	98
70) Styrene	11.96	104	123081	19.240	ug/l	100
71) Bromoform	12.12	173	31431	18.704	ug/l #	99
73) Isopropylbenzene	12.24	105	208446	19.437	ug/l	100
74) N-amyl acetate	12.06	43	88226	17.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61742	19.038	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56618m	18.362	ug/l	
77) Bromobenzene	12.52	156	64817	25.083	ug/l	70
78) n-propylbenzene	12.59	91	247745	19.554	ug/l	98
79) 2-Chlorotoluene	12.67	91	144144	19.041	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	175346	19.267	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21304	17.745	ug/l	98
82) 4-Chlorotoluene	12.77	91	148604	19.274	ug/l	99
83) tert-Butylbenzene	12.99	119	148024	19.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	175667	19.511	ug/l	100
85) sec-Butylbenzene	13.17	105	202550	19.966	ug/l	100
86) p-Isopropyltoluene	13.28	119	181551	19.902	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	88213	19.355	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87009	19.002	ug/l	98
89) n-Butylbenzene	13.61	91	167846	20.379	ug/l	99
90) Hexachloroethane	13.87	117	27662	20.861	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86203	19.781	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11779	17.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53054	19.824	ug/l	98
94) Hexachlorobutadiene	15.01	225	28396	21.644	ug/l	98
95) Naphthalene	15.13	128	144649	17.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50914	19.315	ug/l	99

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

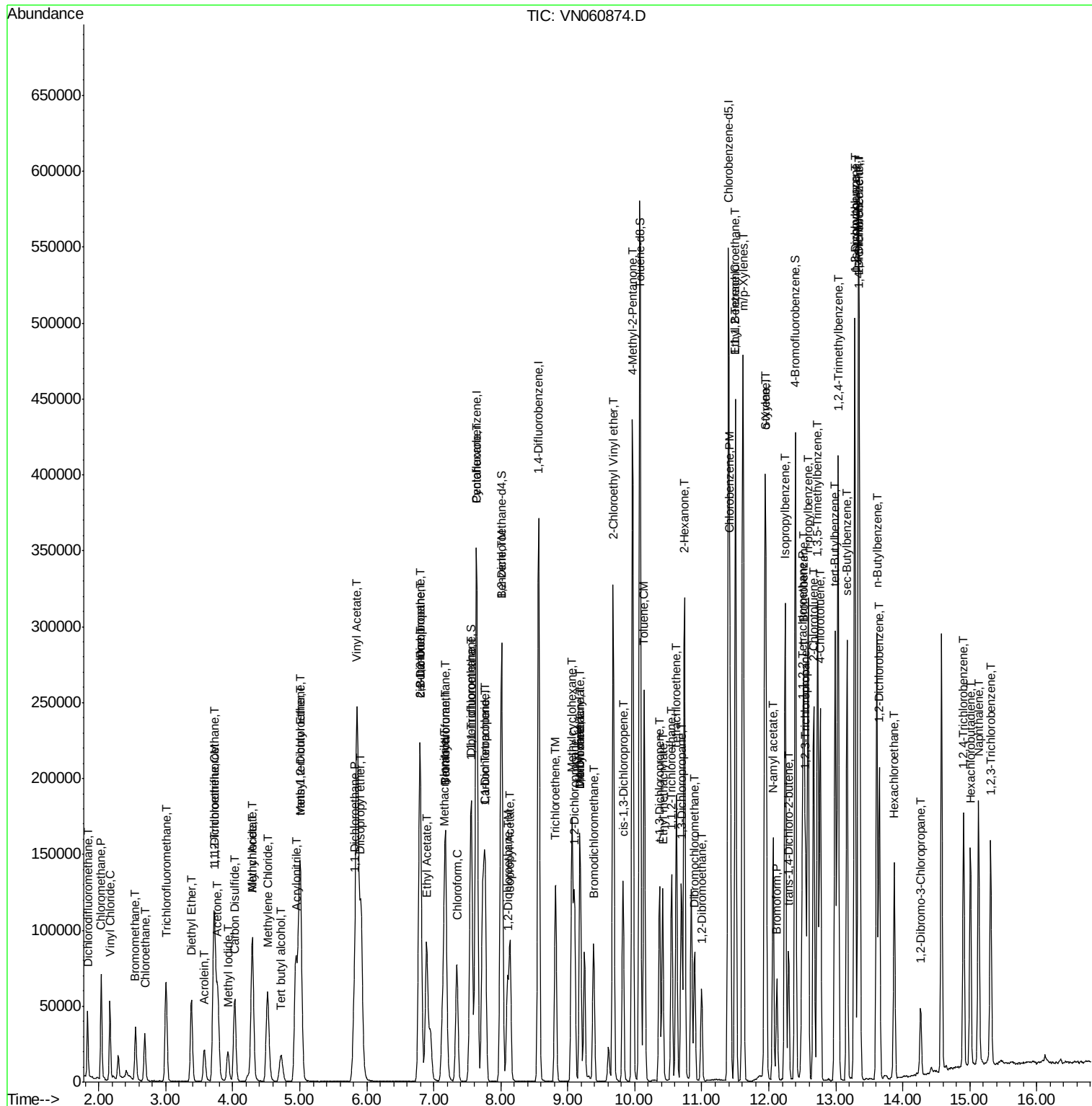
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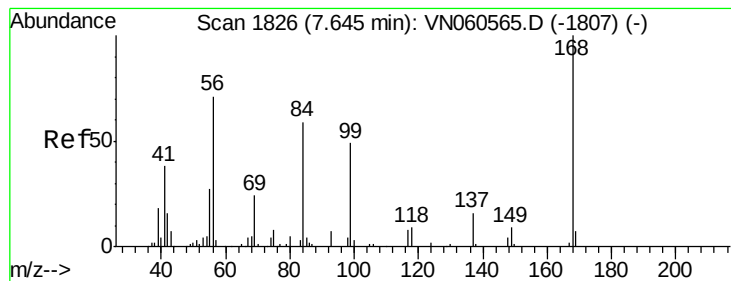
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion:168 Resp: 200165

Ion Ratio Lower Upper

168 100

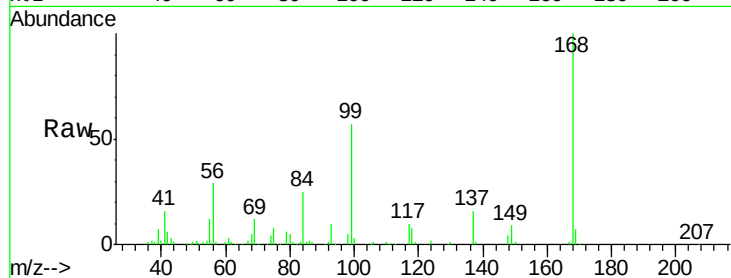
99 57.2 44.0 66.0

Manual Integrations

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4/8/2020 9:39:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

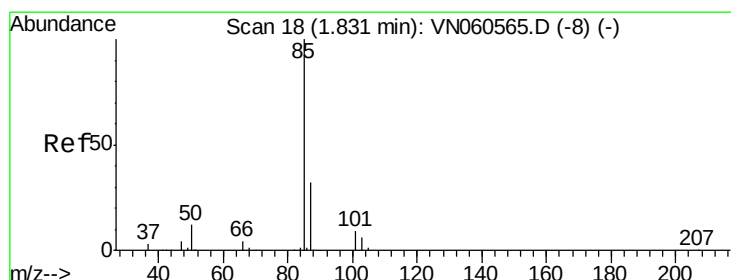
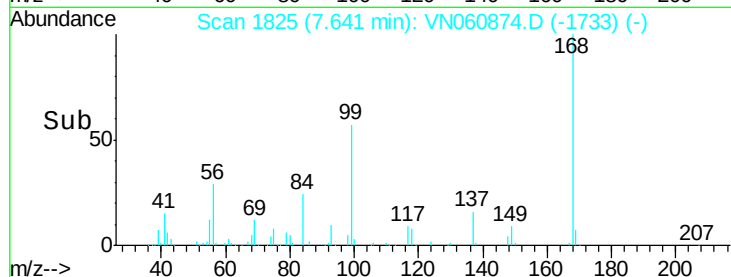
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.956 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060874.D

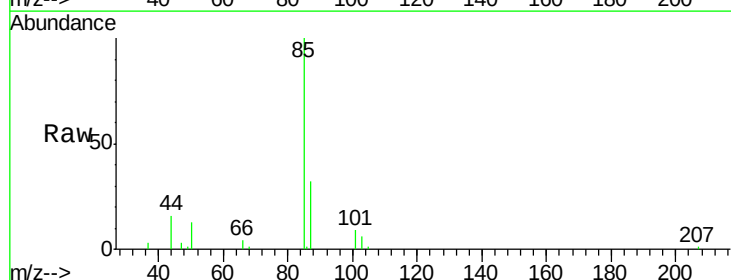
Acq: 7 Apr 2020 14:10

Tgt Ion: 85 Resp: 32840

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

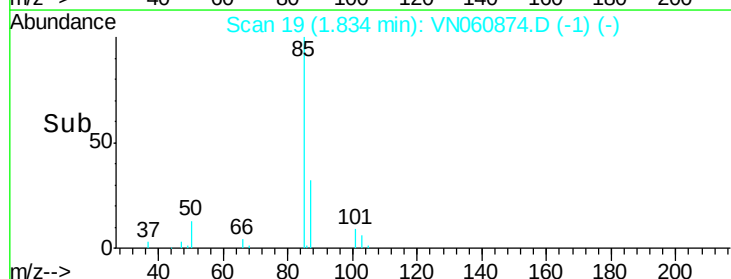
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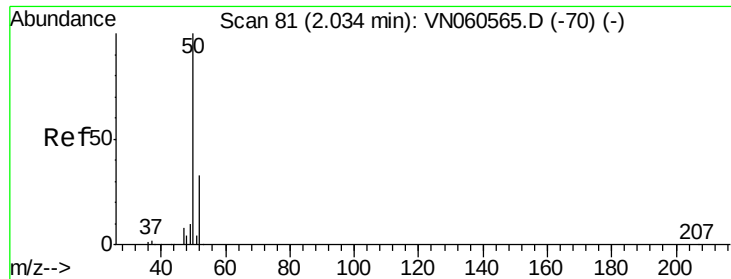
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.915 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 50 Resp: 57570

Ion Ratio Lower Upper

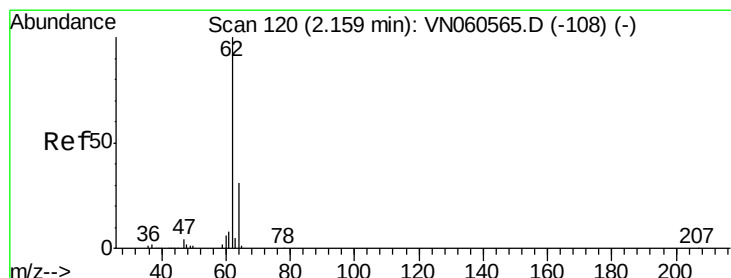
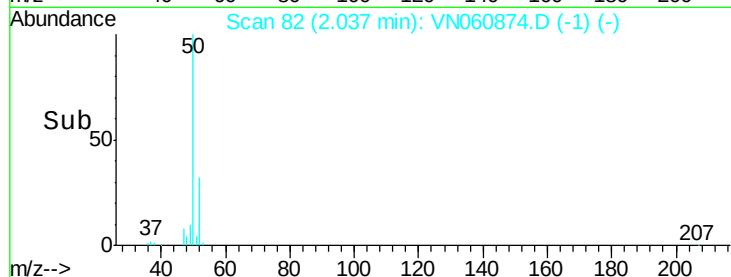
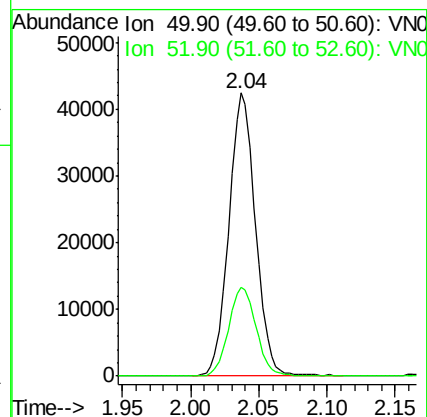
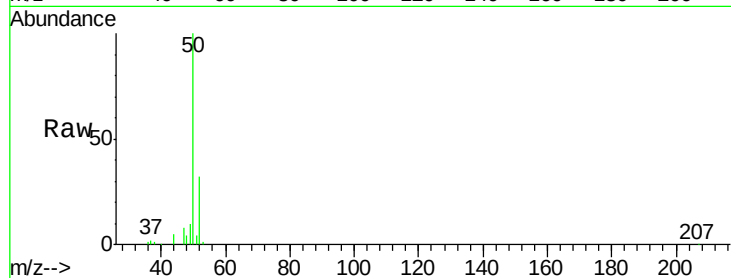
50 100

52 31.6 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.705 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060874.D

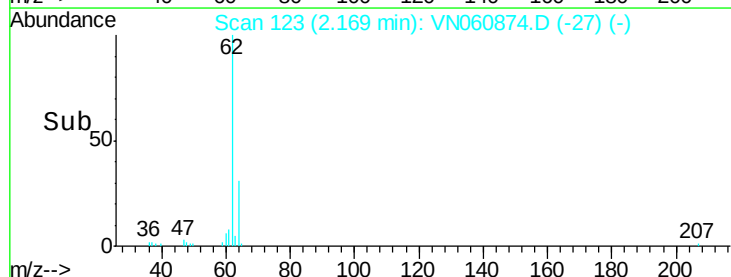
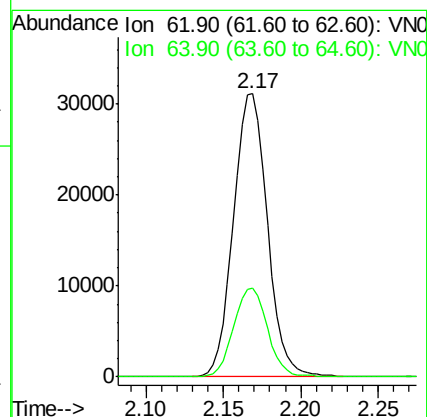
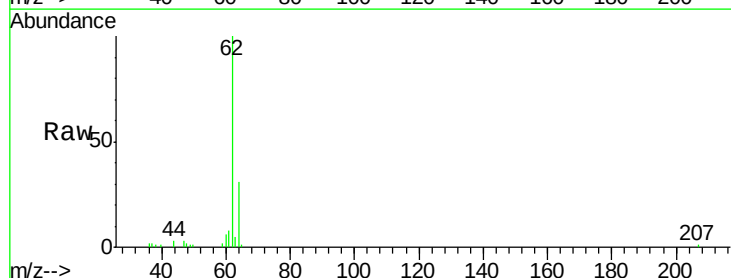
Acq: 7 Apr 2020 14:10

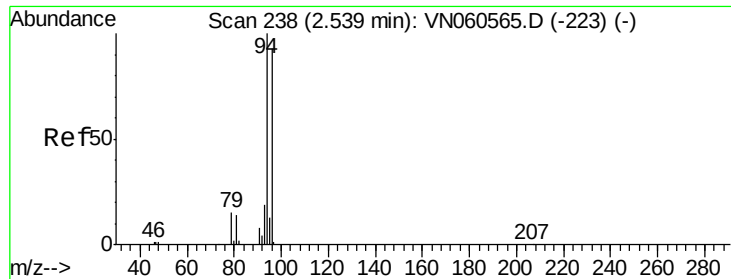
Tgt Ion: 62 Resp: 47264

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 20.054 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 24493

Ion Ratio Lower Upper

94 100

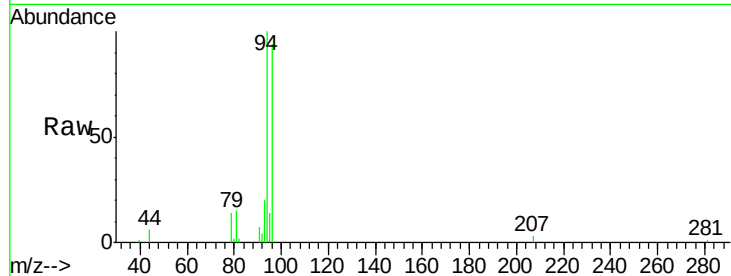
96 93.7 74.6 112.0

Manual Integrations

APPROVED

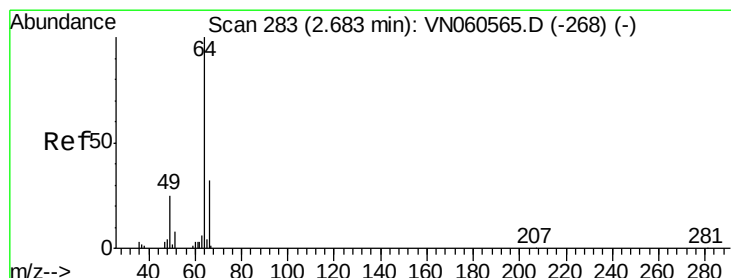
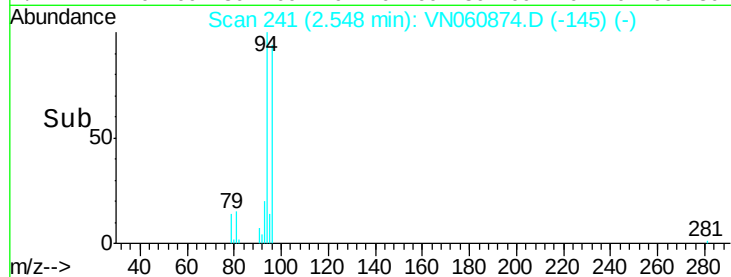
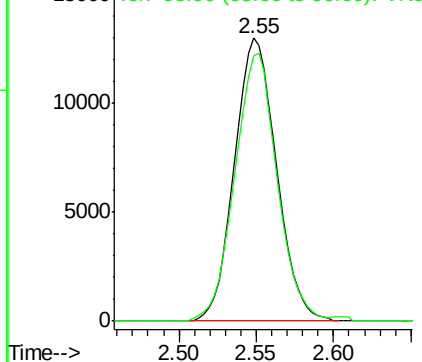
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.351 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060874.D

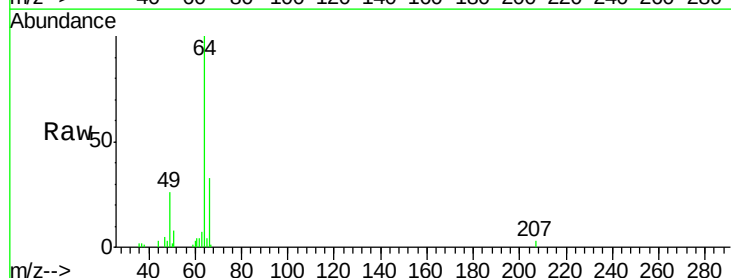
Acq: 7 Apr 2020 14:10

Tgt Ion: 64 Resp: 29909

Ion Ratio Lower Upper

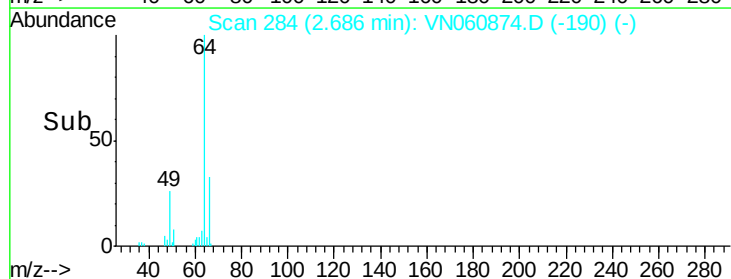
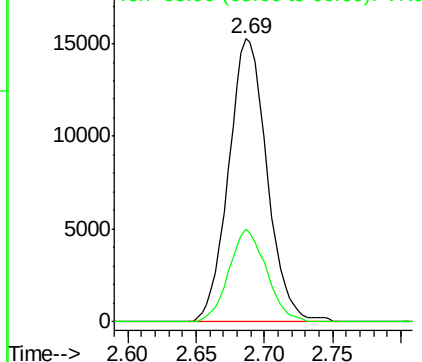
64 100

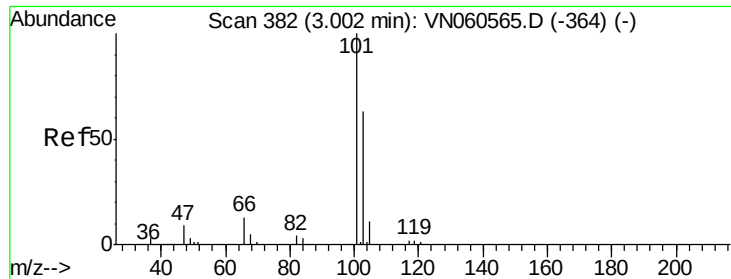
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

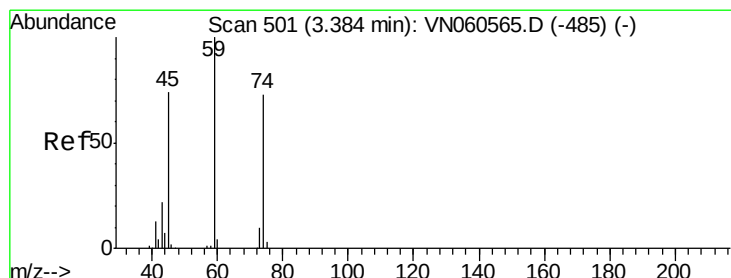
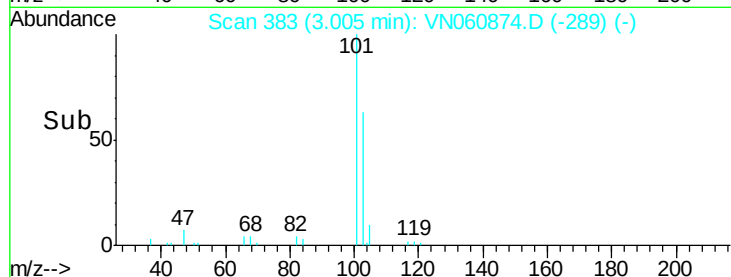
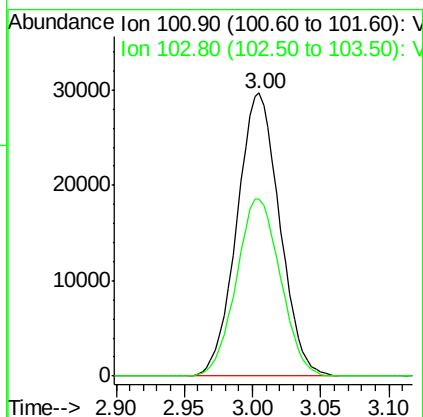
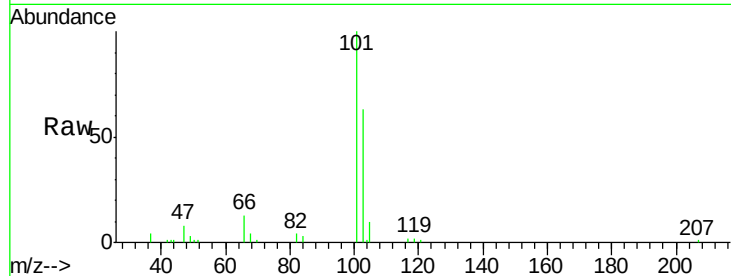
Trichlorofluoromethane
 Concen: 18.523 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060874.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.6	76.0

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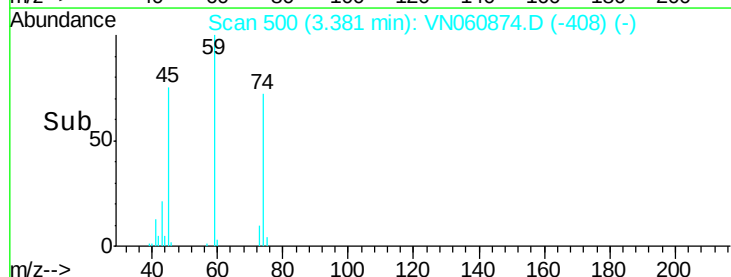
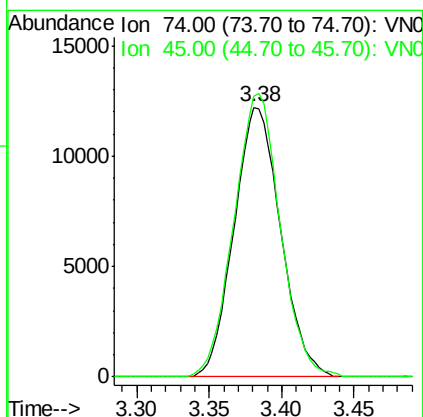
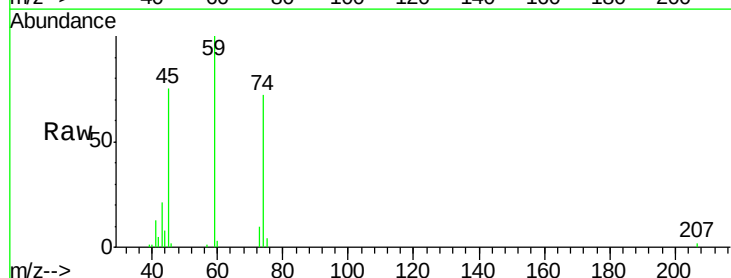
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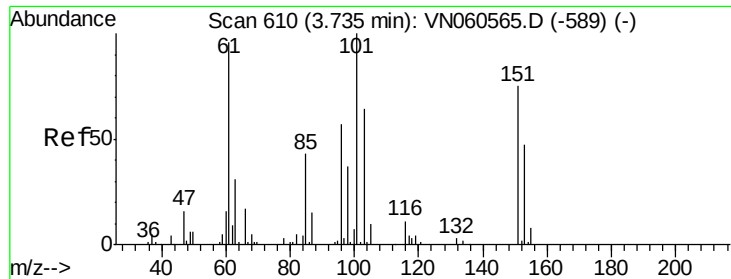


#8

Diethyl Ether
 Concen: 19.467 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060874.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.667 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

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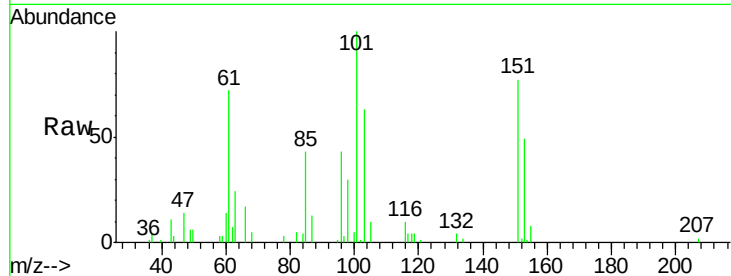
ClientSampleId :

VN0407WBSD01

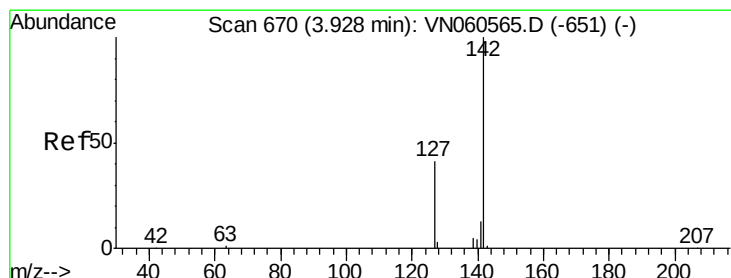
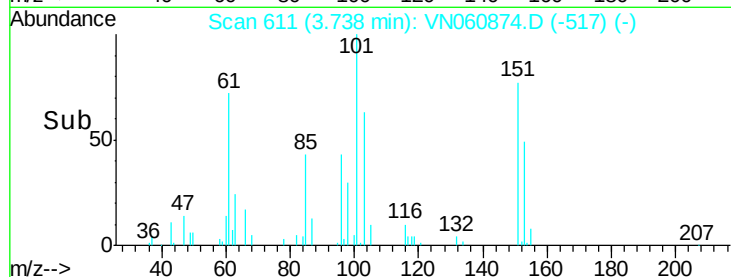
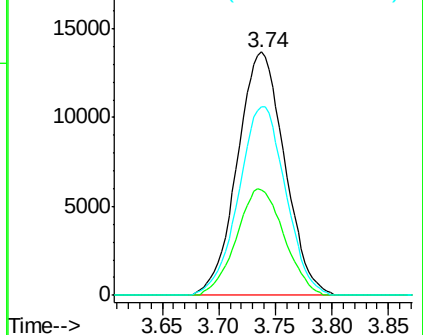
Tot Ion:	101	Resp:	39718
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	77.3	61.4	92.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.156 ug/l

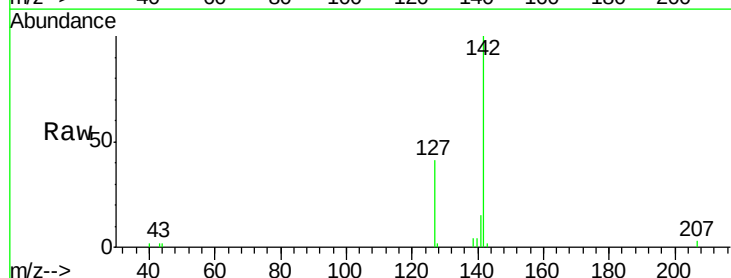
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

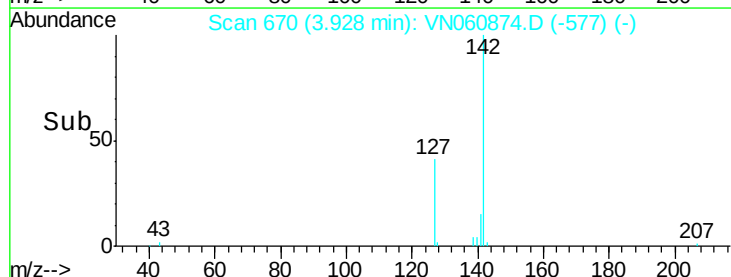
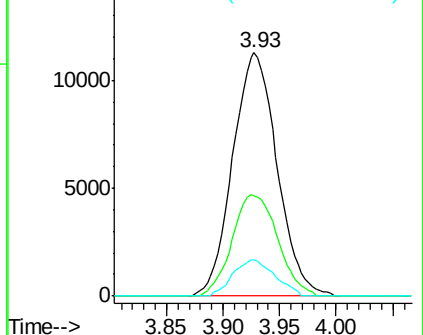
Lab File: VN060874.D

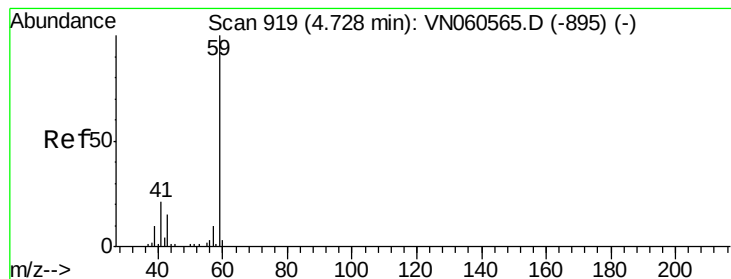
Acq: 7 Apr 2020 14:10

Tgt Ion:	142	Resp:	30829
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.5	50.3
141	14.1	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

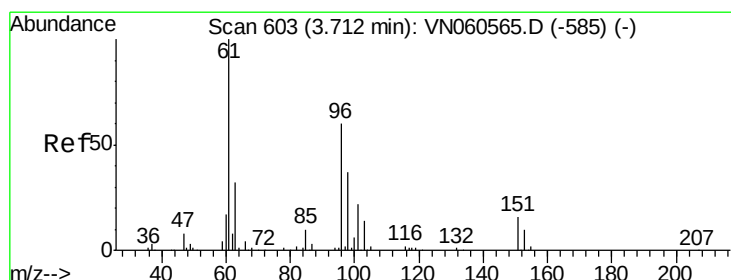
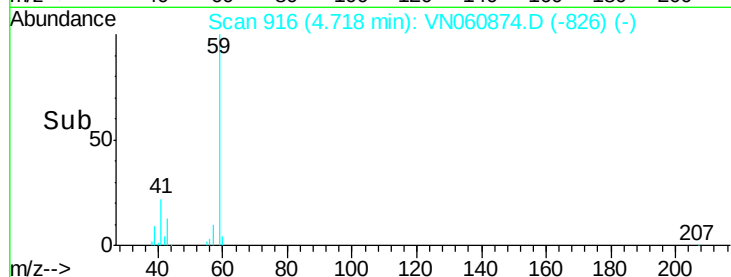
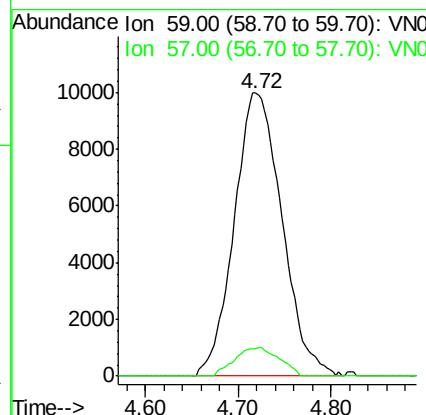
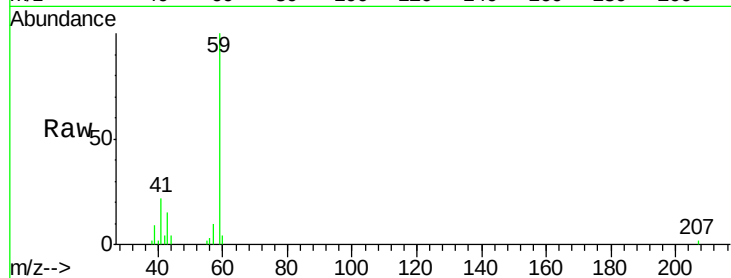
Tert butyl alcohol
Concen: 88.435 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4

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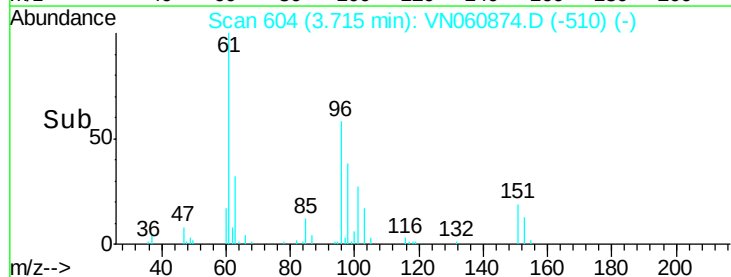
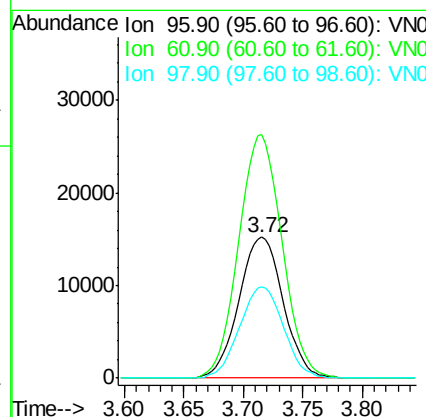
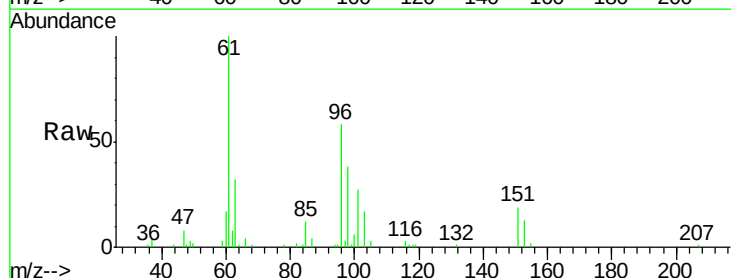
MMDadoda
4/8/2020 9:39:08 AM

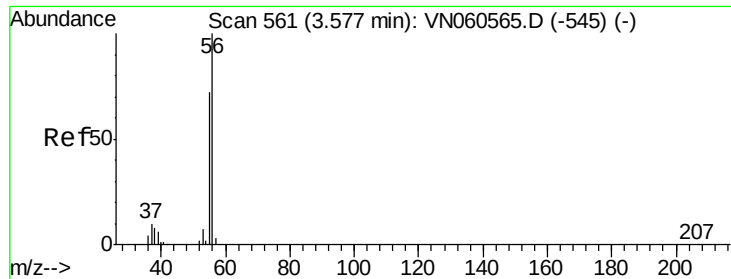


#12

1,1-Dichloroethene
Concen: 18.118 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.6	134.1	201.1
98	64.9	49.9	74.9





#13

Acrolein

Concen: 56.178 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 56 Resp: 25161

Ion Ratio Lower Upper

56 100

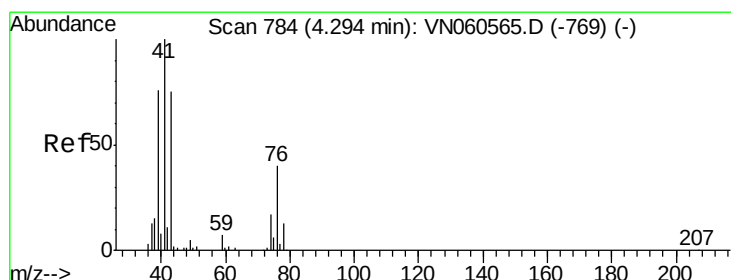
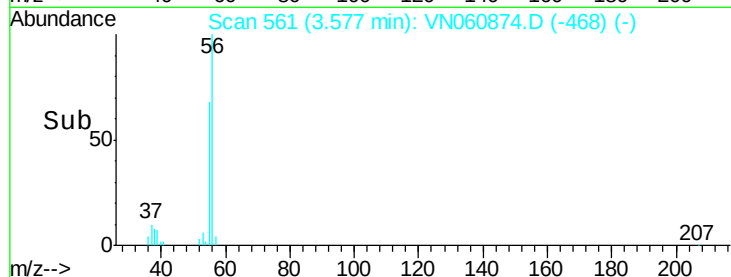
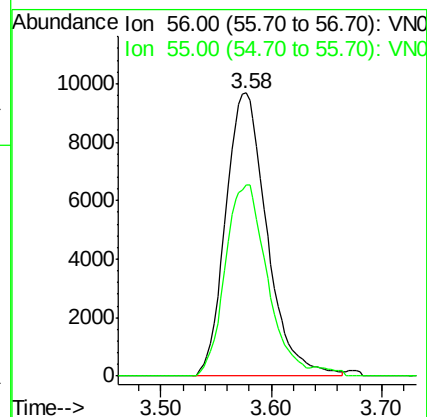
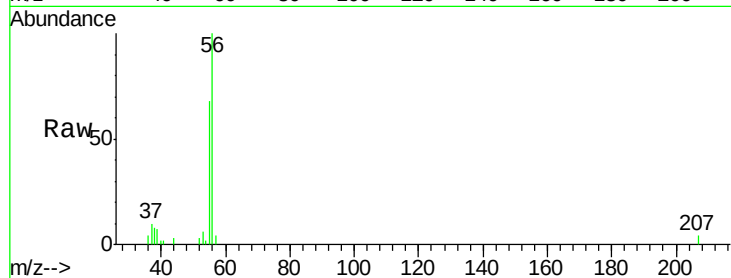
55 68.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.883 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

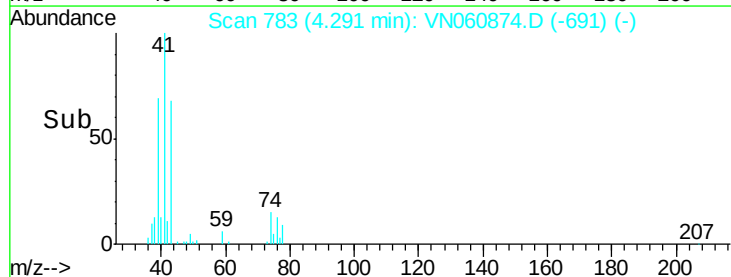
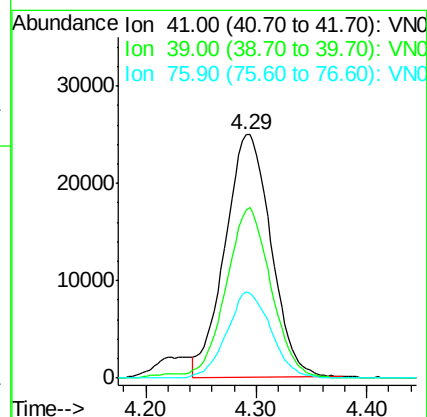
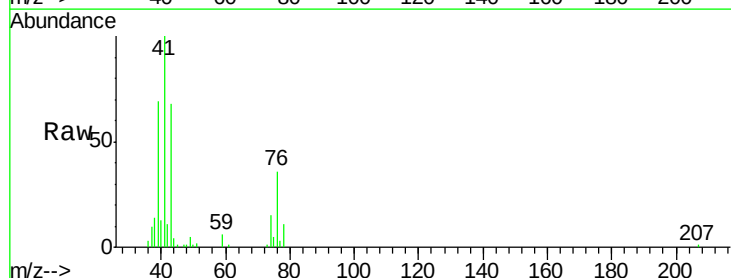
Tgt Ion: 41 Resp: 71975

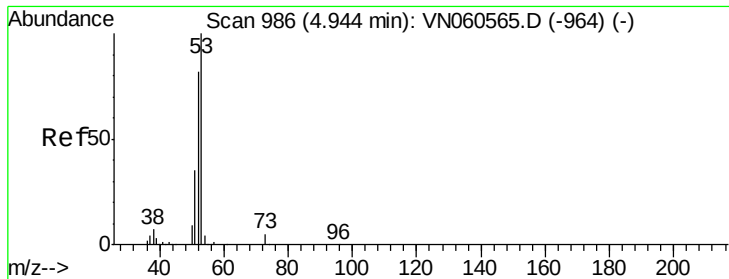
Ion Ratio Lower Upper

41 100

39 68.9 57.8 86.8

76 34.1 28.6 43.0





#15

Acrylonitrile

Concen: 91.851 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

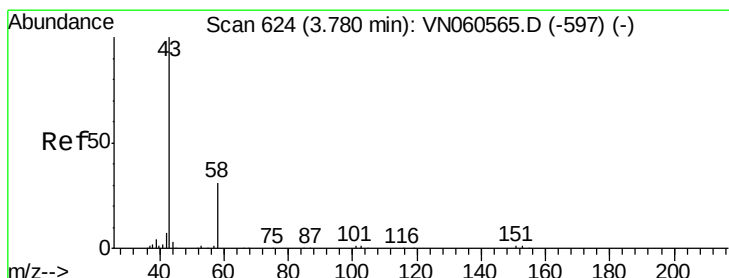
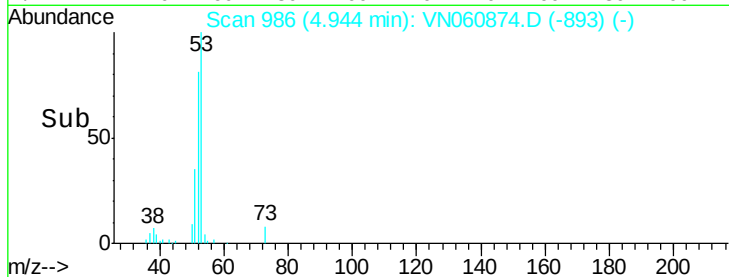
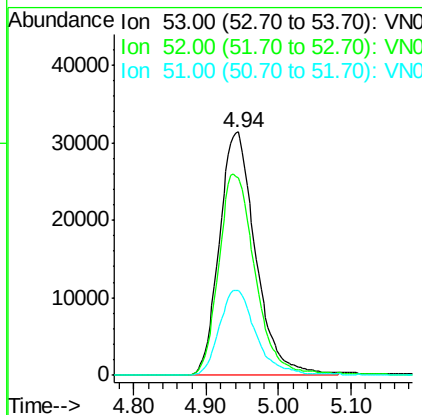
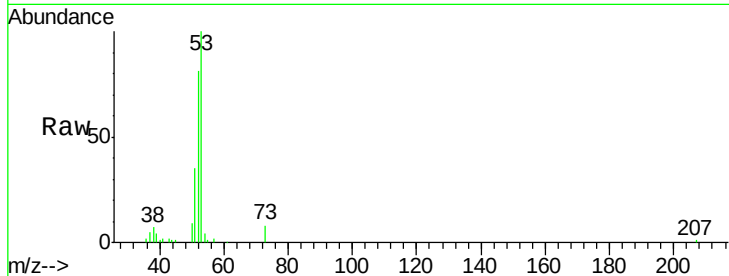
ClientSampleId :

VN0407WBSD01

Tot Ion:	53	Resp:	109150
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	35.3	28.7	43.1

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#16

Acetone

Concen: 96.360 ug/l

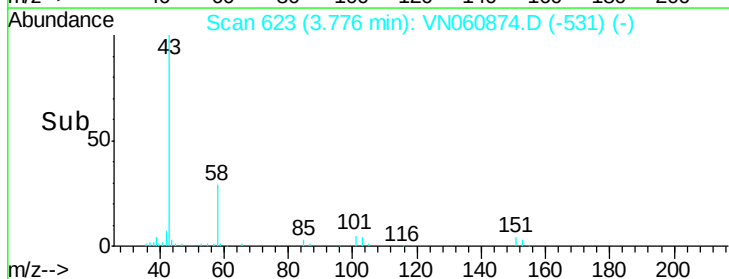
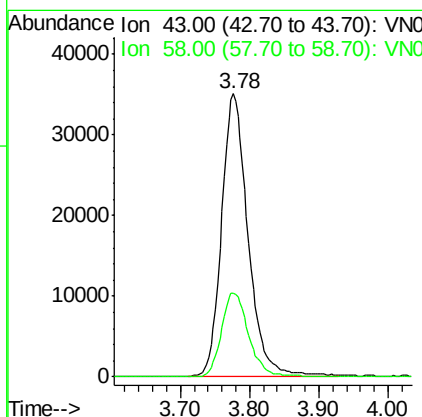
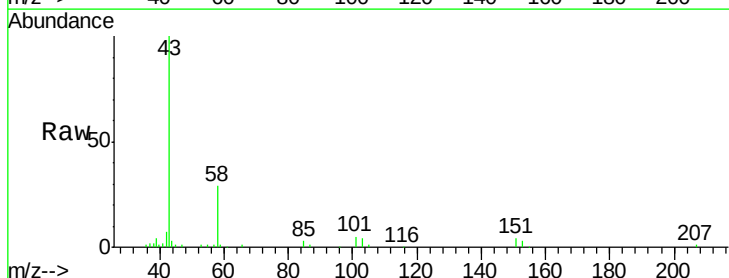
RT: 3.78 min Scan# 623

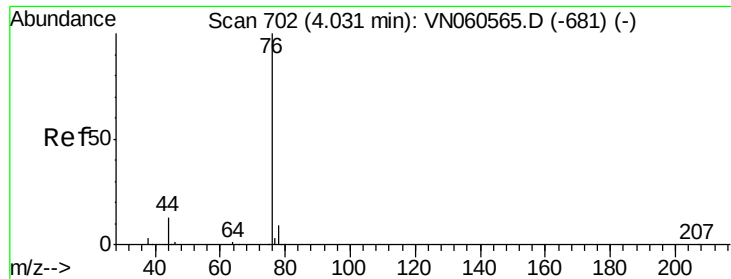
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion:	43	Resp:	93790
Ion	Ratio	Lower	Upper
43	100		
58	29.5	25.1	37.7





#17

Carbon Disulfide

Concen: 16.577 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 76 Resp: 109257

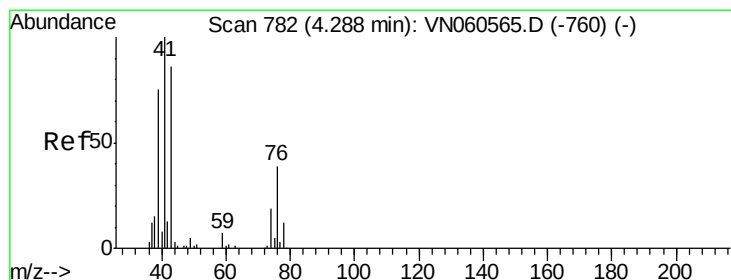
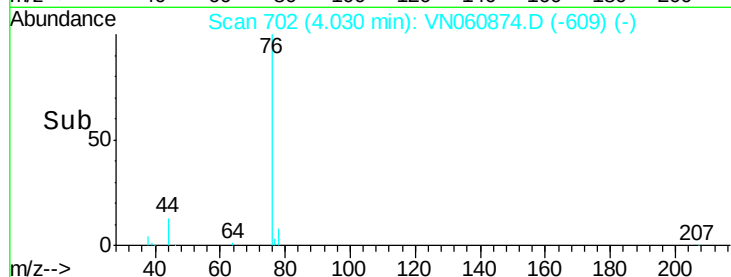
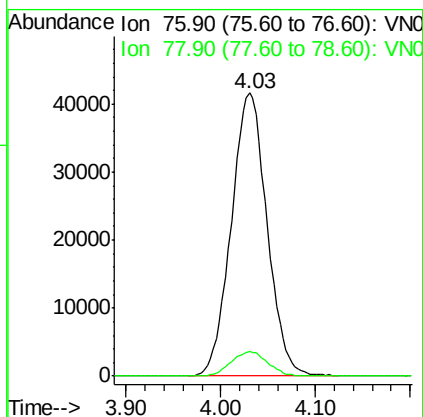
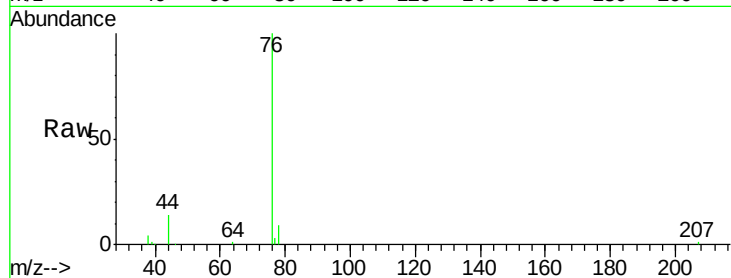
Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

Manual Integrations
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#18

Methyl Acetate

Concen: 19.326 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060874.D

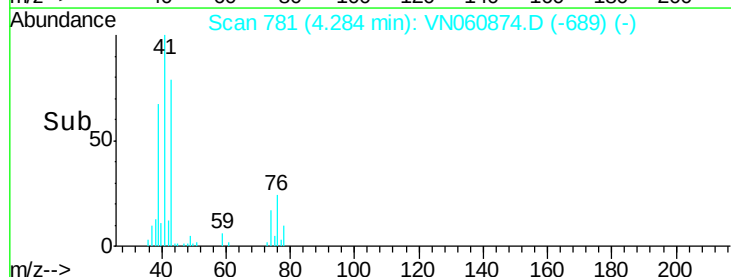
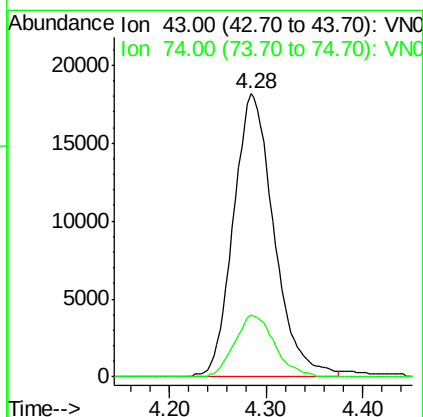
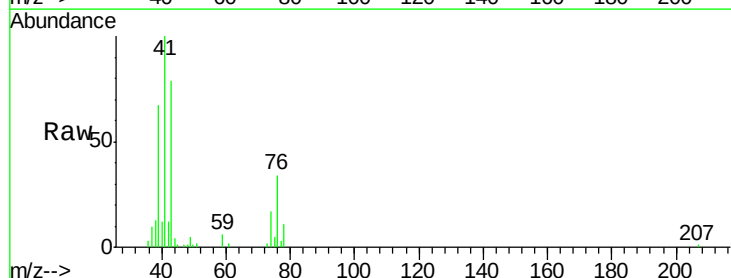
Acq: 7 Apr 2020 14:10

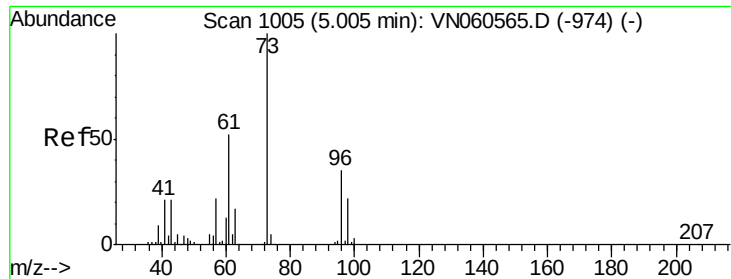
Tgt Ion: 43 Resp: 52947

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3





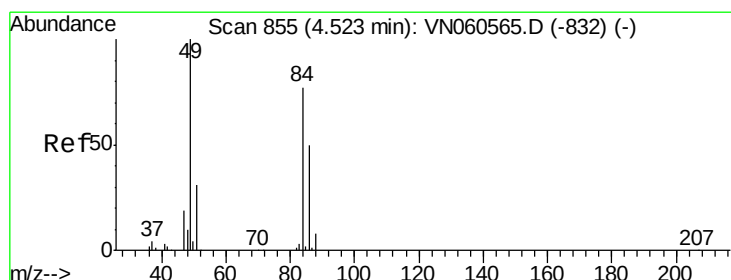
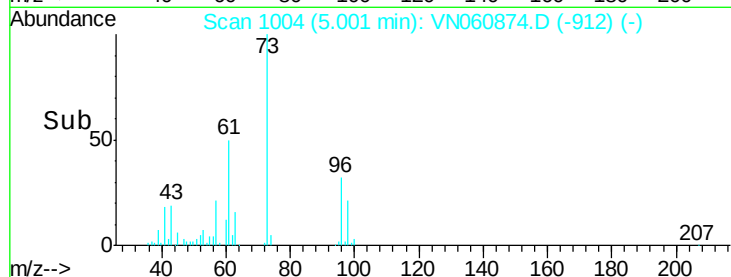
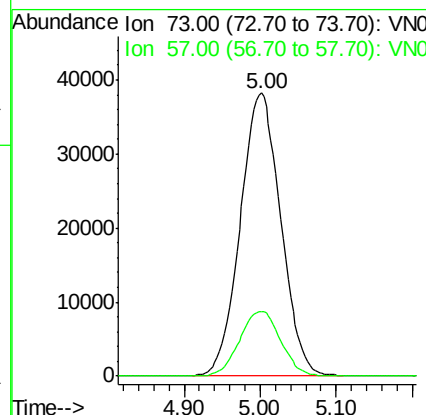
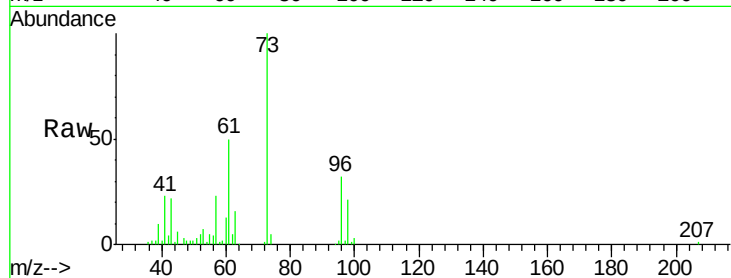
#19
Methyl tert-butyl Ether
Concen: 18.964 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion: 73 Resp: 141298
Ion Ratio Lower Upper
73 100
57 22.8 17.5 26.3

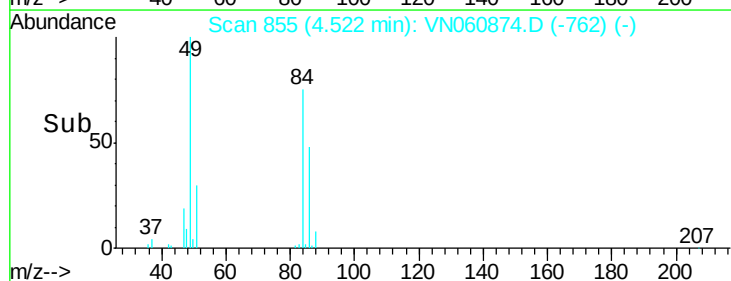
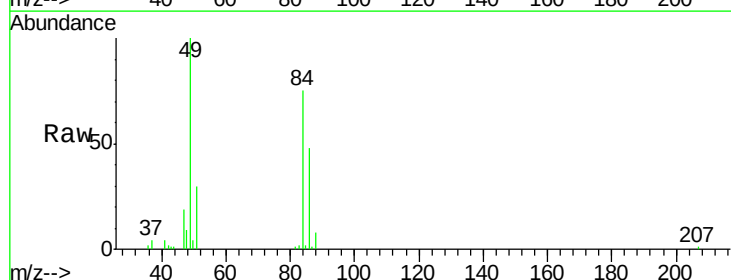
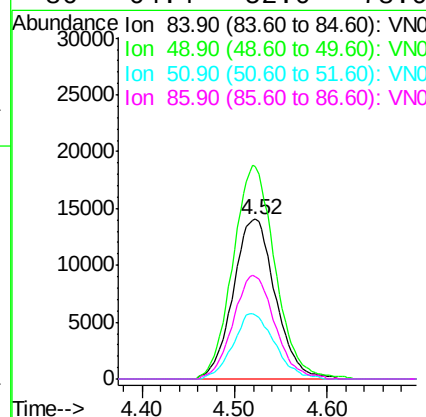
Manual Integrations
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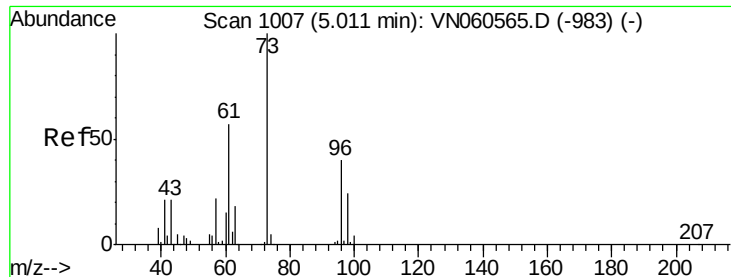
MMDadoda
4/8/2020 9:39:08 AM



#20
Methylene Chloride
Concen: 18.584 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion: 84 Resp: 44497
Ion Ratio Lower Upper
84 100
49 133.1 103.3 154.9
51 39.9 31.6 47.4
86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.313 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 96 Resp: 42297

Ion Ratio Lower Upper

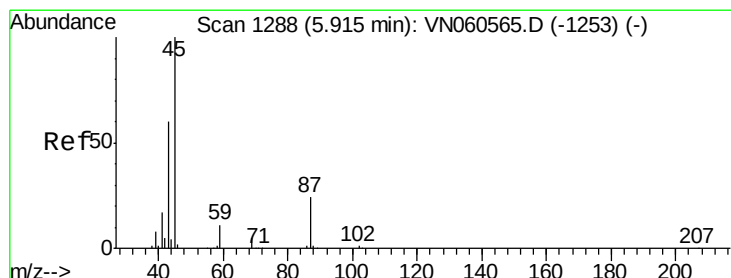
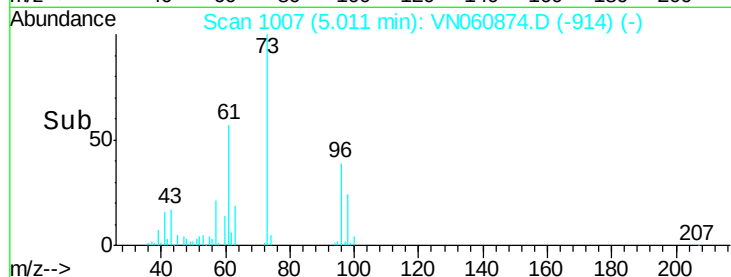
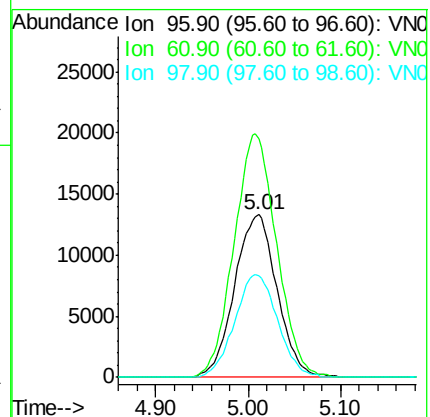
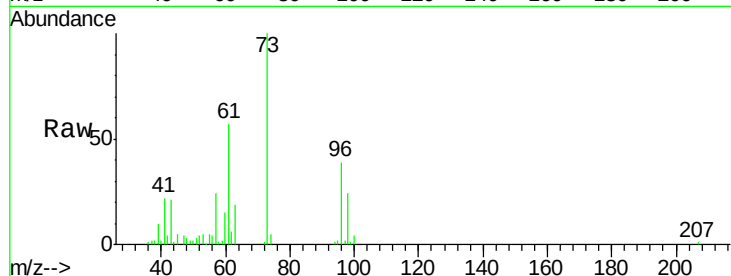
96 100

61 146.7 114.4 171.6

98 62.4 48.4 72.6

Manual Integrations
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4/8/2020 9:39:08 AM



#22

Diisopropyl ether

Concen: 19.956 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion: 45 Resp: 160701

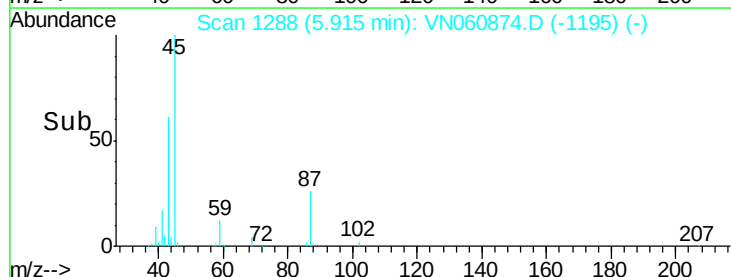
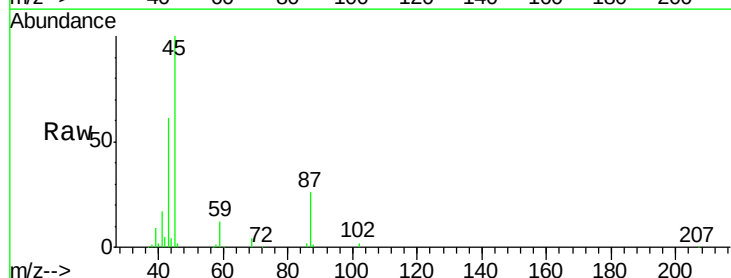
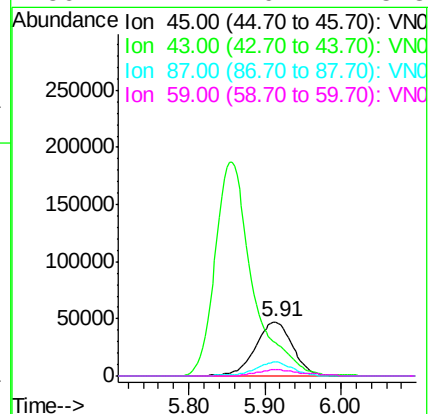
Ion Ratio Lower Upper

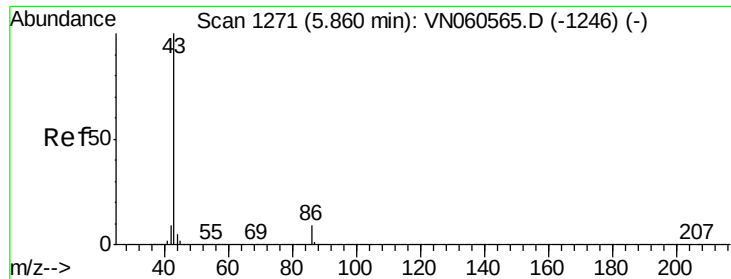
45 100

43 59.1 49.8 74.8

87 25.8 20.1 30.1

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 97.353 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 43 Resp: 639641

Ion Ratio Lower Upper

43 100

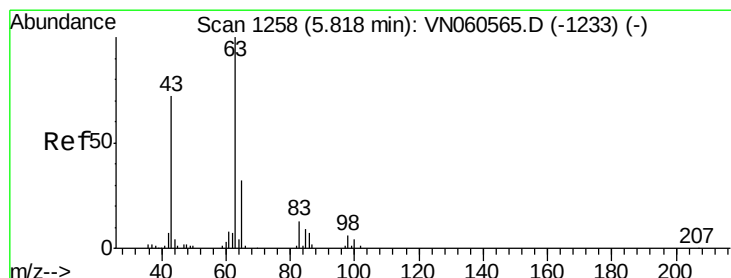
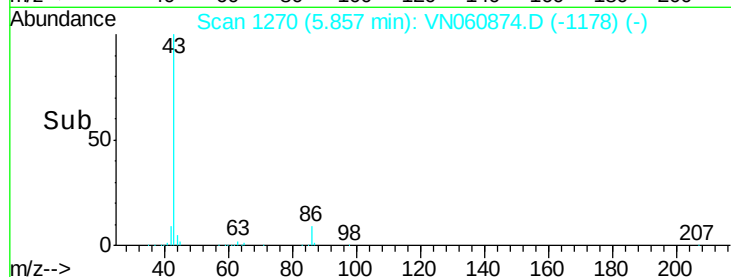
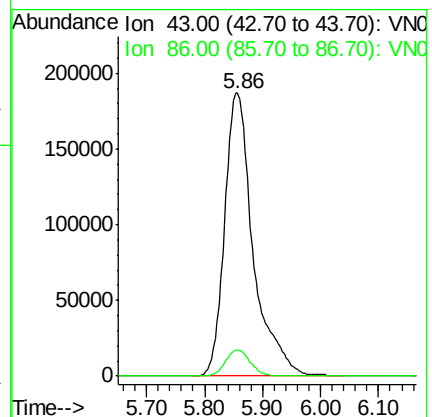
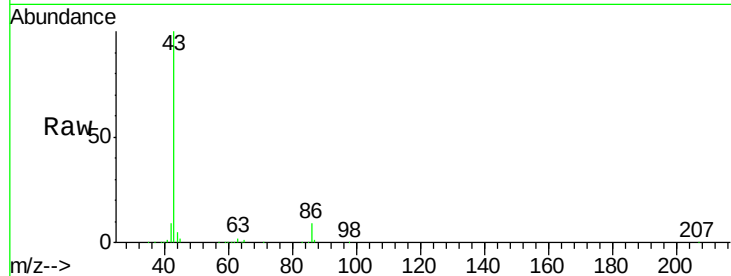
86 9.2 7.6 11.4

Manual Integrations

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MMDadoda

4/8/2020 9:39:08 AM



#24

1,1-Dichloroethane

Concen: 19.410 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

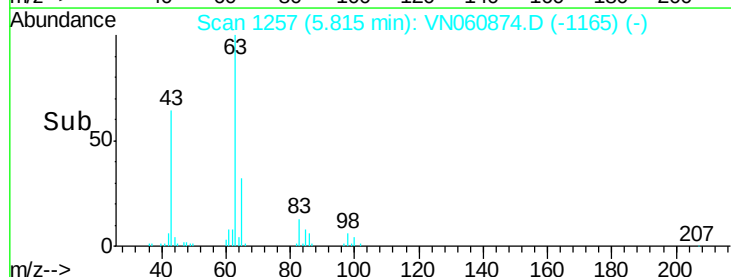
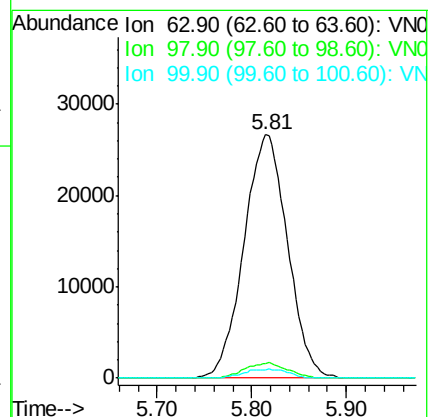
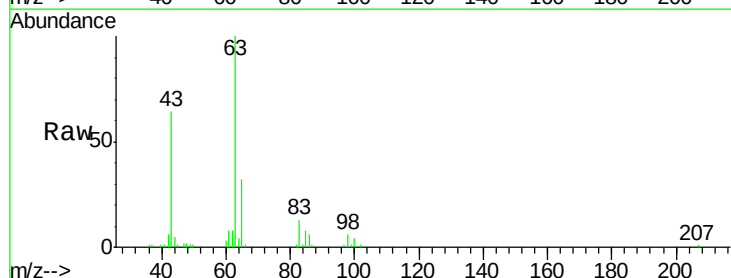
Tgt Ion: 63 Resp: 85210

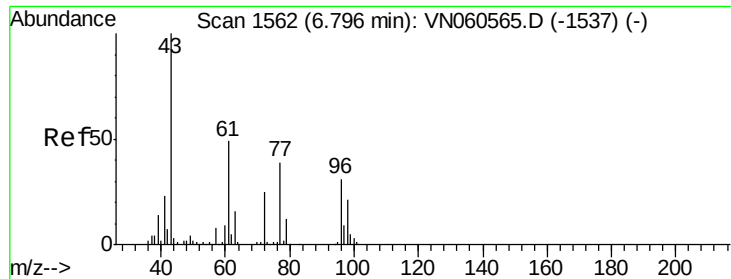
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.6 1.8 5.5





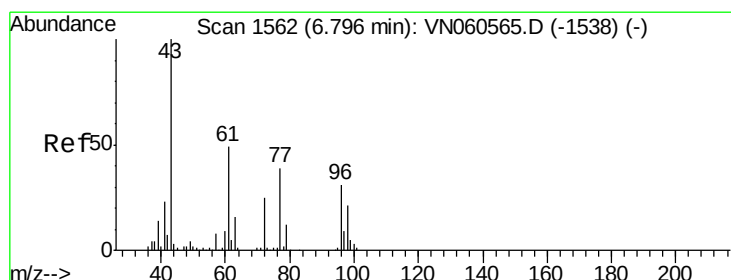
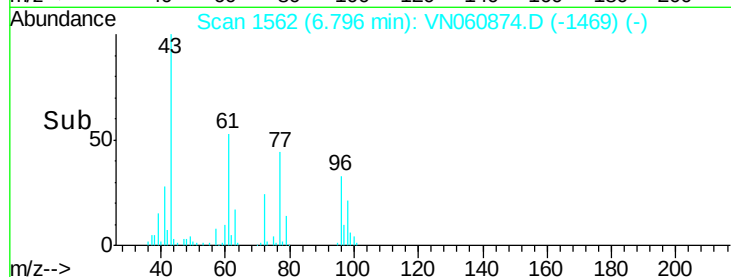
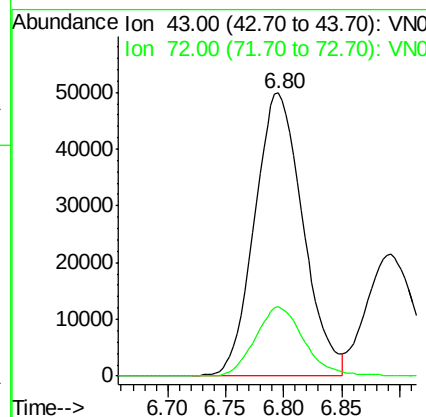
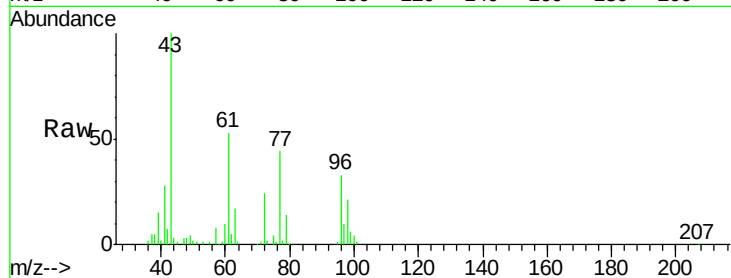
#25
2-Butanone
Concen: 91.806 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion: 43 Resp: 144596
Ion Ratio Lower Upper
43 100
72 24.5 20.4 30.6

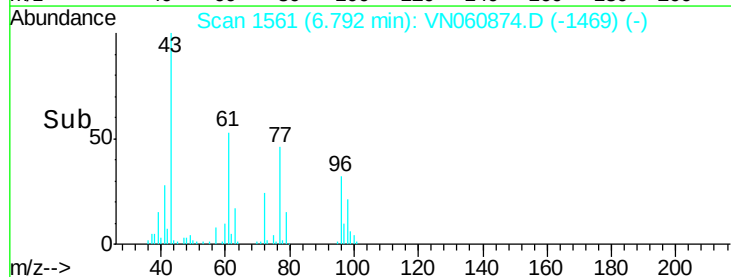
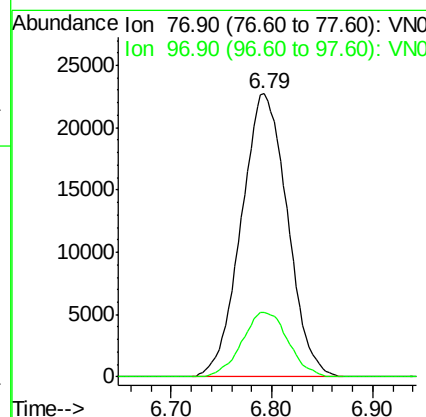
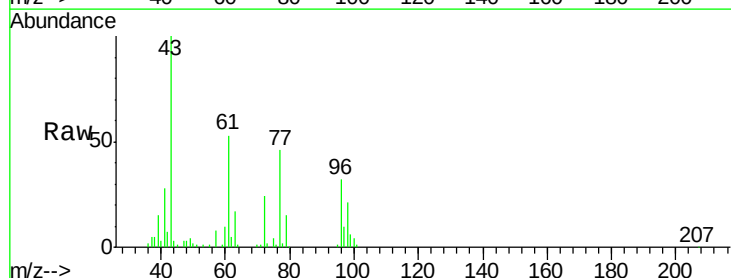
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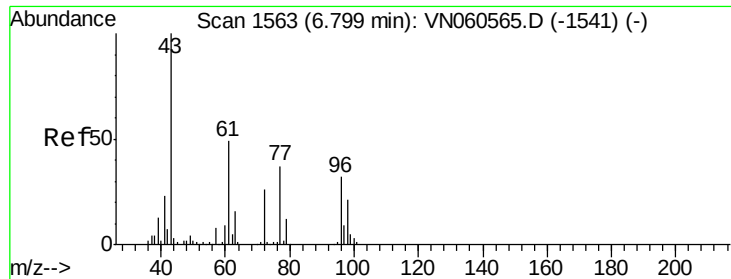
MMDadoda
4/8/2020 9:39:08 AM



#26
2,2-Dichloropropane
Concen: 20.912 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion: 77 Resp: 72227
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





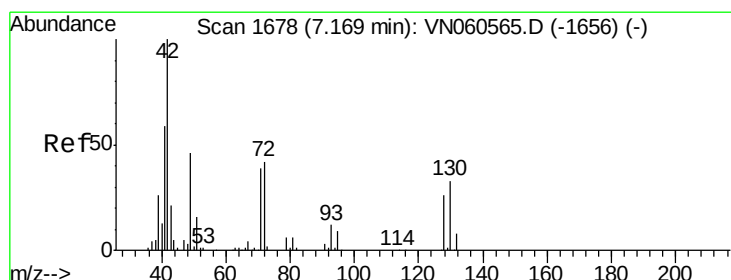
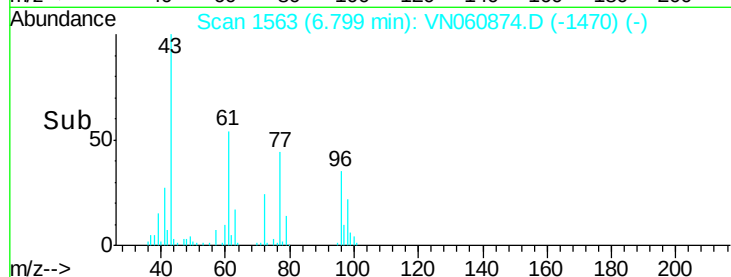
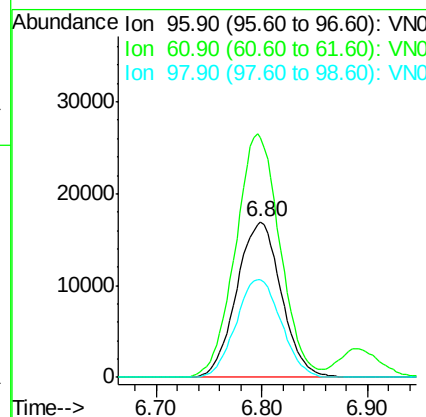
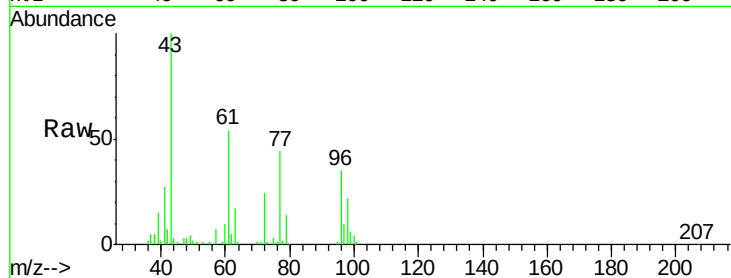
#27
 cis-1,2-Dichloroethene
 Concen: 18.973 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	305.6
98	63.7	0.0	127.6

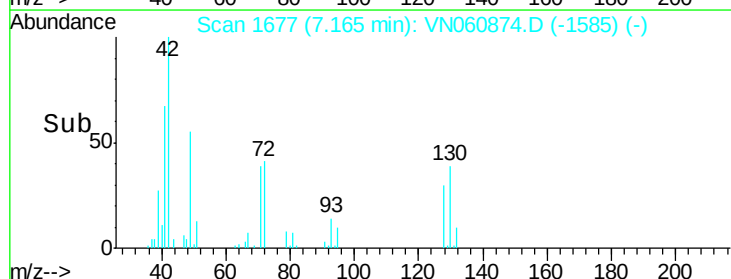
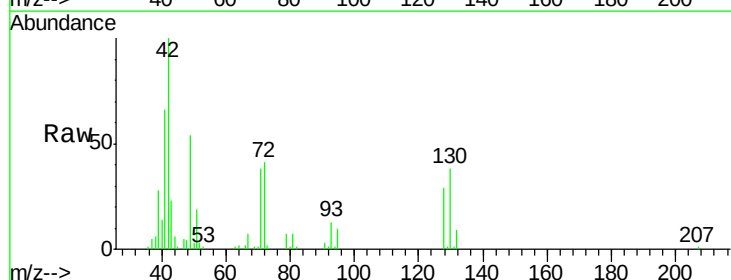
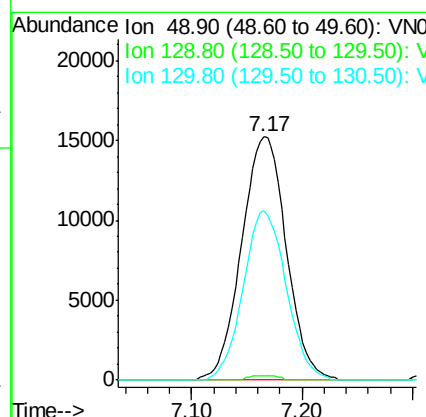
Manual Integrations
 APPROVED

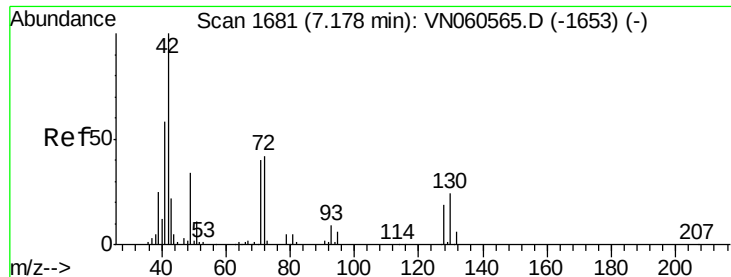
MMDadoda
 4/8/2020 9:39:08 AM



#28
 Bromochloromethane
 Concen: 20.353 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	66.8	55.0	82.4





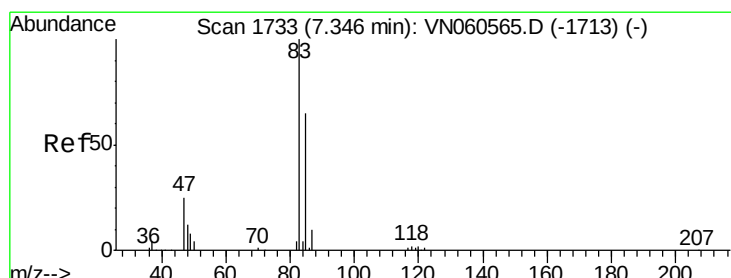
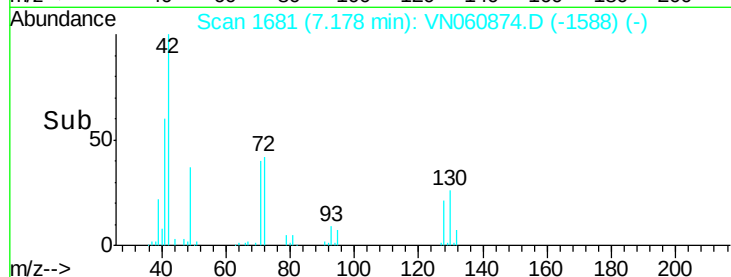
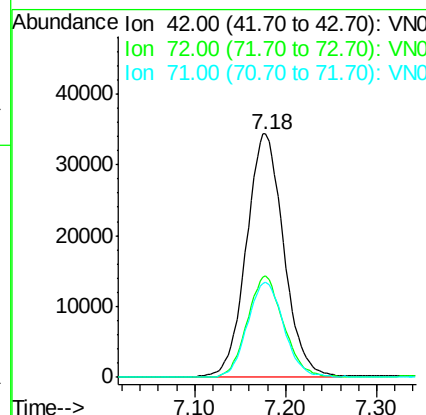
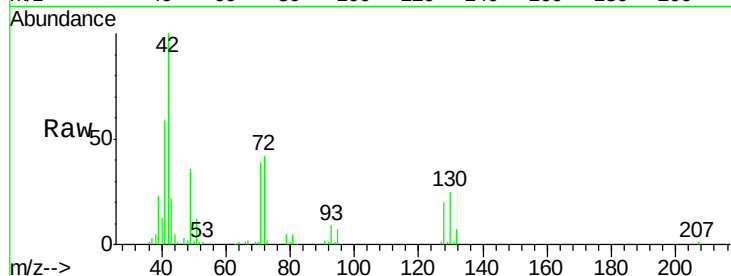
#29
Tetrahydrofuran
Concen: 88.063 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.2	49.8
71	37.9	31.1	46.7

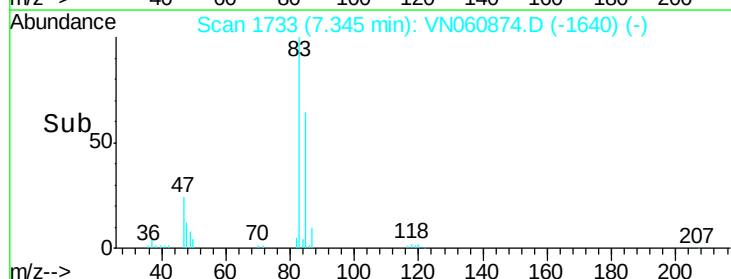
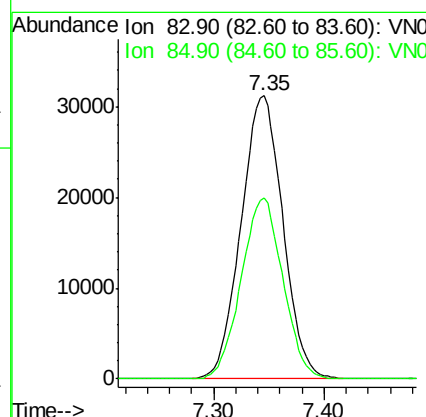
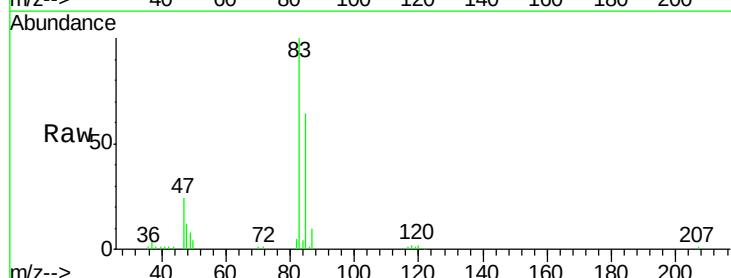
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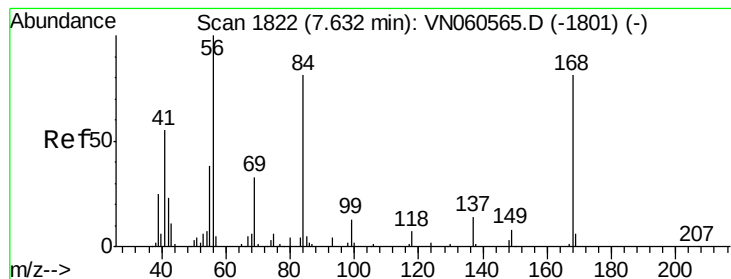
MMDadoda
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#30
Chloroform
Concen: 19.484 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.8





#31

Cyclohexane

Concen: 18.183 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

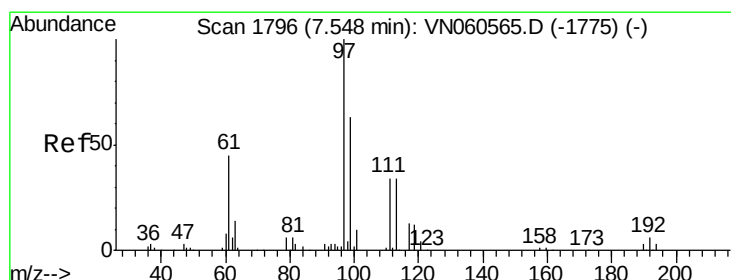
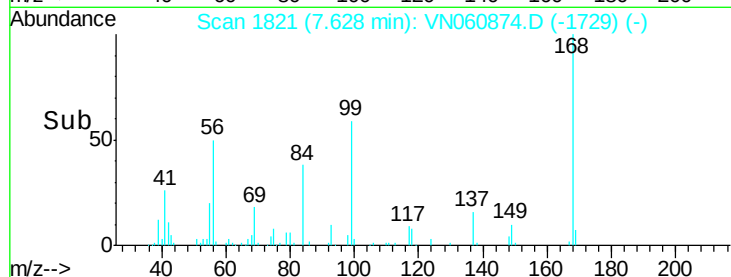
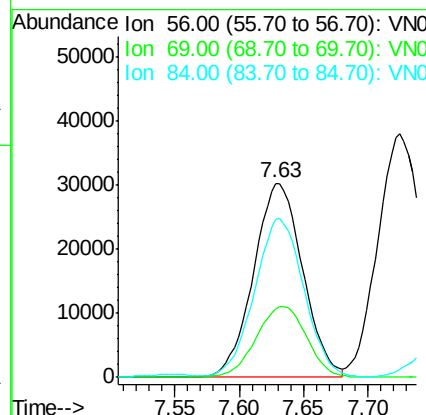
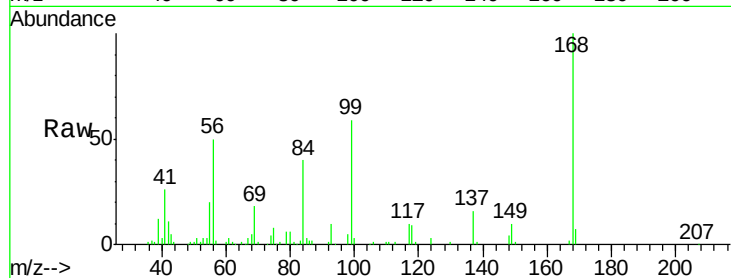
ClientSampleId :

VN0407WBSD01

Tot Ion:	56	Resp:	80473
Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.6	40.0
84	80.3	64.3	96.5

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#32

1,1,1-Trichloroethane

Concen: 19.115 ug/l

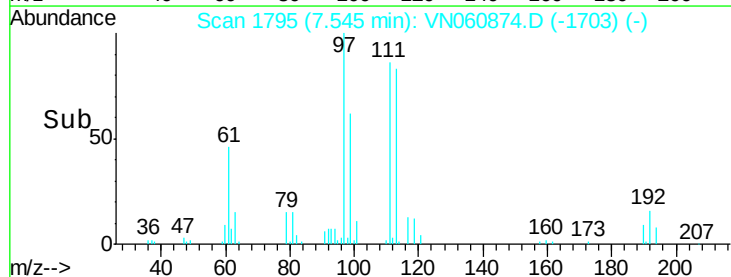
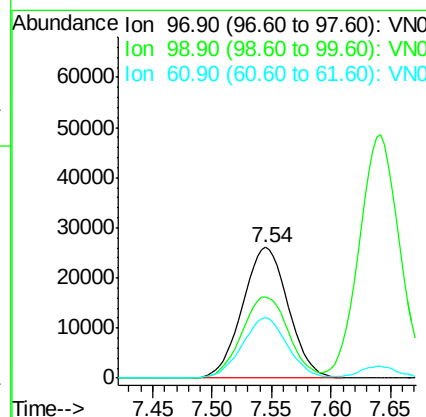
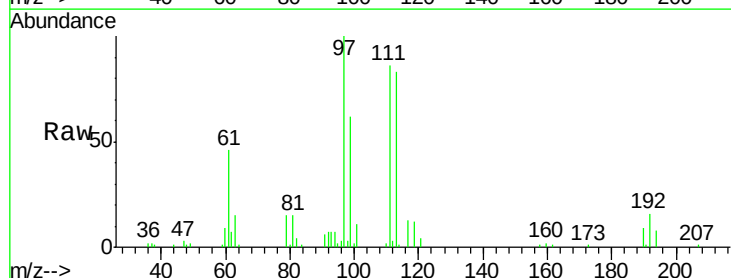
RT: 7.54 min Scan# 1795

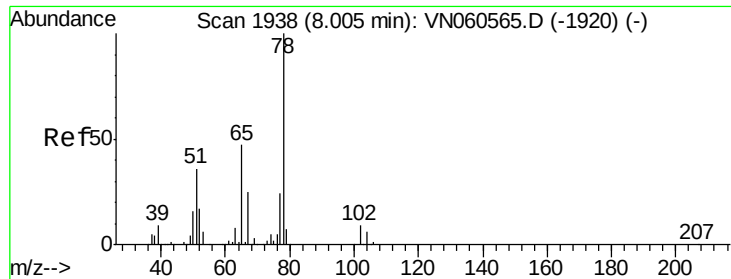
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion:	97	Resp:	69348
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	75.8
61	45.9	36.2	54.4





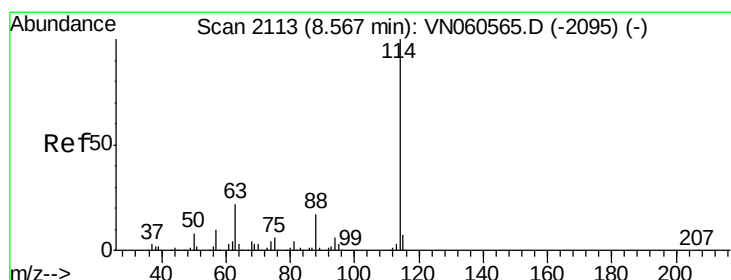
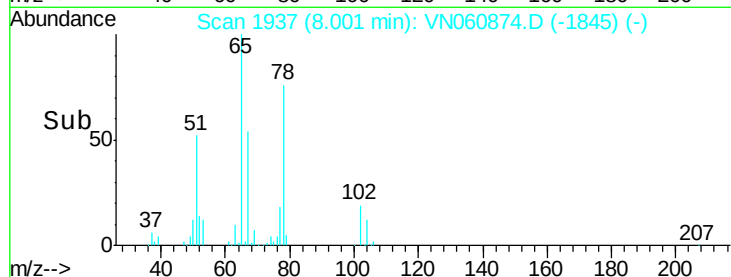
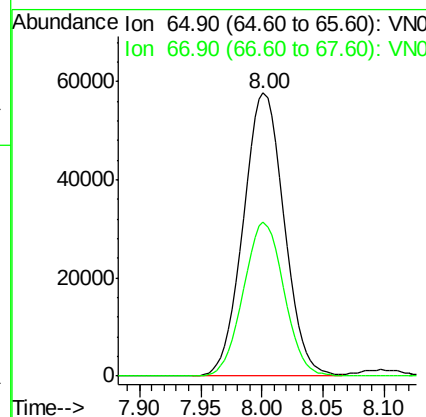
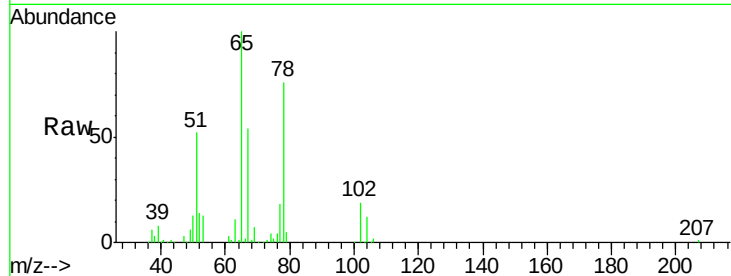
#33
 1,2-Dichloroethane-d4
 Concen: 48.655 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133695		
67	54.0	0.0	107.6	

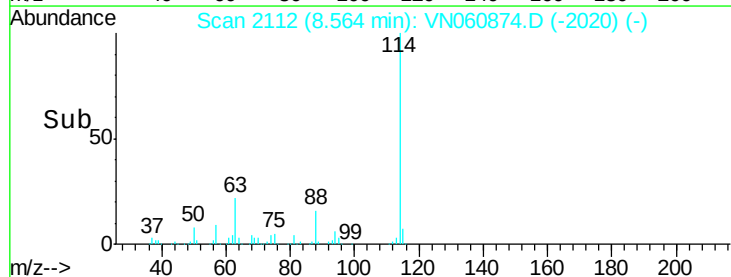
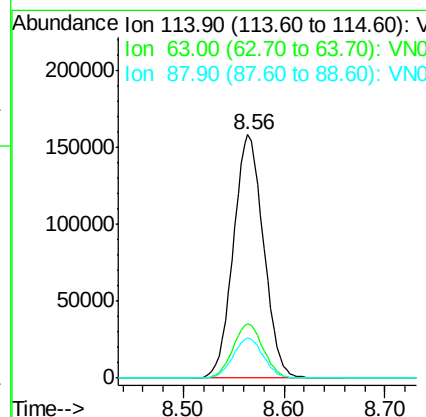
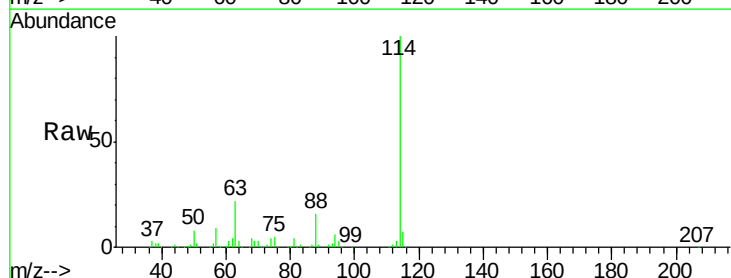
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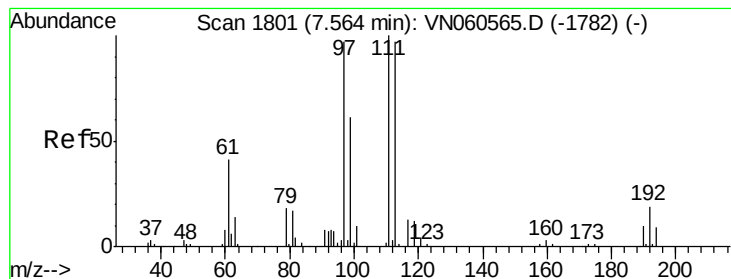
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328869		
63	22.1	0.0	43.8	
88	16.5	0.0	33.0	





#35

Dibromofluoromethane

Concen: 50.919 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

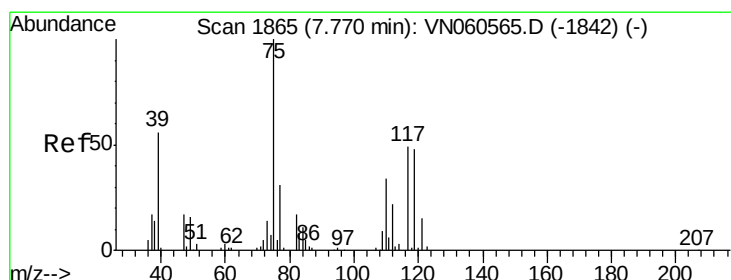
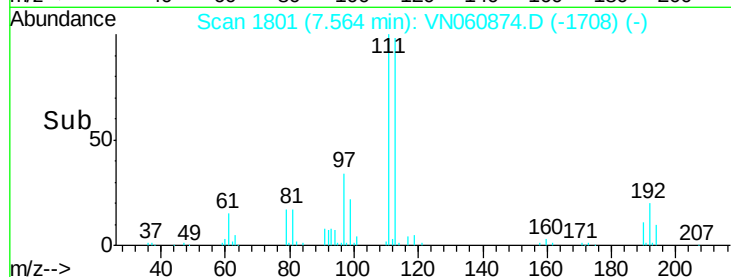
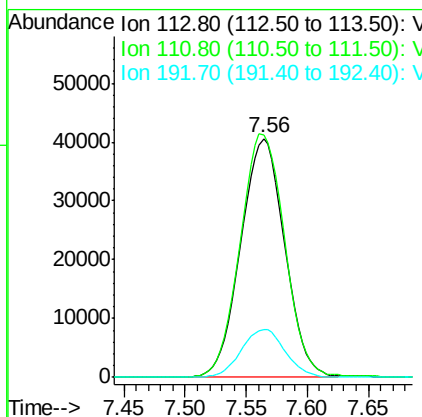
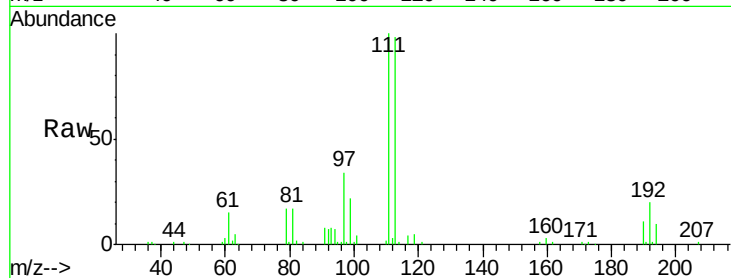
ClientSampleId :

VN0407WBSD01

Tot Ion:	113	Resp:	101256
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 19.488 ug/l

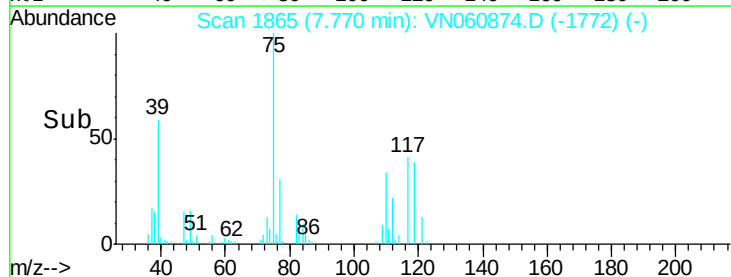
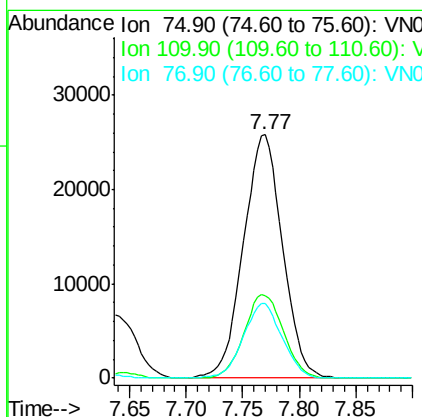
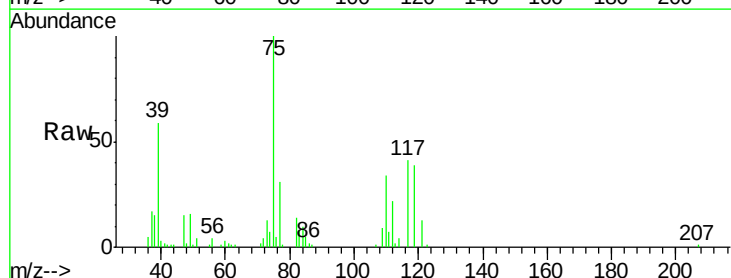
RT: 7.77 min Scan# 1865

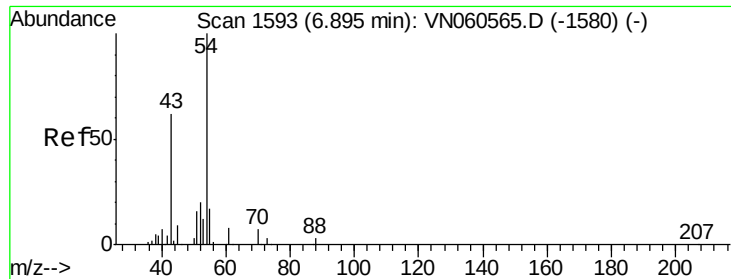
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion:	75	Resp:	62060
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.4	24.6	36.8





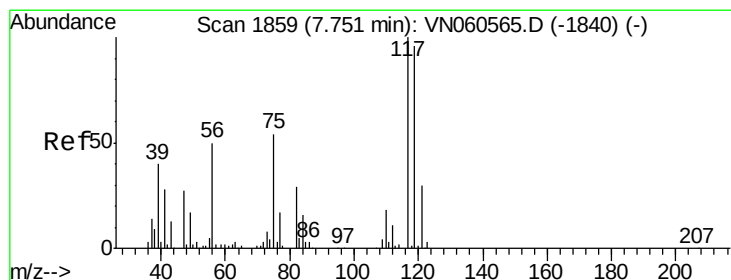
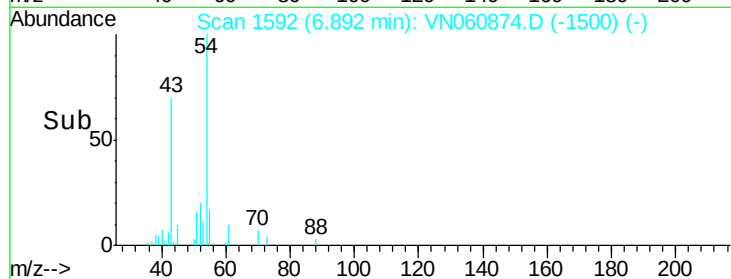
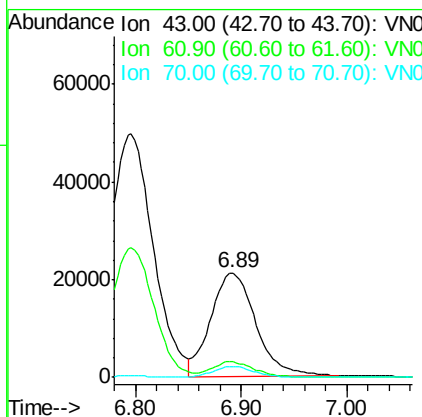
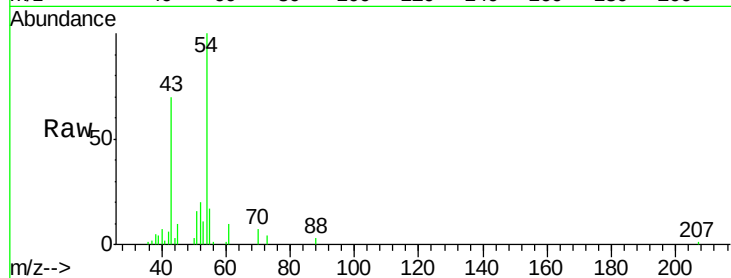
#37
Ethyl Acetate
Concen: 18.284 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.0	10.6	15.8	
70	9.6	7.9	11.9	

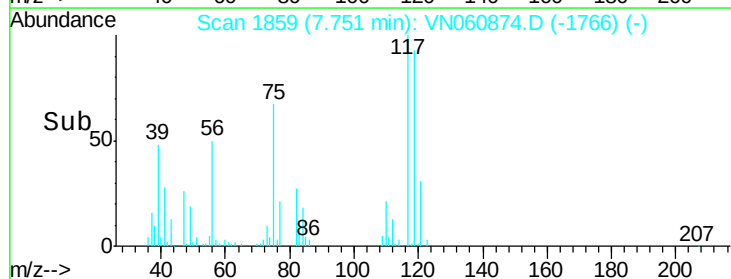
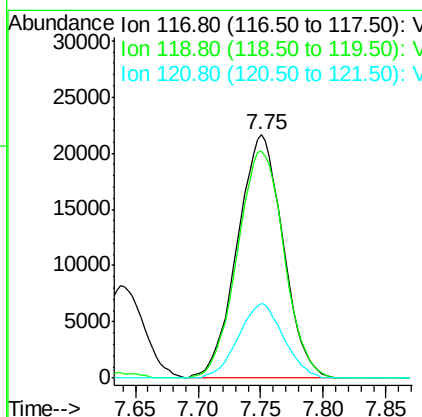
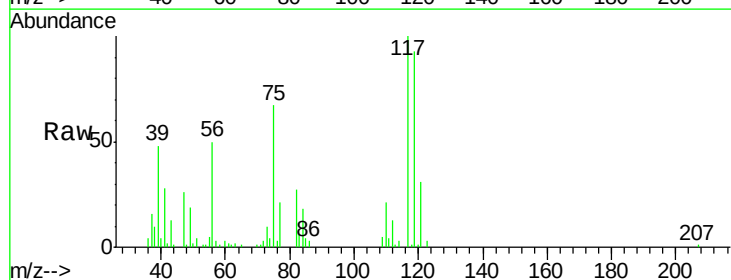
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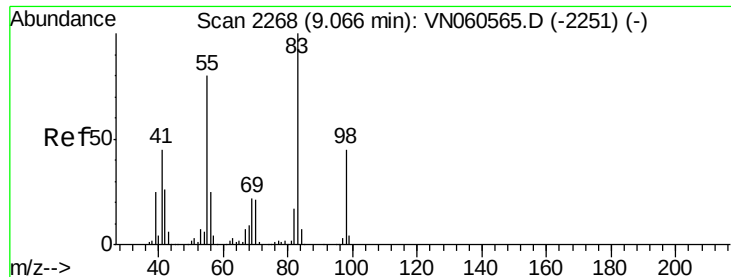
MMDadoda
4/8/2020 9:39:08 AM



#38
Carbon Tetrachloride
Concen: 19.170 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.1	76.2	114.2	
121	30.5	23.7	35.5	





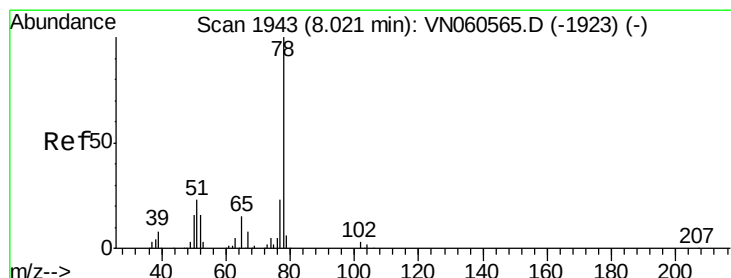
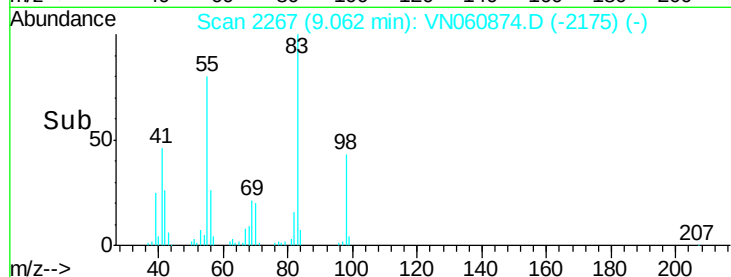
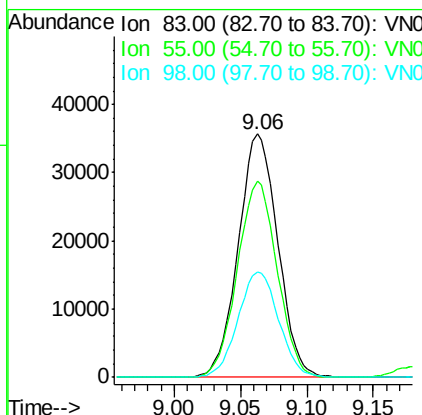
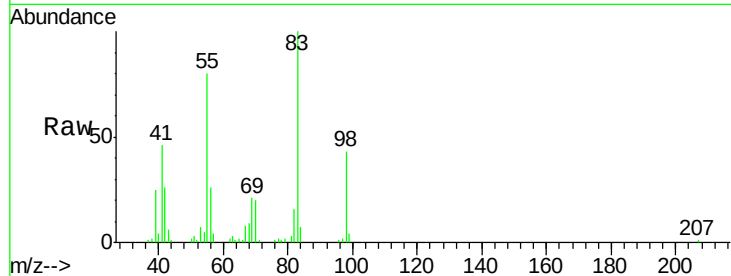
#39
Methylvlcyclohexane
Concen: 19.550 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	83	Resp	73984
Ion Ratio	100	Lower	Upper
83	100		
55	80.4	63.6	95.4
98	43.2	36.0	54.0

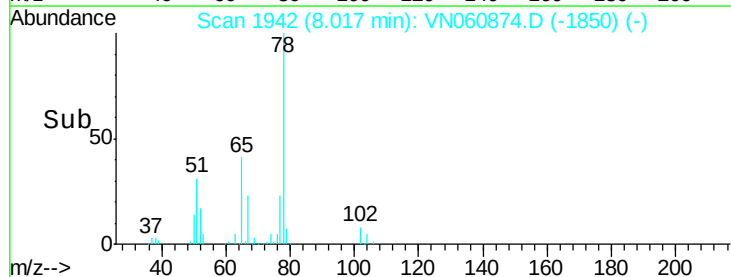
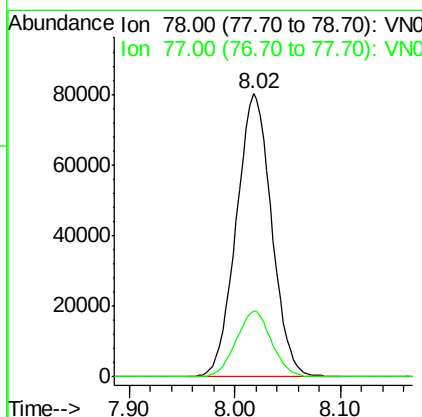
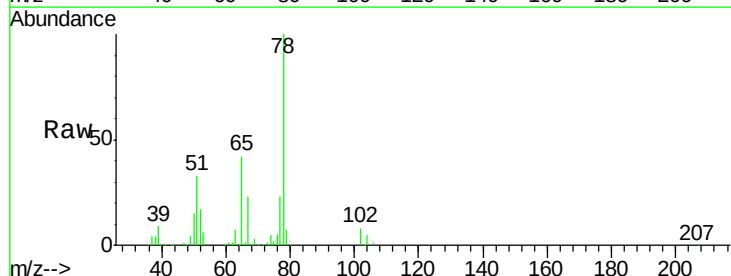
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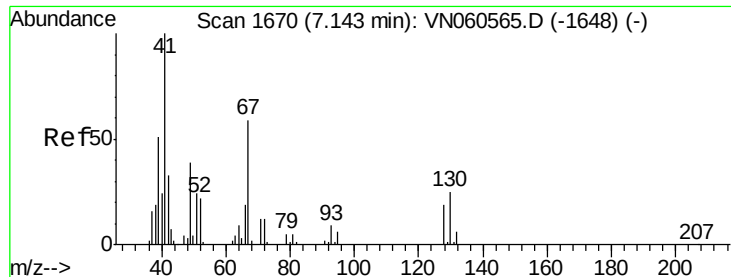
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#40
Benzene
Concen: 19.376 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	78	Resp	186263
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.6	28.0





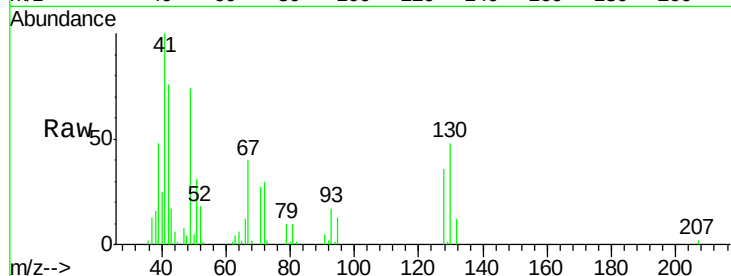
#41
Methacrylonitrile
Concen: 21.793 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	41	Resp	32003
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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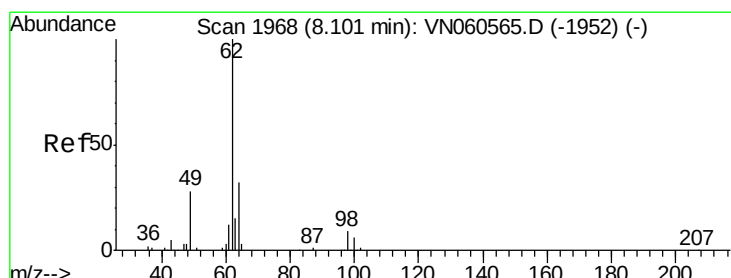
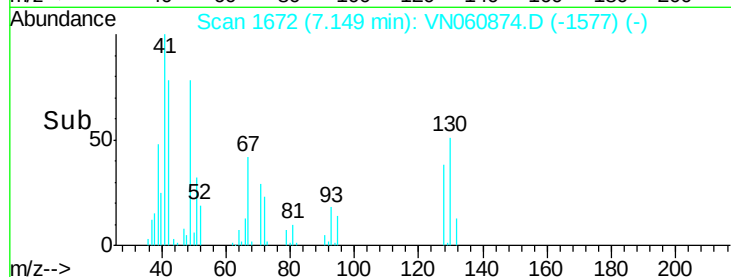
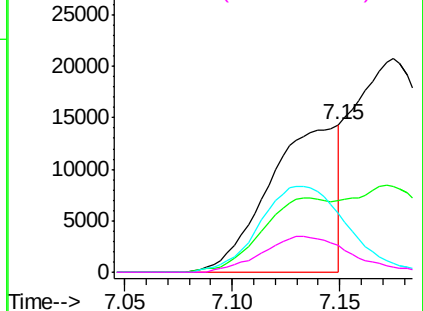


Abundance Ion 41.00 (40.70 to 41.70): VN060874.D (-1577) (-)

Ion 39.00 (38.70 to 39.70): VN060874.D (-1577) (-)

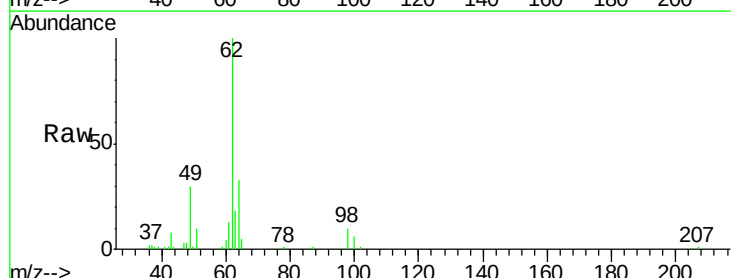
Ion 67.00 (66.70 to 67.70): VN060874.D (-1577) (-)

Ion 52.00 (51.70 to 52.70): VN060874.D (-1577) (-)



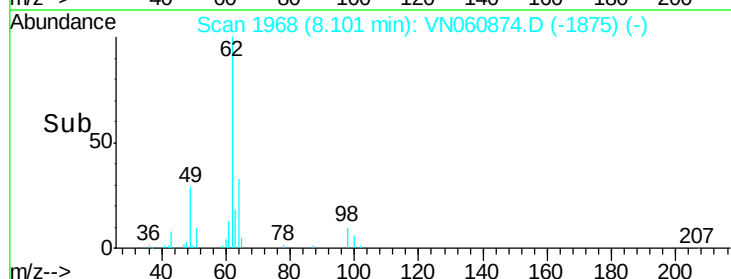
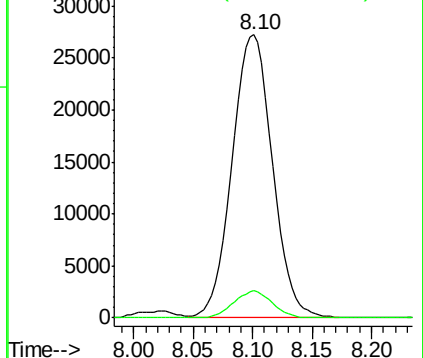
#42
1,2-Dichloroethane
Concen: 19.511 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

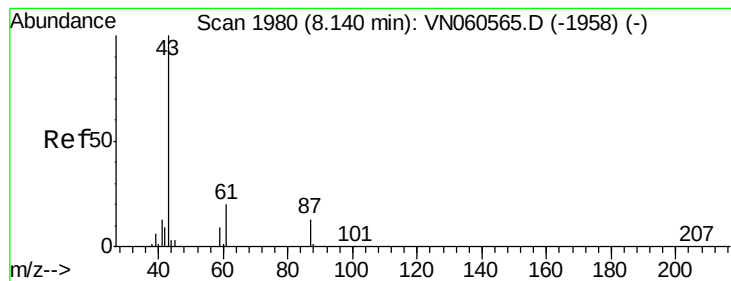
Tgt Ion	62	Resp	64101
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060874.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060874.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 18.987 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

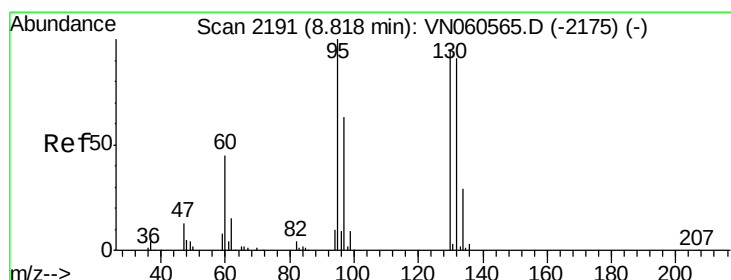
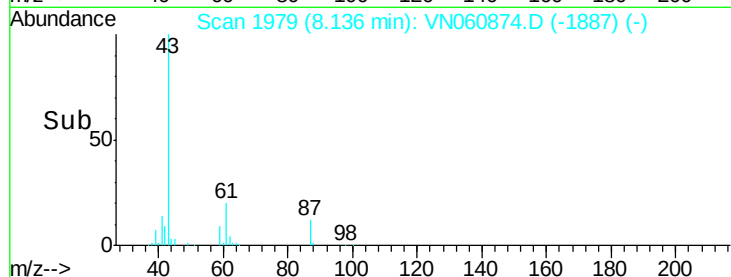
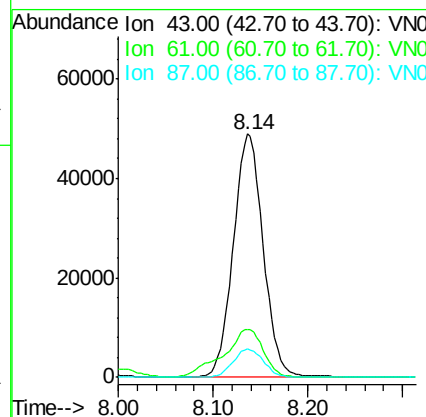
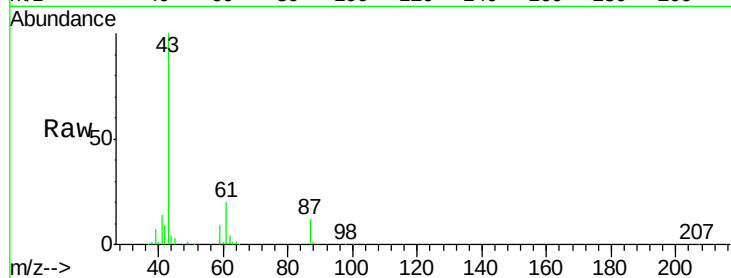
ClientSampleId :

VN0407WBSD01

Tot Ion:	43	Resp:	107746
Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.7	31.1
87	11.8	9.8	14.8

Manual Integrations
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MMDadoda
4/8/2020 9:39:08 AM



#44

Trichloroethene

Concen: 19.453 ug/l

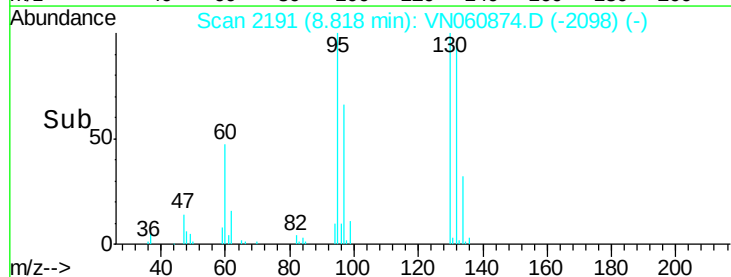
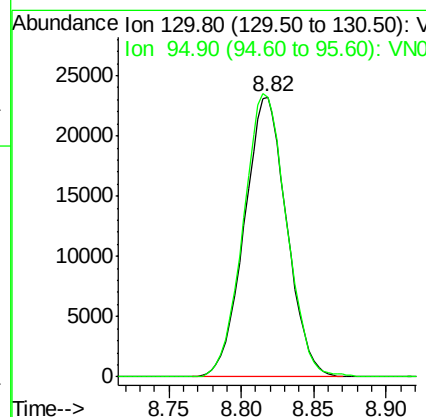
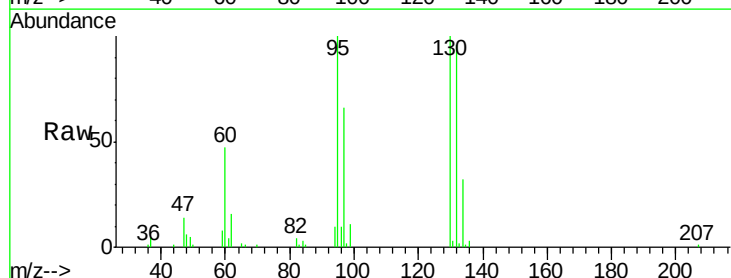
RT: 8.82 min Scan# 2191

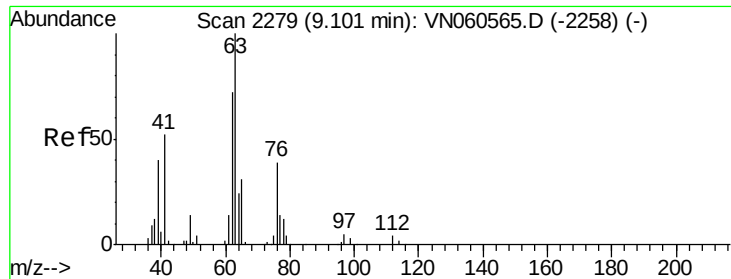
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion:	130	Resp:	47141
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	211.2





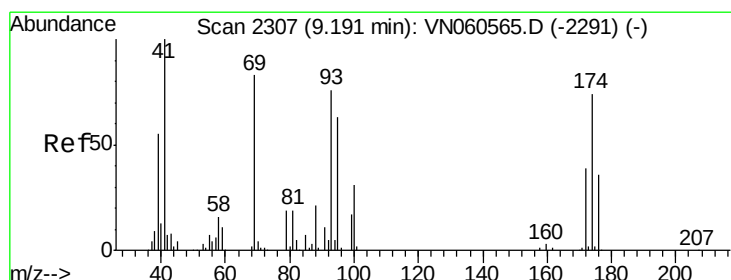
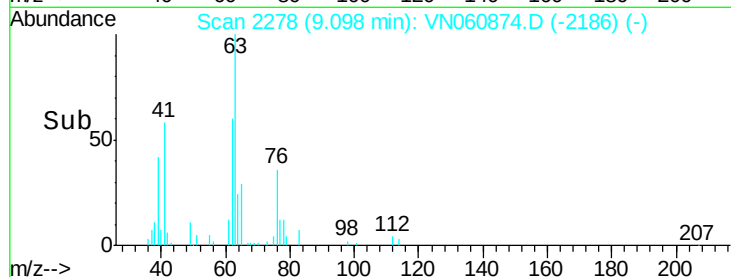
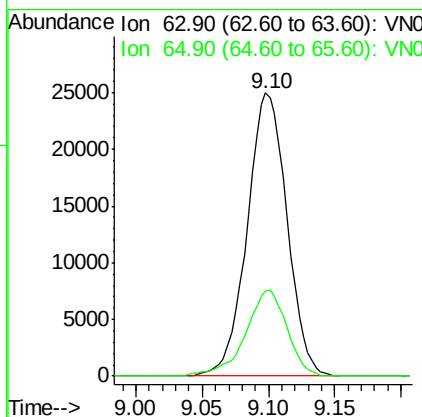
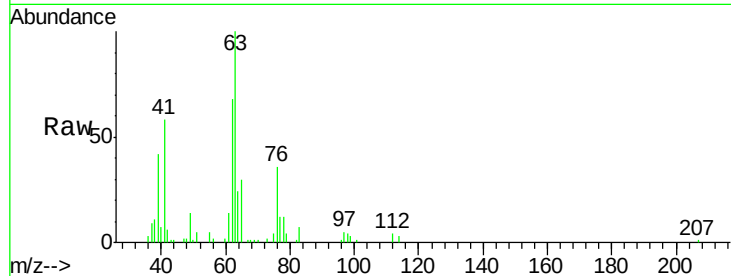
#45
 1,2-Dichloropropane
 Concen: 20.531 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion: 63 Resp: 52078
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.4 38.0

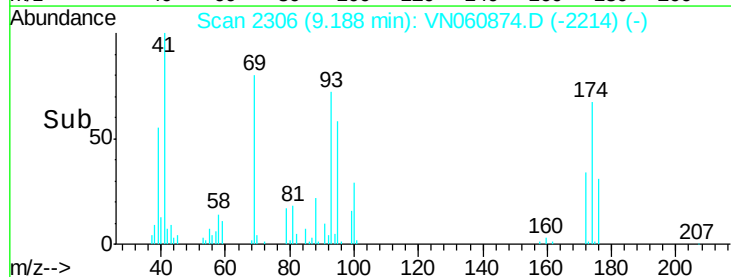
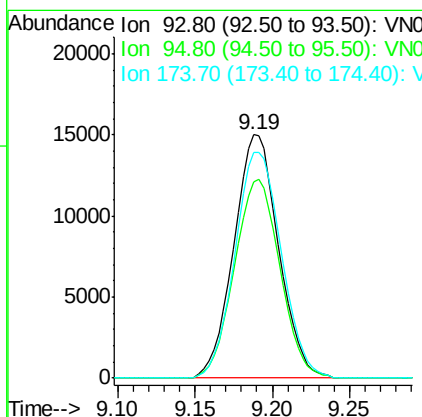
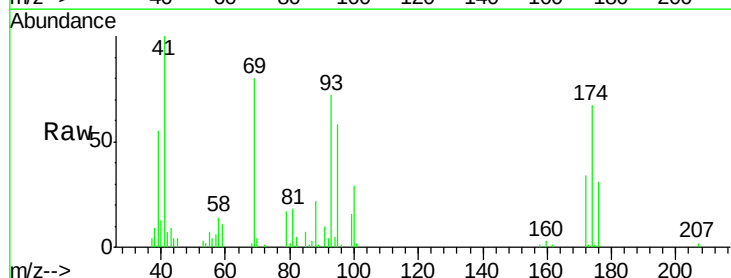
Manual Integrations
 APPROVED

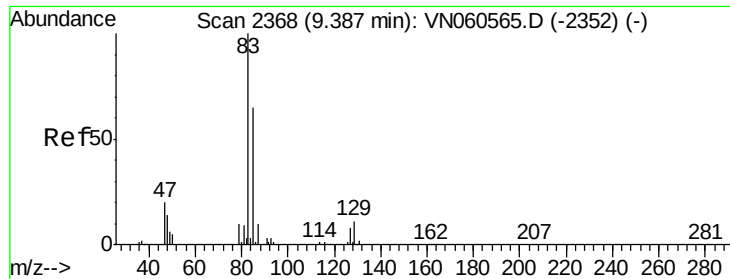
MMDadoda
 4/8/2020 9:39:08 AM



#46
 Dibromomethane
 Concen: 19.663 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion: 93 Resp: 30154
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.4
 174 96.4 77.9 116.9





#47

Bromodichloromethane

Concen: 19.863 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

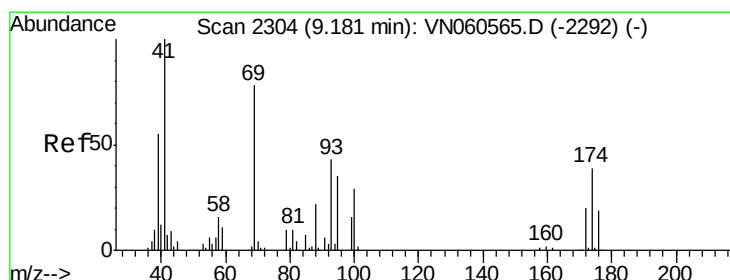
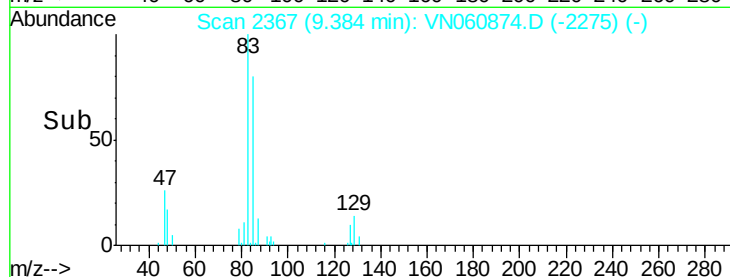
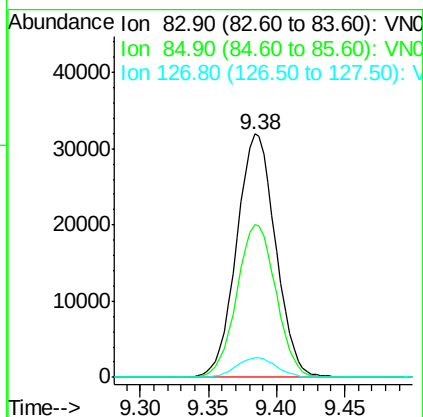
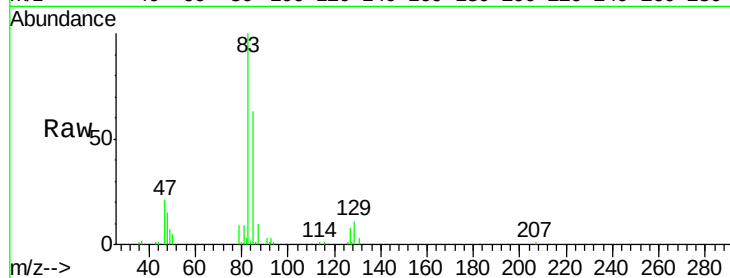
ClientSampleId :

VN0407WBSD01

Tot Ion:	83	Resp:	63296
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.6
127	8.2	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:08 AM



#48

Methyl methacrylate

Concen: 18.723 ug/l

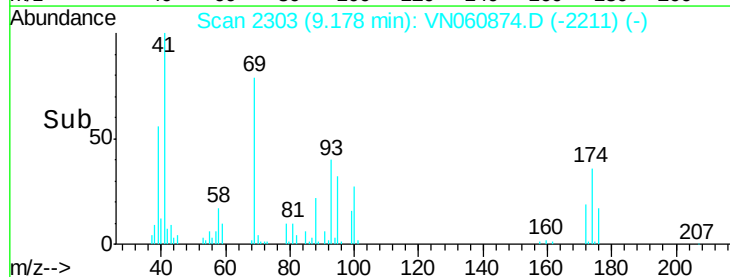
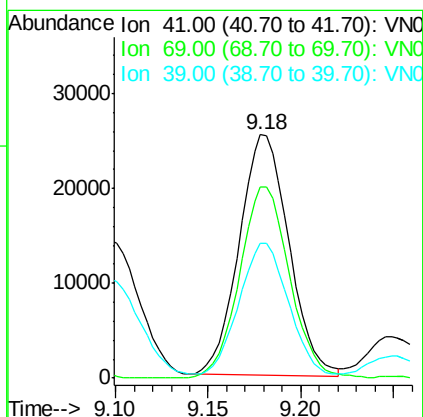
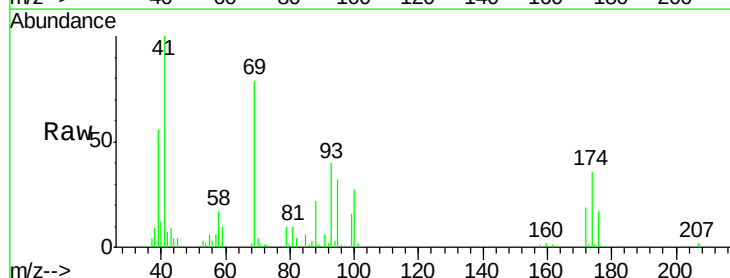
RT: 9.18 min Scan# 2303

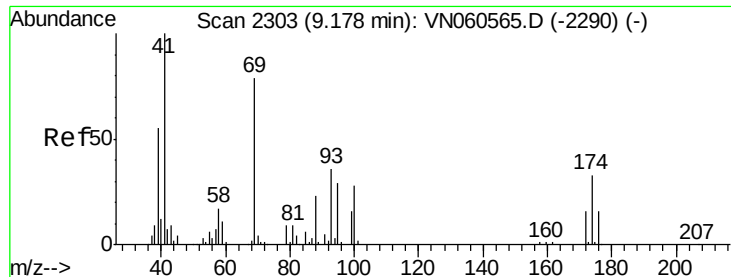
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion:	41	Resp:	47305
Ion	Ratio	Lower	Upper
41	100		
69	79.8	65.4	98.0
39	54.2	44.0	66.0





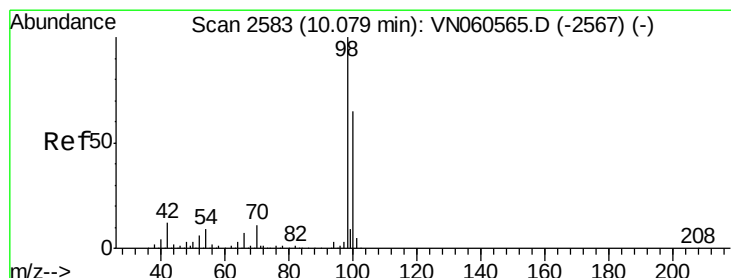
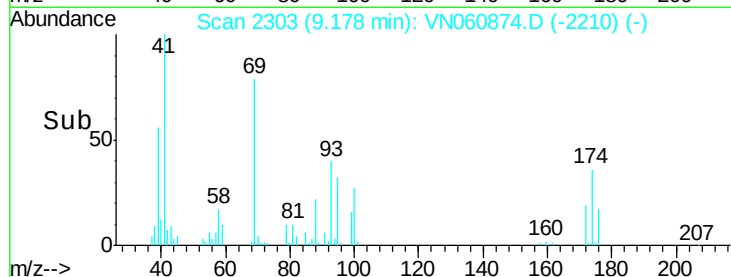
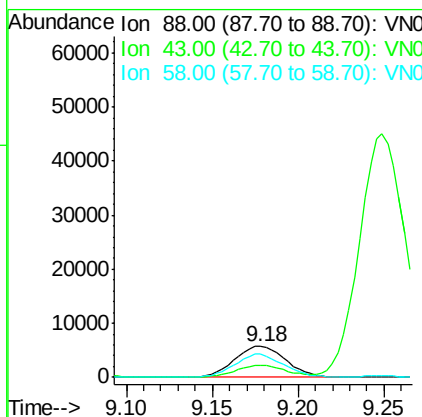
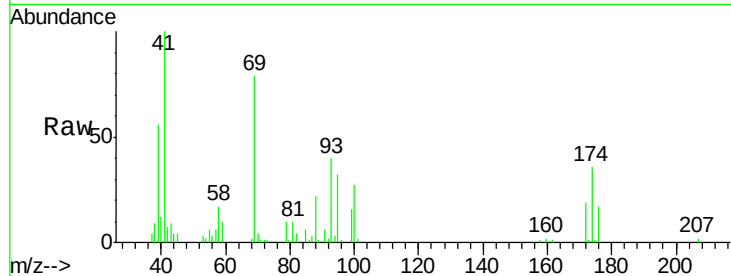
#49
 1,4-Dioxane
 Concen: 398.391 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	88	Resp	11964
Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.8	46.2
58	70.6	59.8	89.8

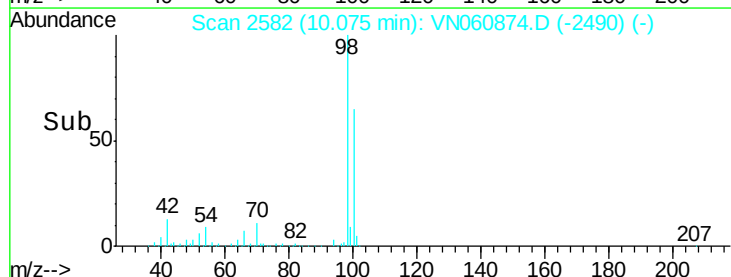
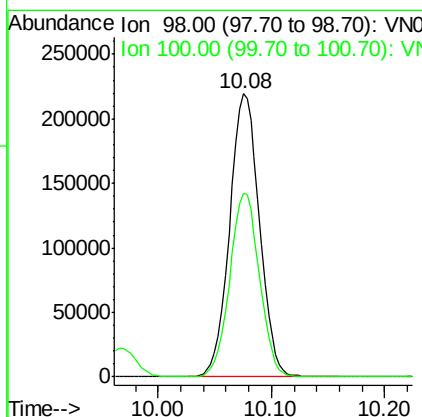
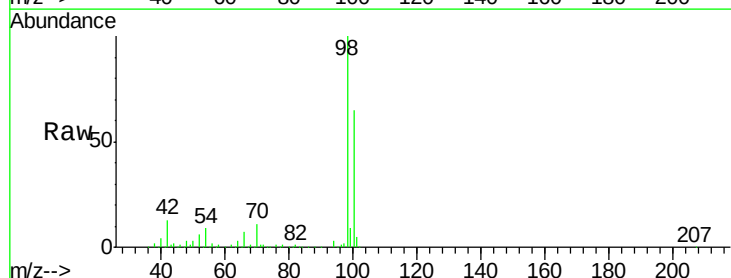
Manual Integrations
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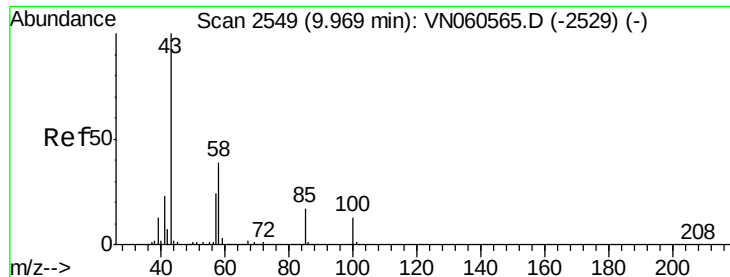
MMDadoda
 4/8/2020 9:39:08 AM



#50
 Toluene-d8
 Concen: 49.468 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	98	Resp	401805
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 94.414 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion: 43 Resp: 304876

Ion Ratio Lower Upper

43 100

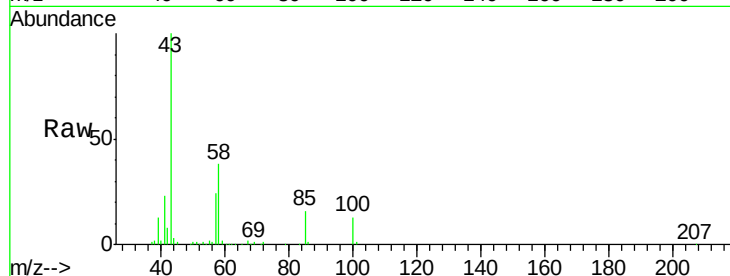
58 38.0 30.8 46.2

Manual Integrations

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MMDadoda

4/8/2020 9:39:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

200000

150000

100000

50000

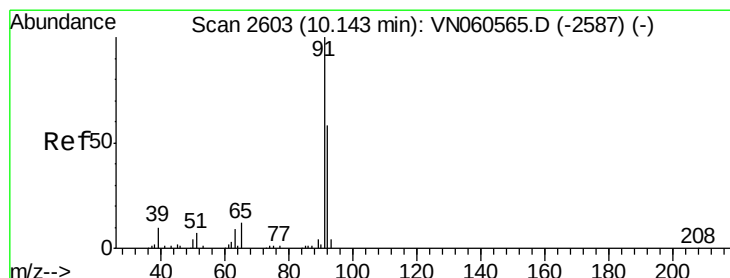
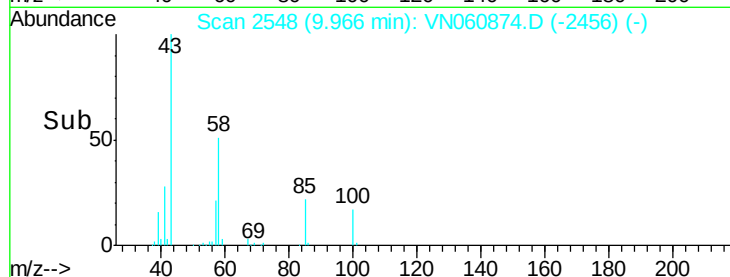
0

9.90

9.97

10.00

Time-->



#52

Toluene

Concen: 19.676 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060874.D

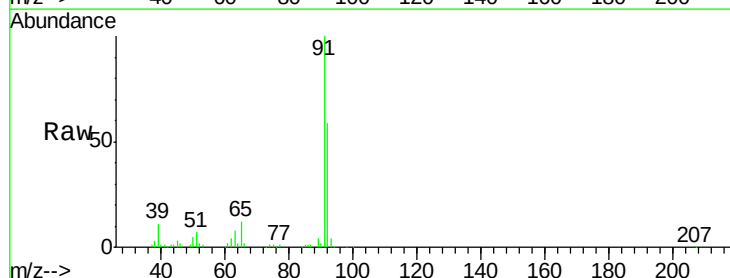
Acq: 7 Apr 2020 14:10

Tgt Ion: 92 Resp: 114235

Ion Ratio Lower Upper

92 100

91 171.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

120000

100000

80000

60000

40000

20000

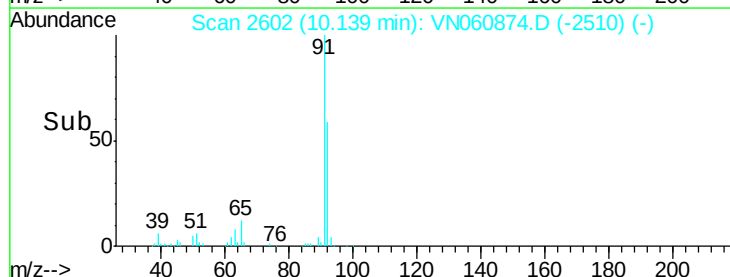
0

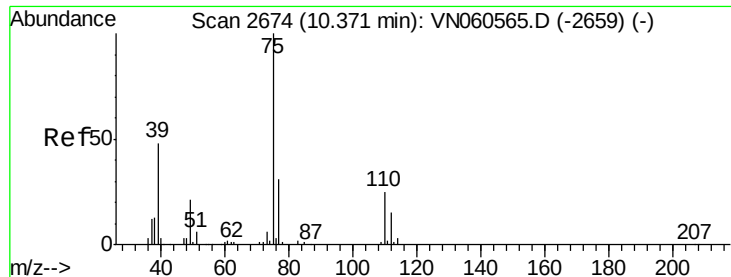
10.10

10.14

10.20

Time-->





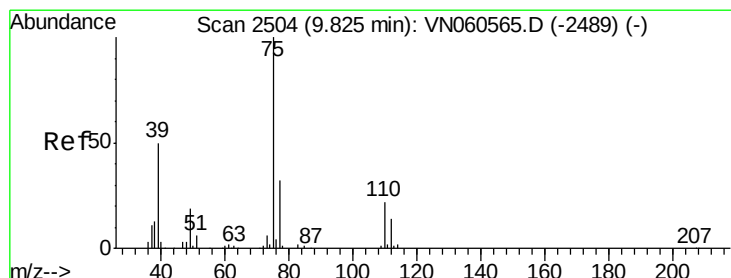
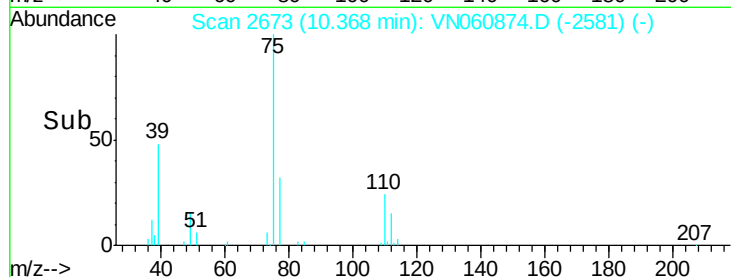
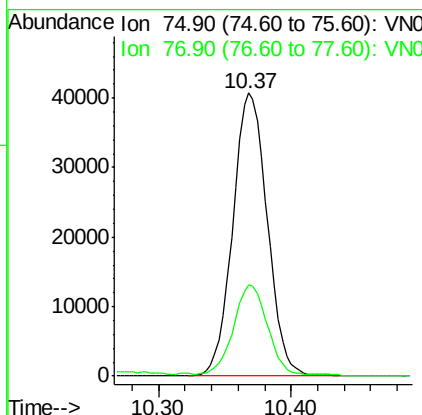
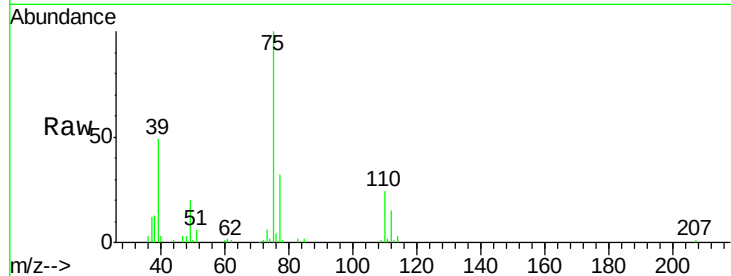
#53
t-1,3-Dichloropropene
Concen: 20.073 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7

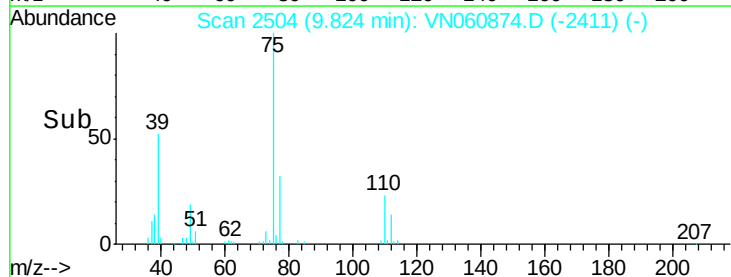
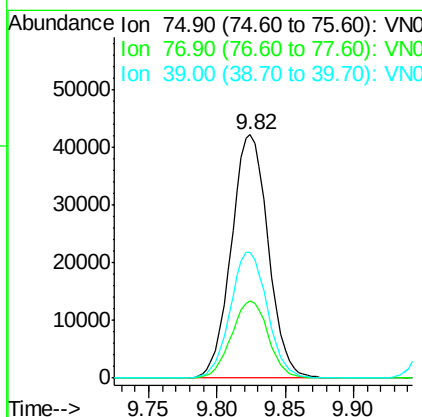
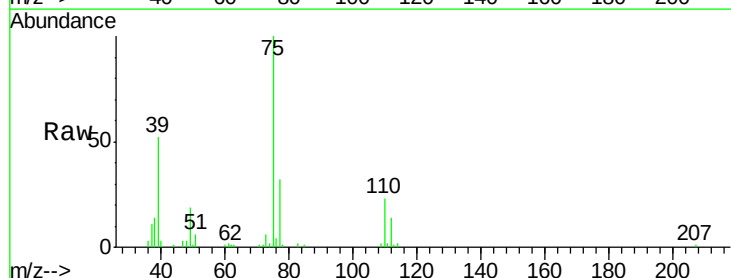
Manual Integrations
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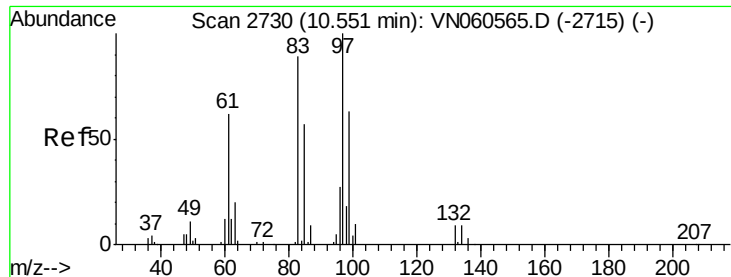
MMDadoda
4/8/2020 9:39:08 AM



#54
cis-1,3-Dichloropropene
Concen: 19.795 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	51.7	40.2	60.4





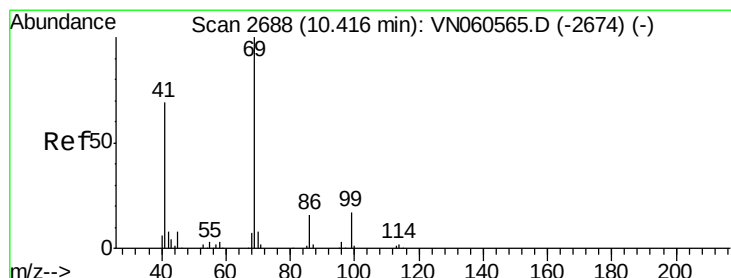
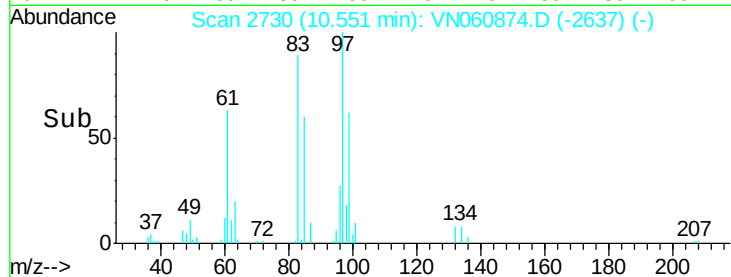
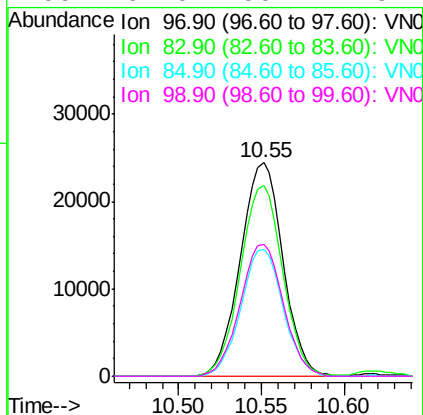
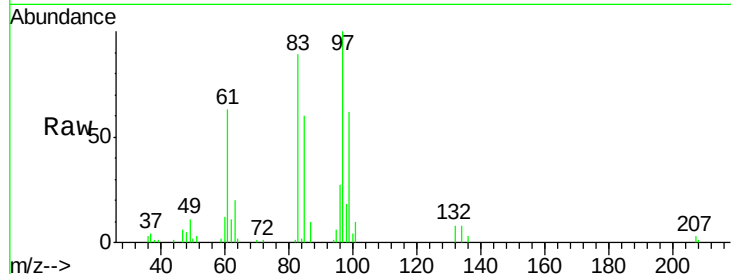
#55
 1,1,2-Trichloroethane
 Concen: 19.535 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion:	97	Resp:	43632
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.3	106.9
85	59.5	45.2	67.8
99	62.0	50.1	75.1

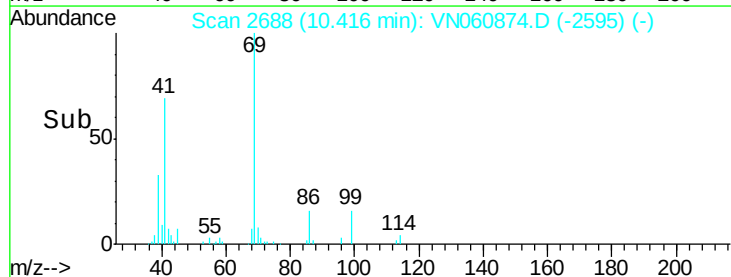
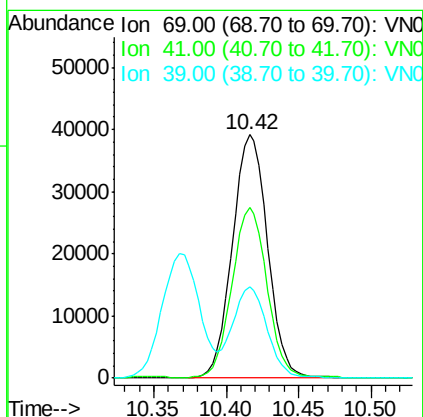
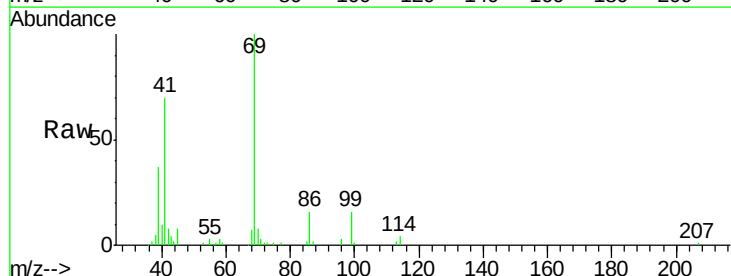
Manual Integrations
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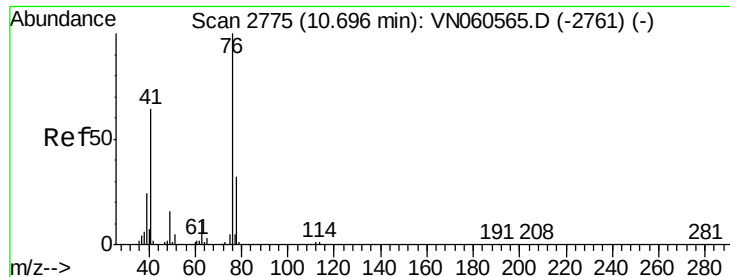
MMDadoda
 4/8/2020 9:39:08 AM



#56
 Ethyl methacrylate
 Concen: 18.961 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion:	69	Resp:	66033
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.4	83.2
39	37.3	29.4	44.0





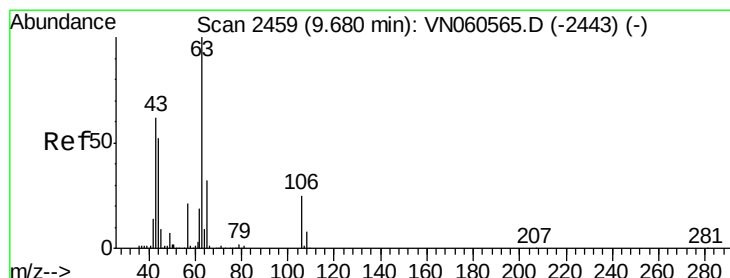
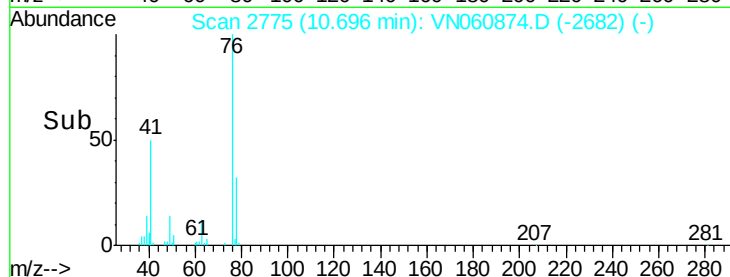
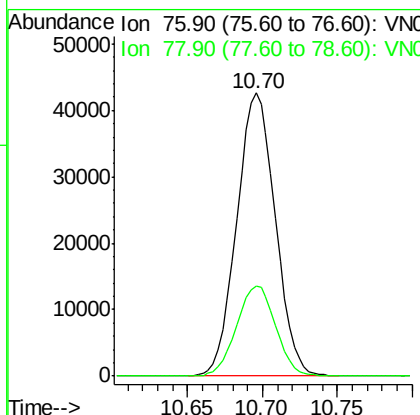
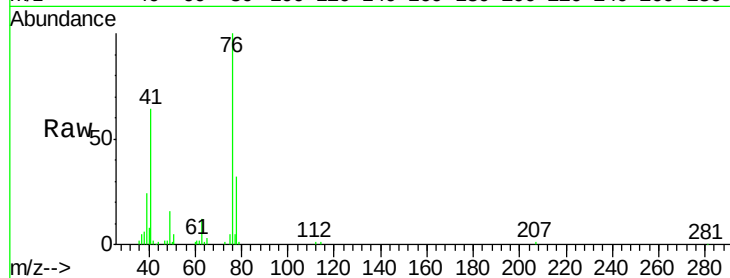
#57
 1,3-Dichloropropane
 Concen: 19.753 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

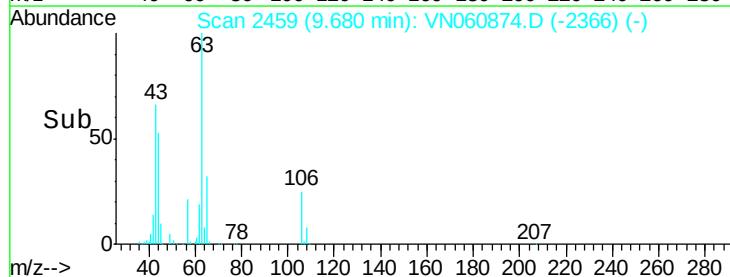
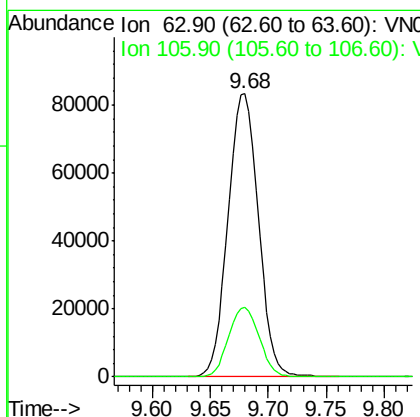
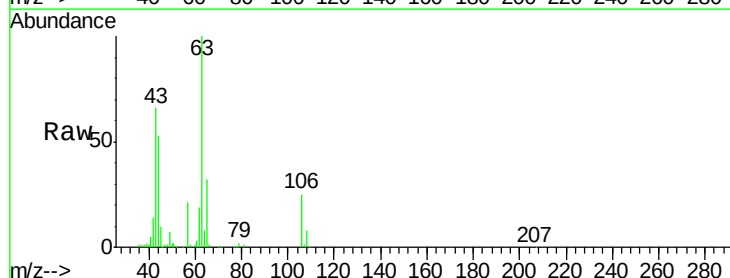
Manual Integrations
 APPROVED

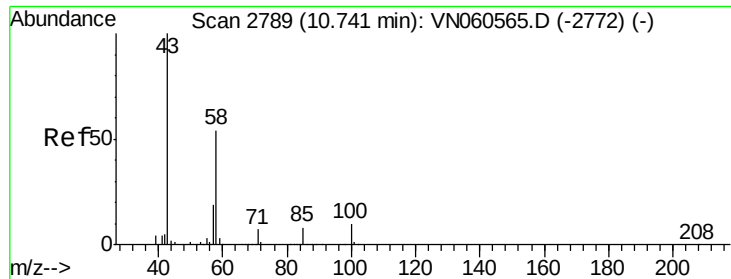
MMDadoda
 4/8/2020 9:39:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.327 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.0	30.0





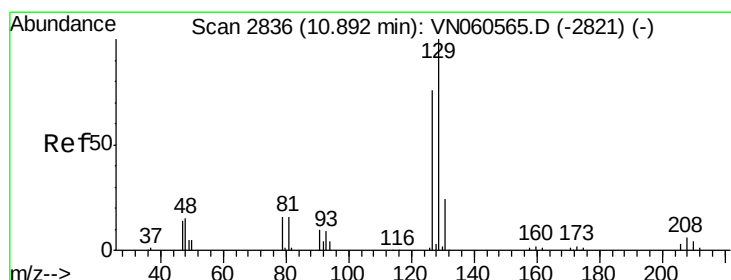
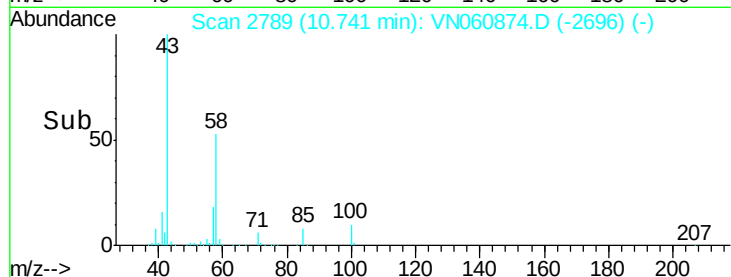
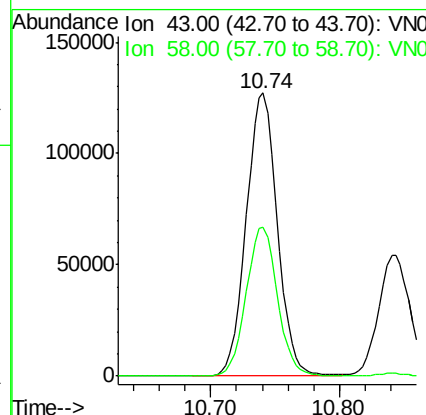
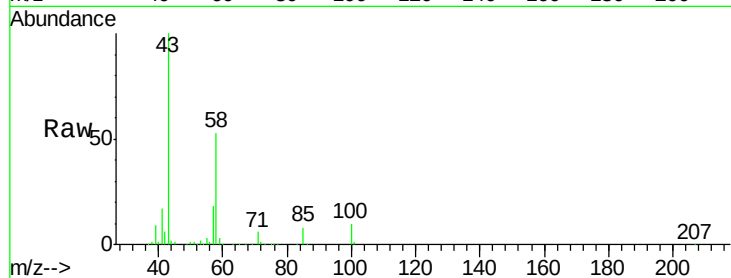
#59
2-Hexanone
Concen: 91.945 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion: 43 Resp: 213875
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

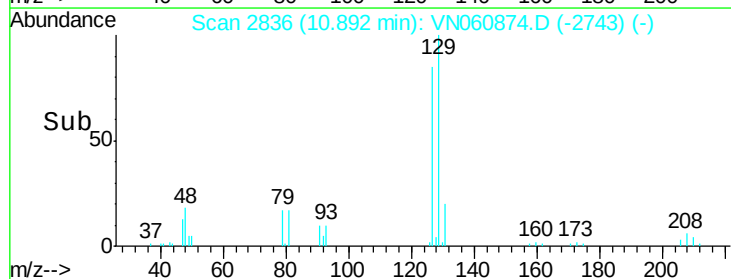
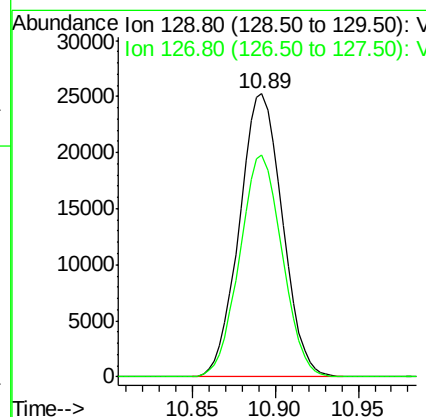
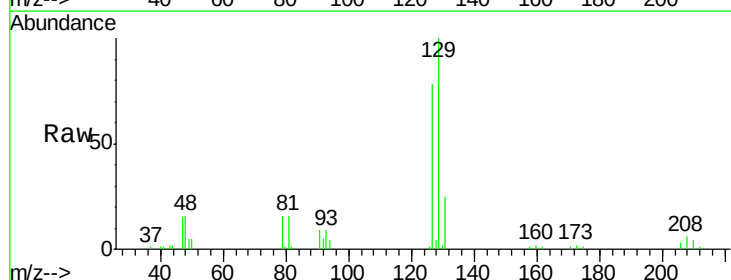
Manual Integrations
APPROVED

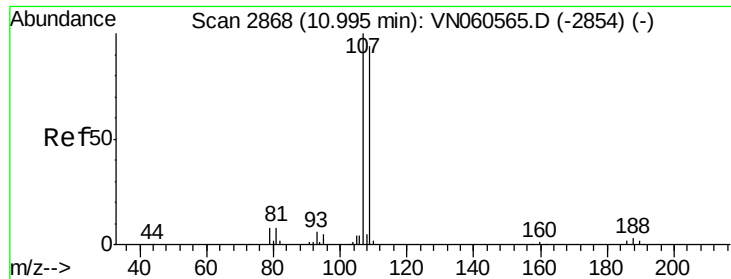
MMDadoda
4/8/2020 9:39:08 AM



#60
Dibromochloromethane
Concen: 19.810 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion: 129 Resp: 45703
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





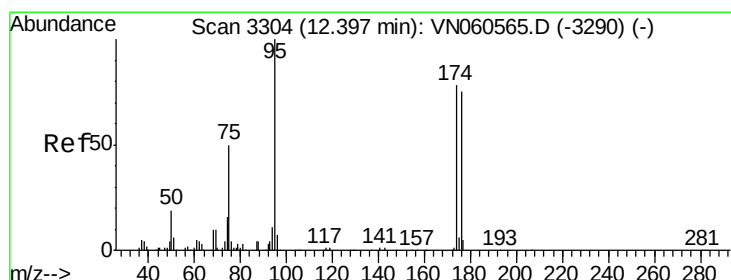
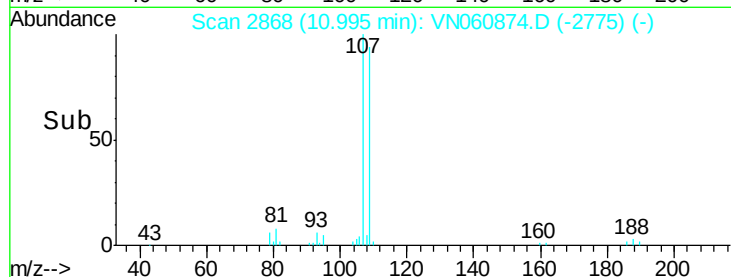
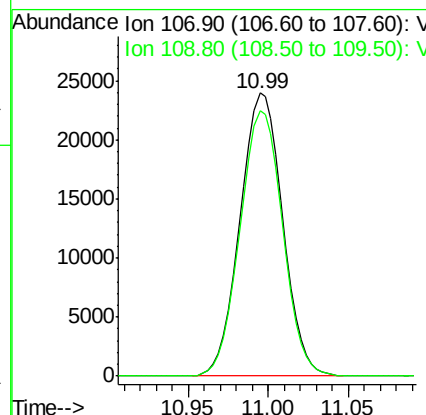
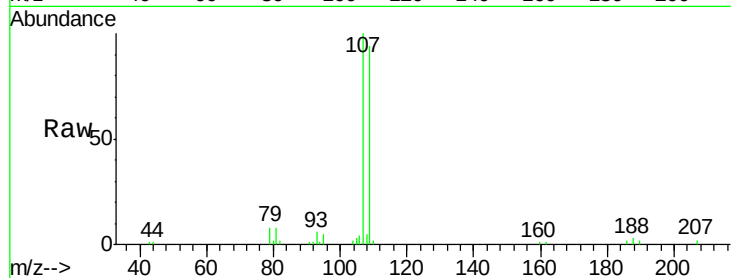
#61
 1,2-Dibromoethane
 Concen: 19.347 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

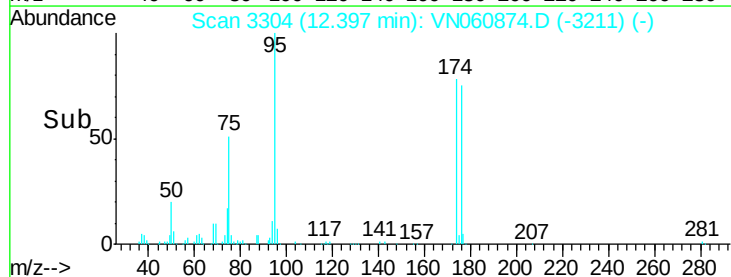
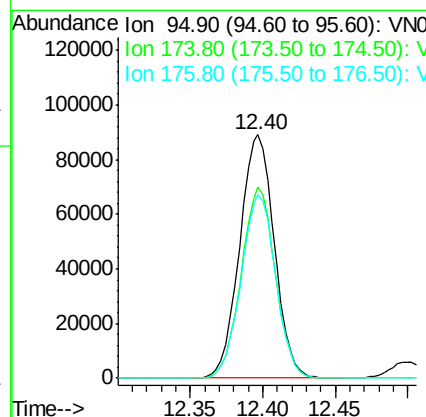
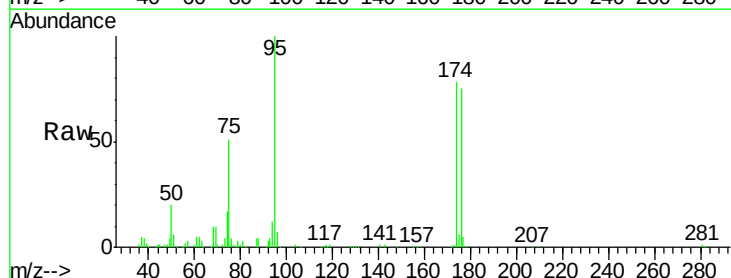
Manual Integrations
 APPROVED

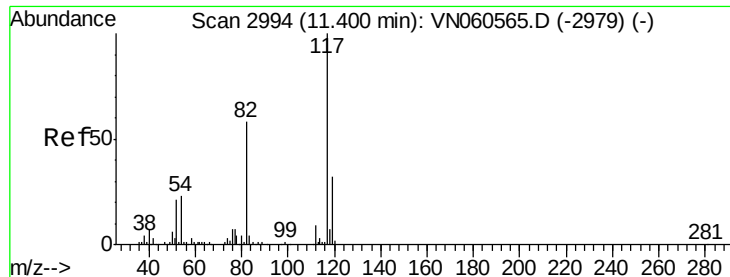
MMDadoda
 4/8/2020 9:39:08 AM



#62
 4-Bromofluorobenzene
 Concen: 49.496 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	157.6
176	75.5	0.0	150.6





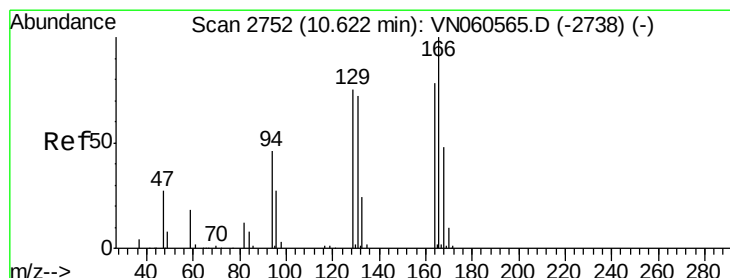
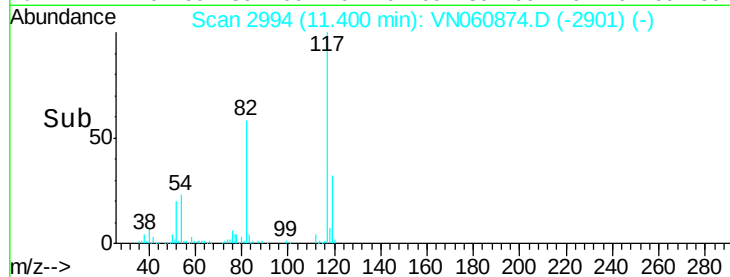
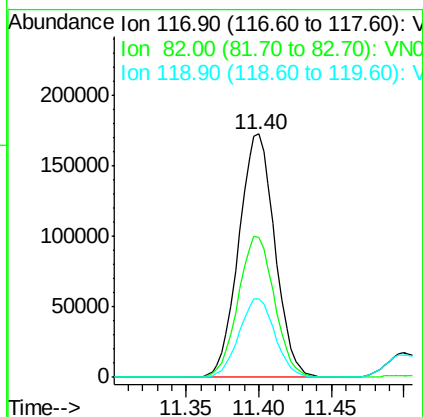
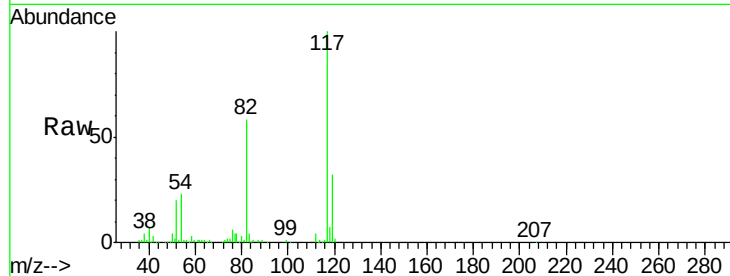
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299094		
82	57.5	46.7	70.1	
119	32.2	25.5	38.3	

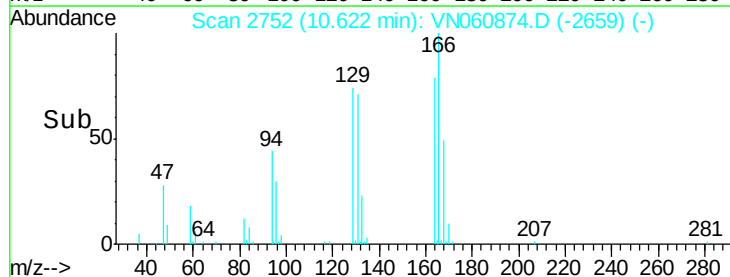
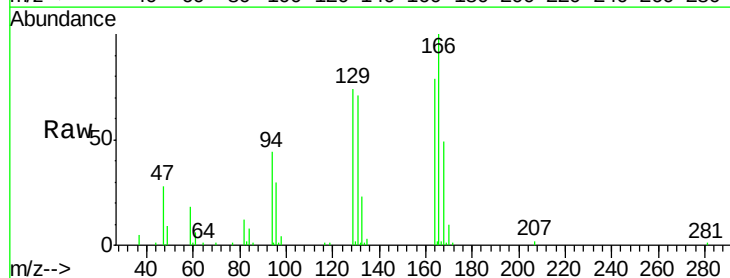
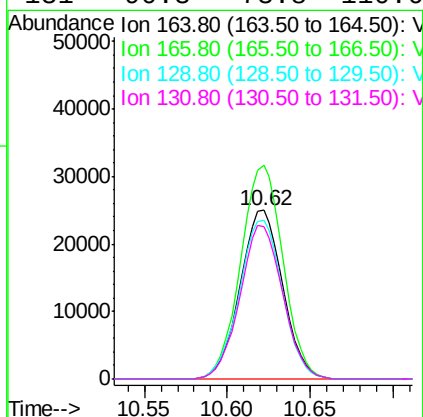
Manual Integrations
APPROVED

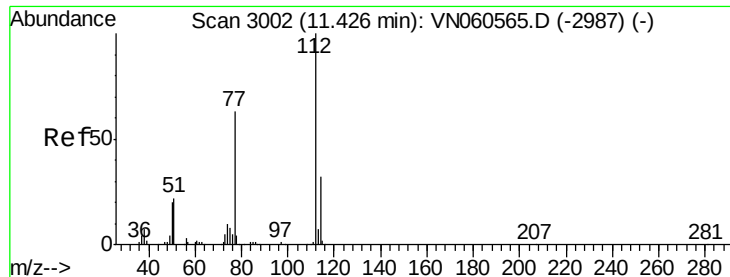
MMDadoda
4/8/2020 9:39:08 AM



#64
Tetrachloroethene
Concen: 19.003 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44726		
166	126.6	102.7	154.1	
129	93.9	77.2	115.8	
131	90.3	73.8	110.6	





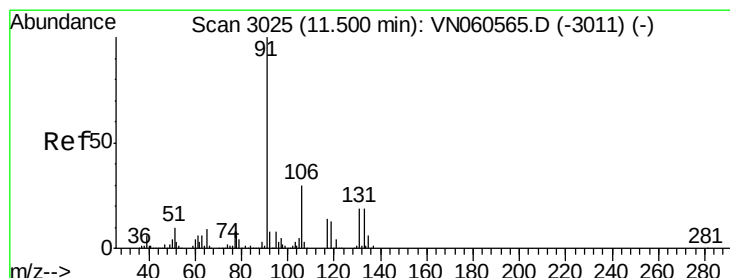
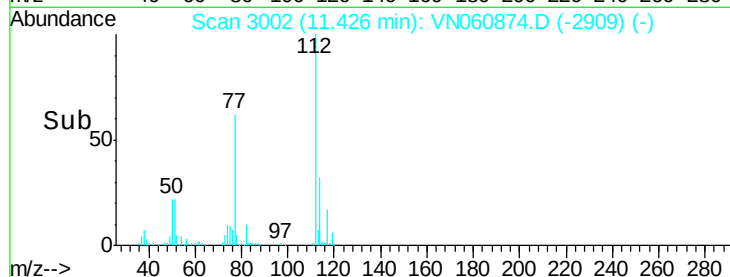
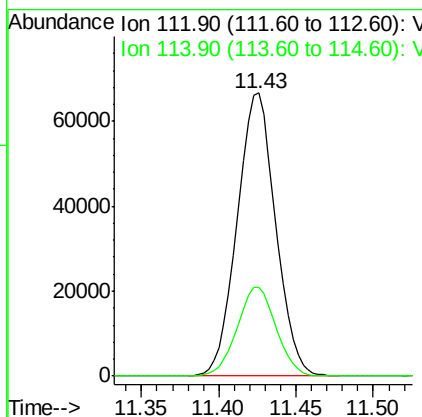
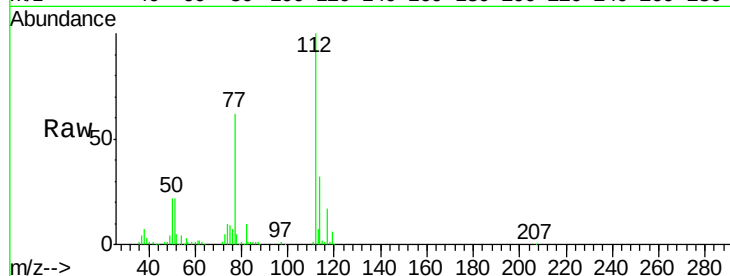
#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

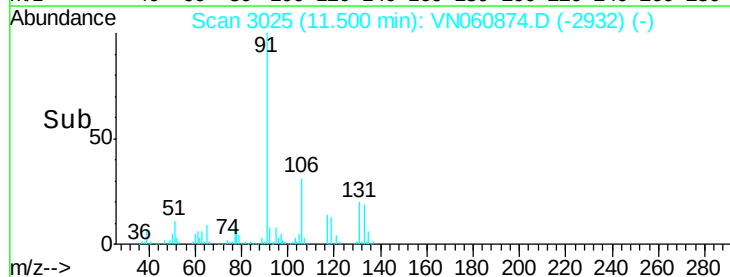
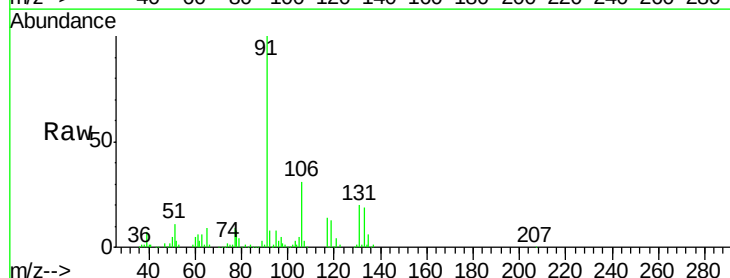
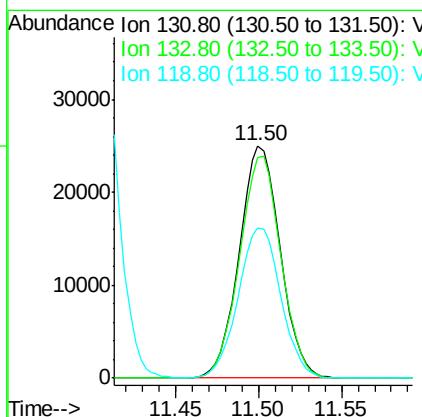
Manual Integrations
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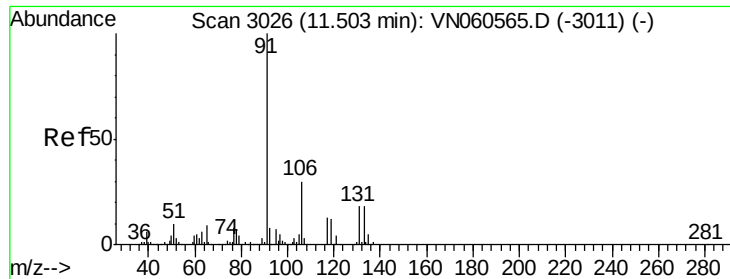
MMDadoda
4/8/2020 9:39:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.982 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.9	146.8
119	67.3	33.9	101.7





#67

Ethyl Benzene

Concen: 19.733 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0407WBSD01

Tot Ion: 91 Resp: 217587

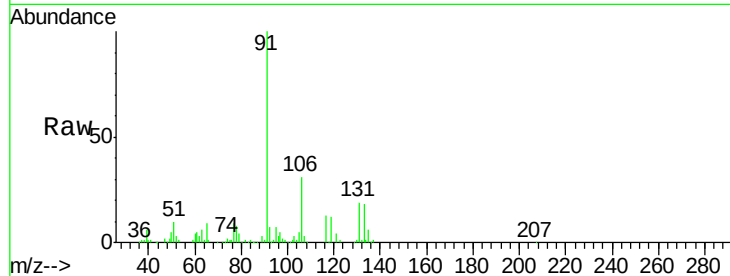
Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.2

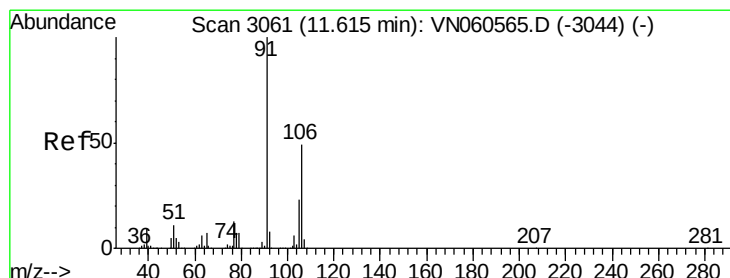
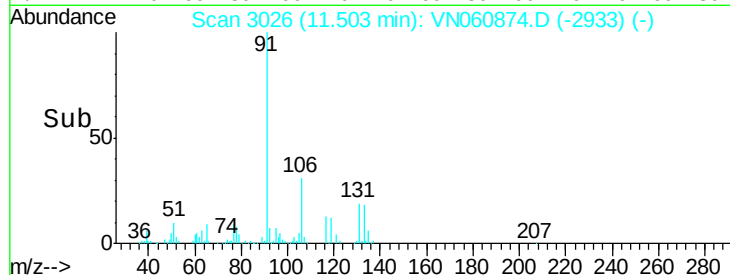
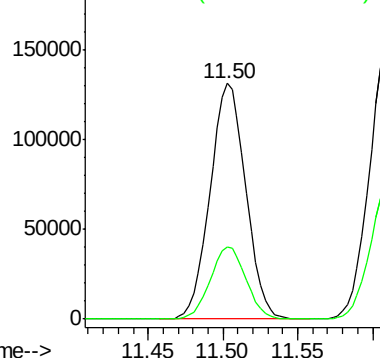
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.984 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060874.D

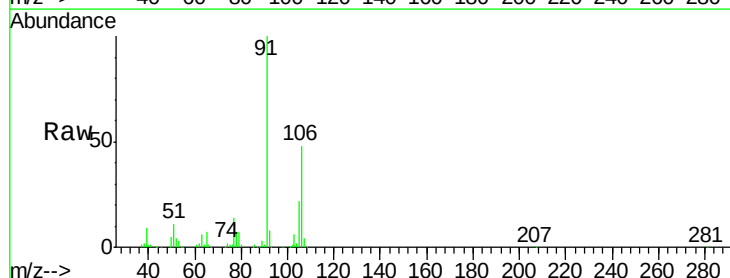
Acq: 7 Apr 2020 14:10

Tgt Ion: 106 Resp: 159733

Ion Ratio Lower Upper

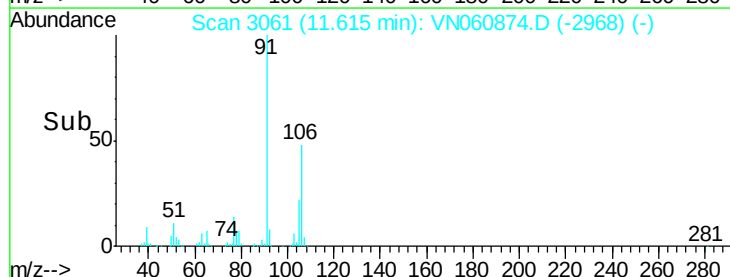
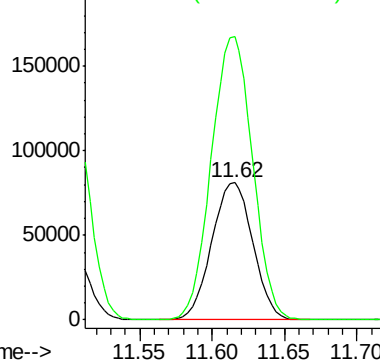
106 100

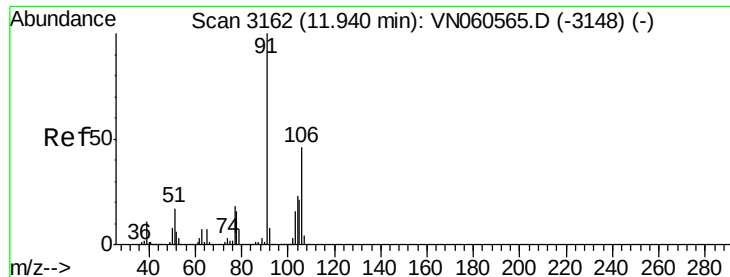
91 207.2 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





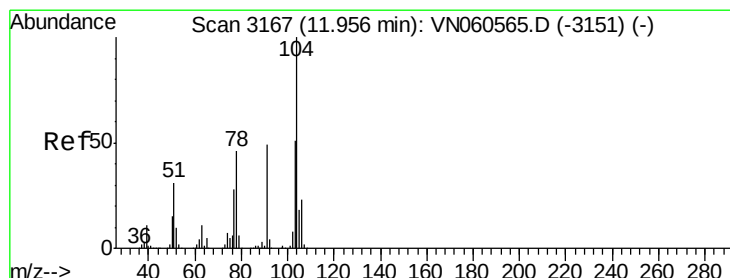
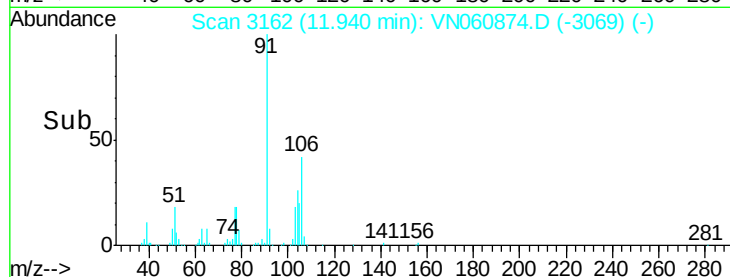
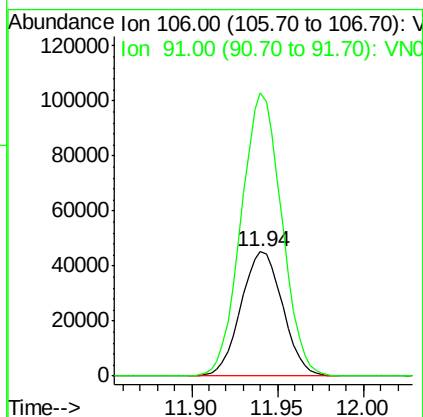
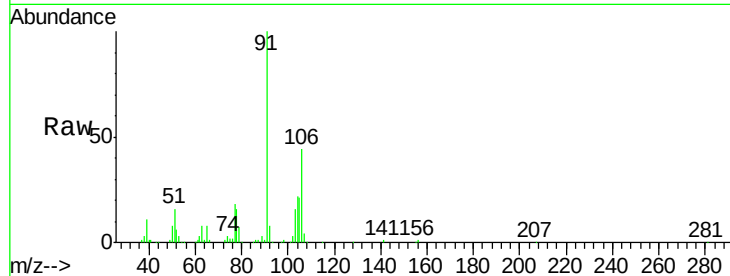
#69
o-Xylene
Concen: 19.489 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion:106 Resp: 76233
Ion Ratio Lower Upper
106 100
91 221.8 109.5 328.4

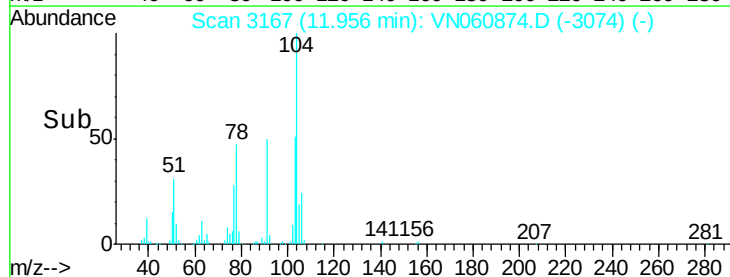
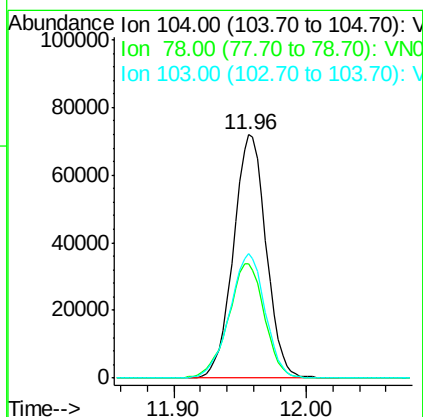
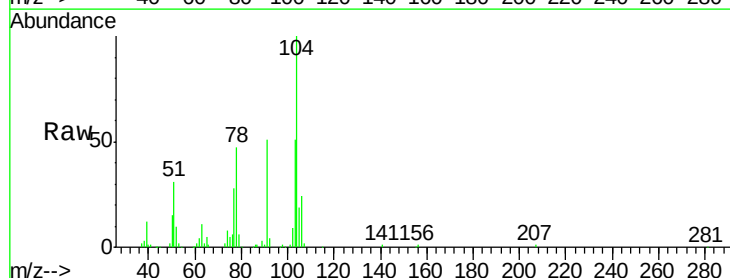
Manual Integrations
APPROVED

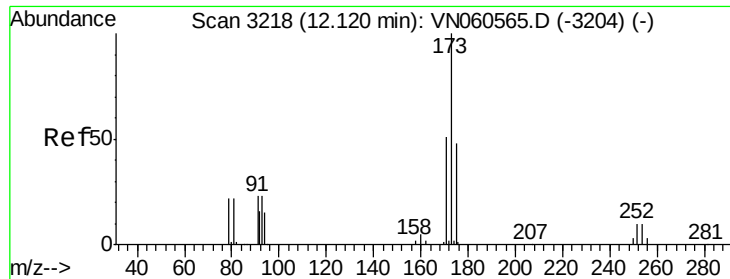
MMDadoda
4/8/2020 9:39:08 AM



#70
Styrene
Concen: 19.240 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion:104 Resp: 123081
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.2 44.0 66.0





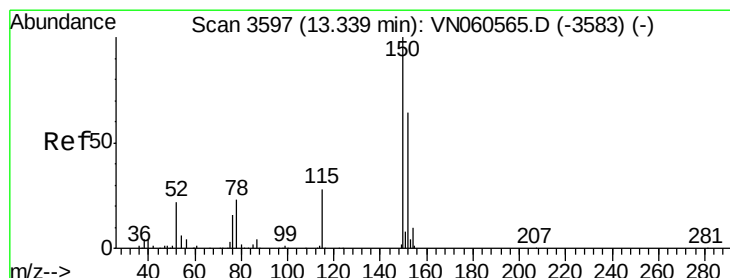
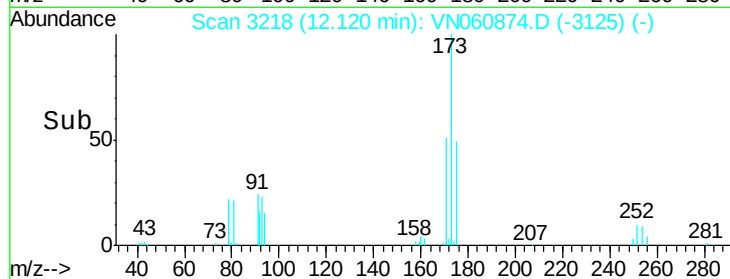
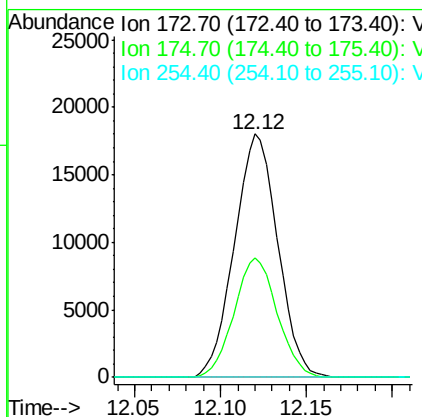
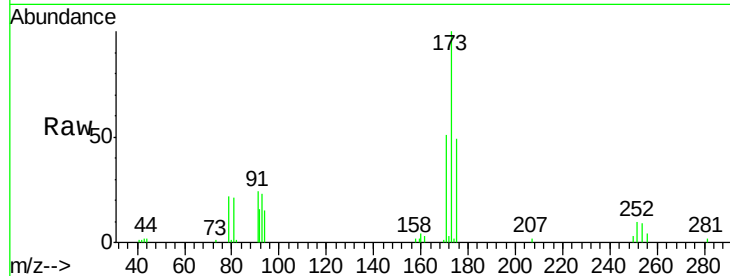
#71
Bromoform
Concen: 18.704 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

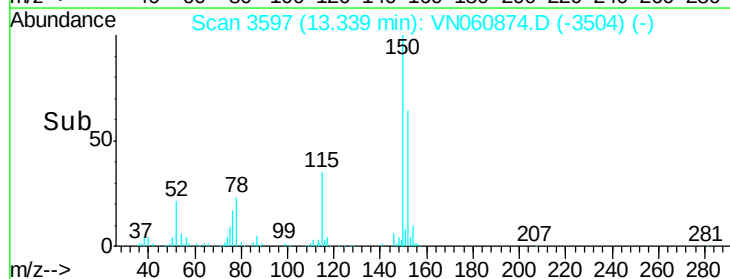
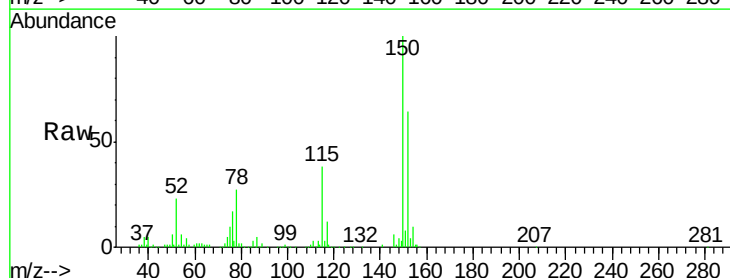
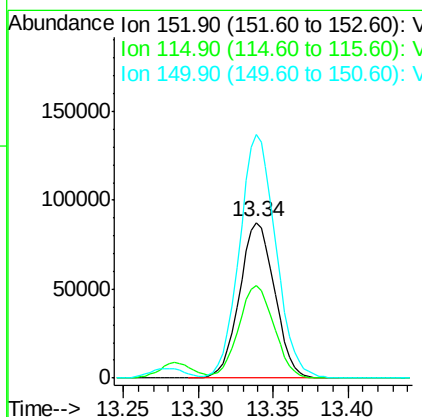
Manual Integrations
APPROVED

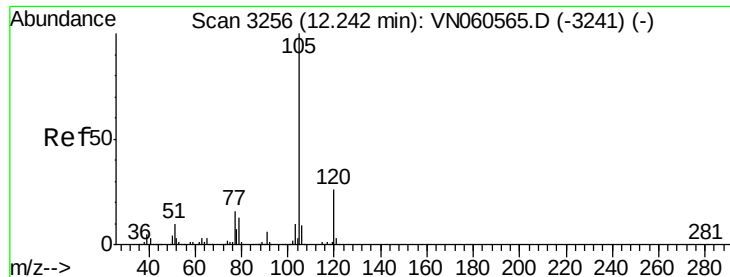
MMDadoda
4/8/2020 9:39:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.2	90.6
150	161.5	0.0	350.2





#73

Isopropylbenzene

Concen: 19.437 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBSD01

Tot Ion:105 Resp: 208446

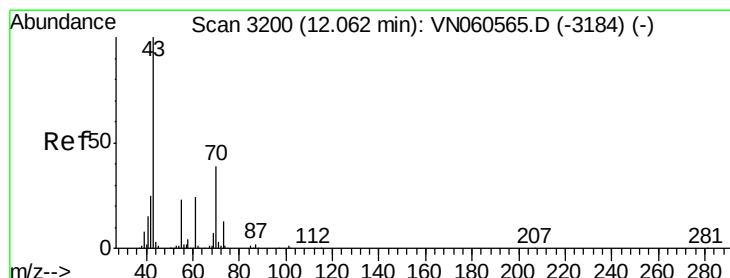
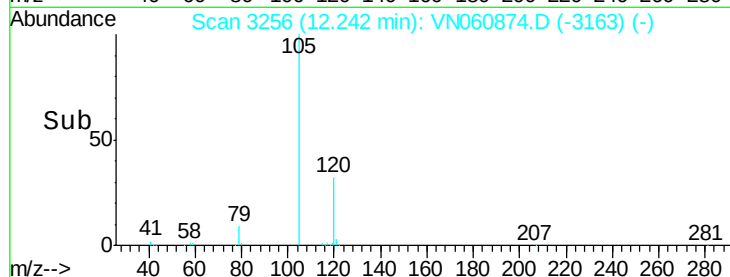
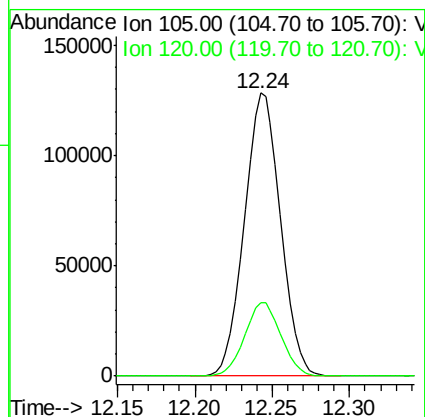
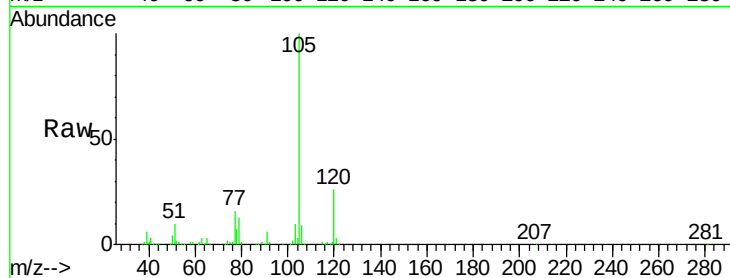
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:08 AM



#74

N-ethyl acetate

Concen: 17.804 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion: 43 Resp: 88226

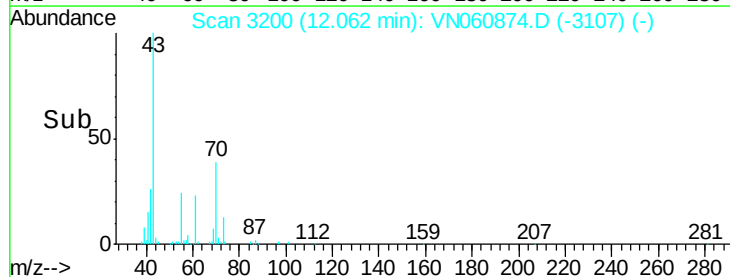
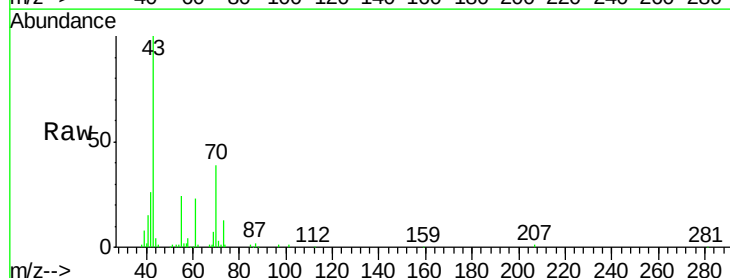
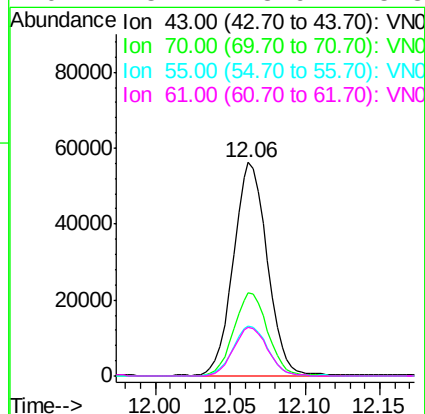
Ion Ratio Lower Upper

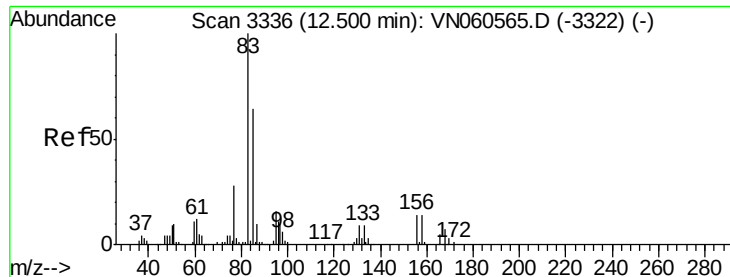
43 100

70 39.2 31.1 46.7

55 24.3 18.6 27.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.038 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

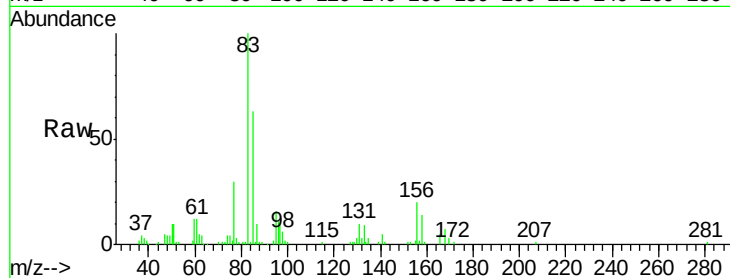
ClientSampleId :

VN0407WBSD01

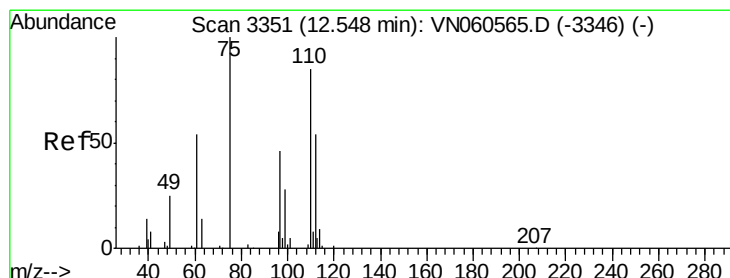
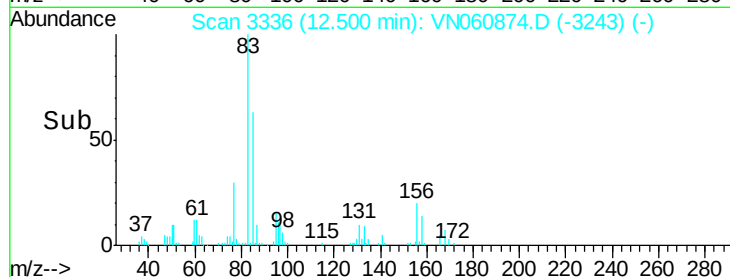
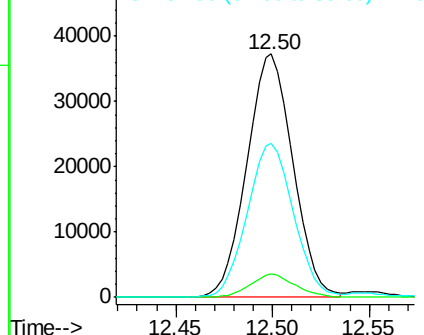
Tot Ion:	83	Resp:	61742
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.5	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:08 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060874.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 18.362 ug/l m

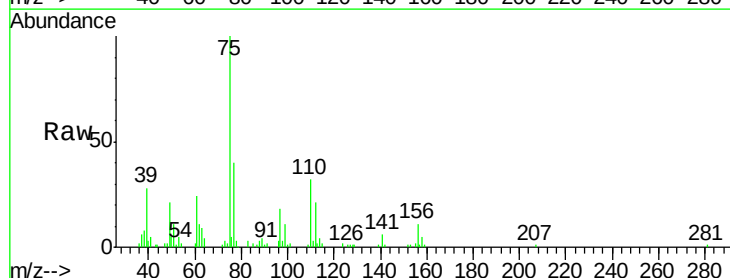
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

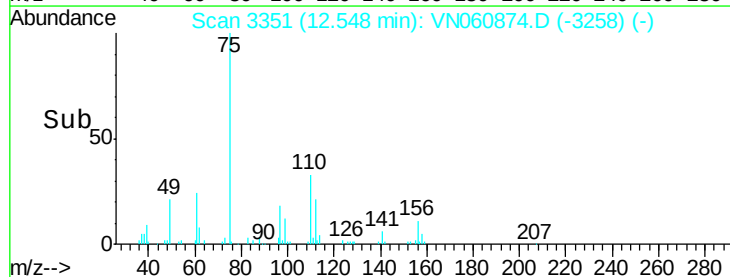
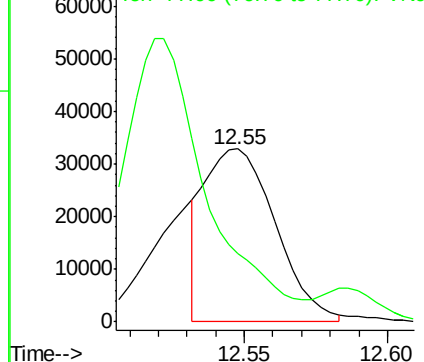
Lab File: VN060874.D

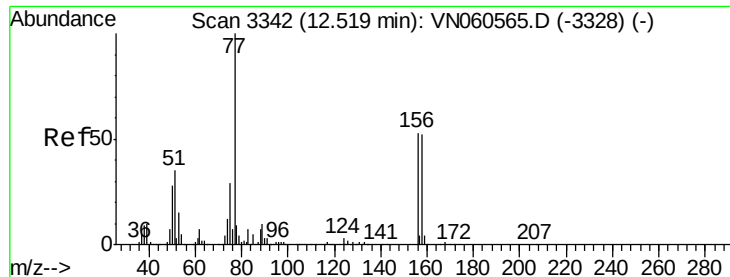
Acq: 7 Apr 2020 14:10

Tgt Ion:	75	Resp:	56618
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060874.D (-3258) (-)





#77

Bromobenzene

Concen: 25.083 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0407WBSD01

Tot Ion:156 Resp: 64817

Ion Ratio Lower Upper

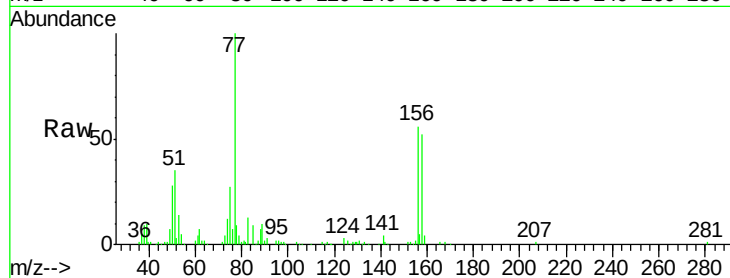
156 100

77 171.6 112.3 337.0

158 73.5 48.6 145.8

Manual Integrations
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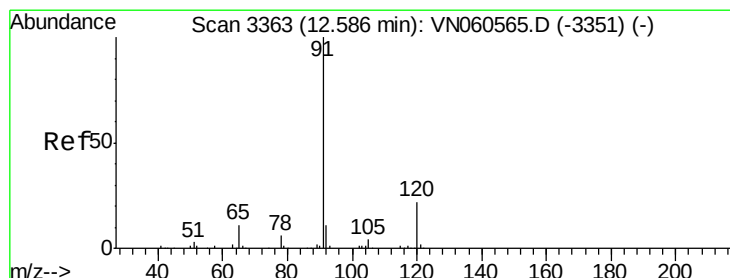
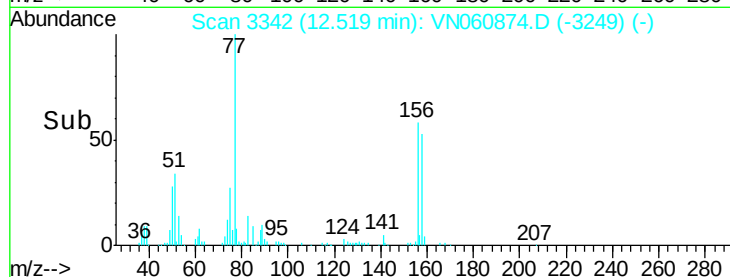
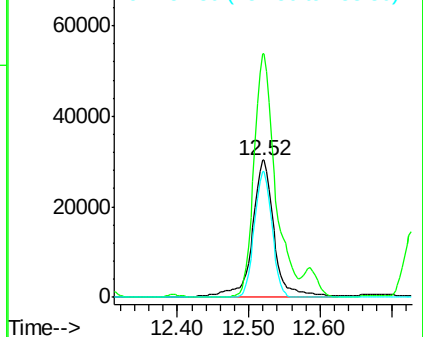
MMDadoda
4/8/2020 9:39:08 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.554 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060874.D

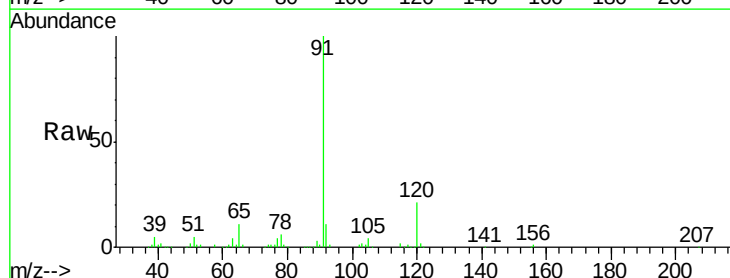
Acq: 7 Apr 2020 14:10

Tgt Ion: 91 Resp: 247745

Ion Ratio Lower Upper

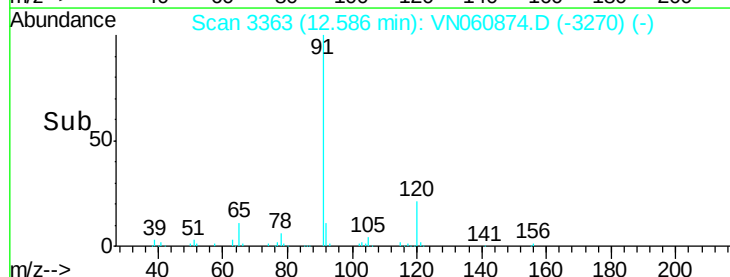
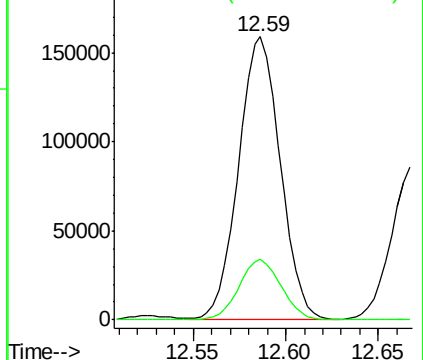
91 100

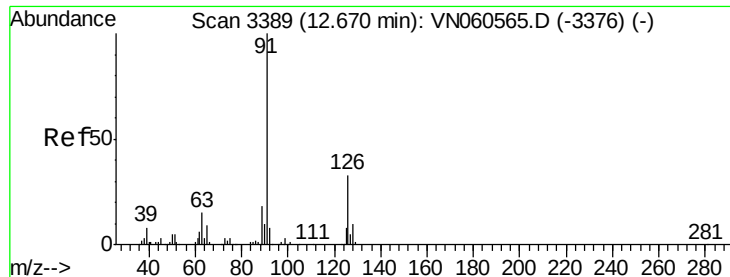
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





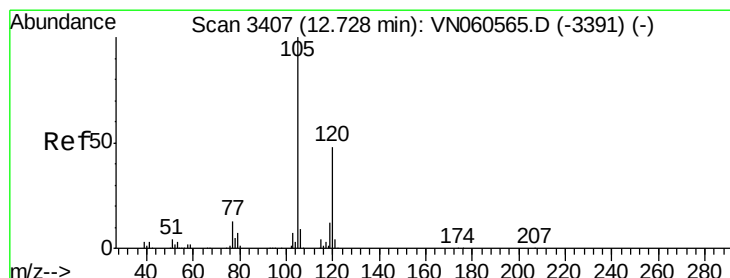
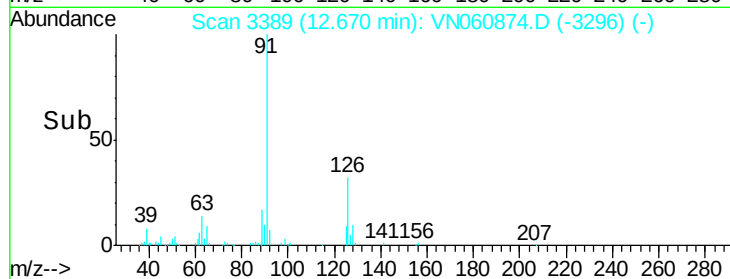
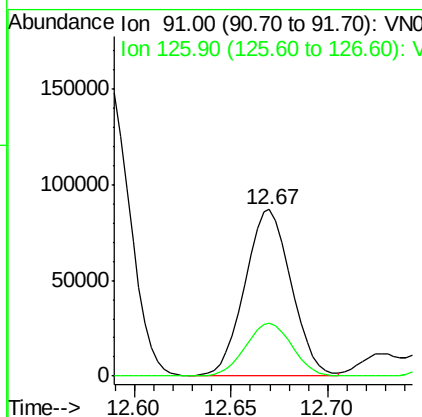
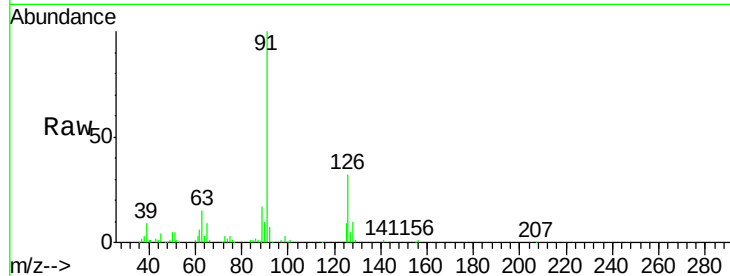
#79
2-Chlorotoluene
Concen: 19.041 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion: 91 Resp: 144144
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.1

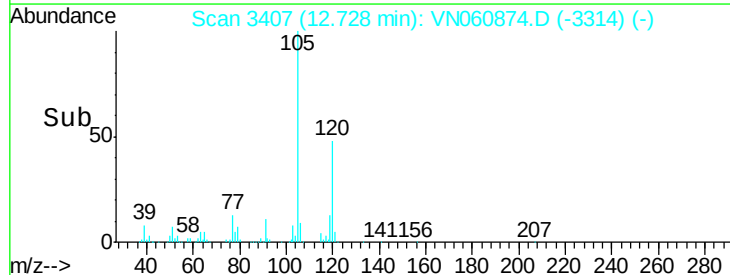
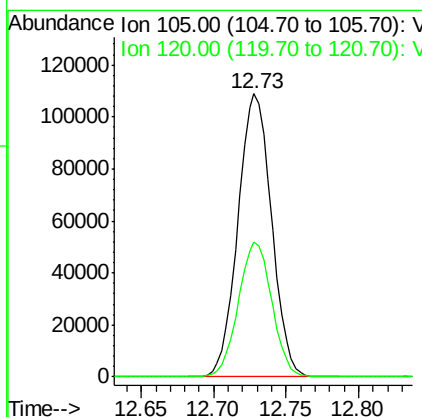
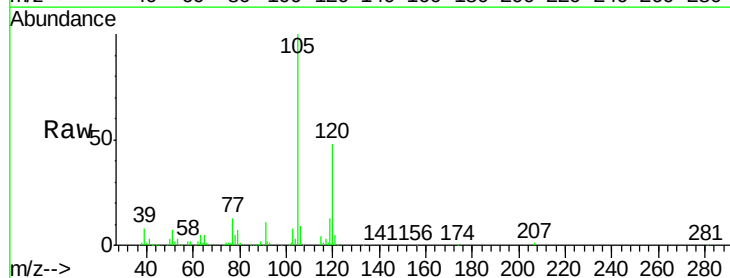
Manual Integrations
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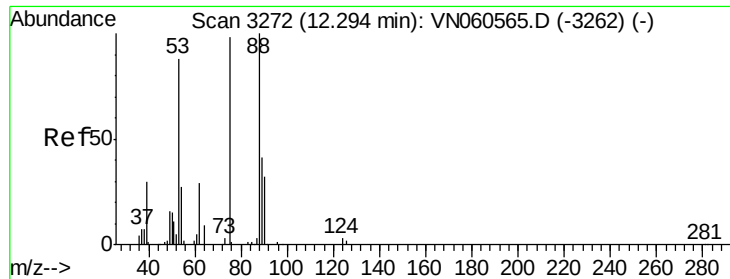
MMDadoda
4/8/2020 9:39:08 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.267 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion: 105 Resp: 175346
Ion Ratio Lower Upper
105 100
120 47.5 23.9 71.7





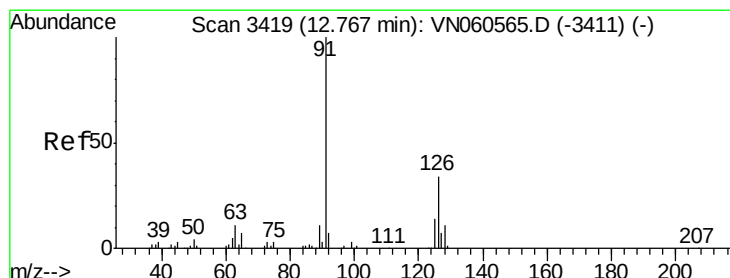
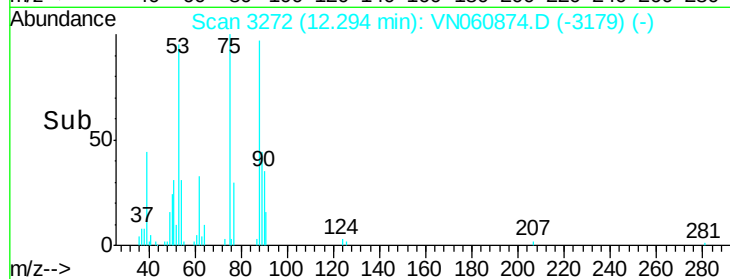
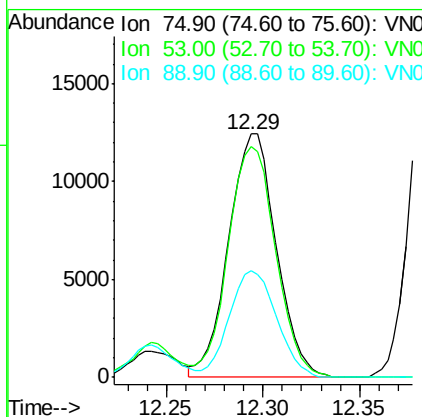
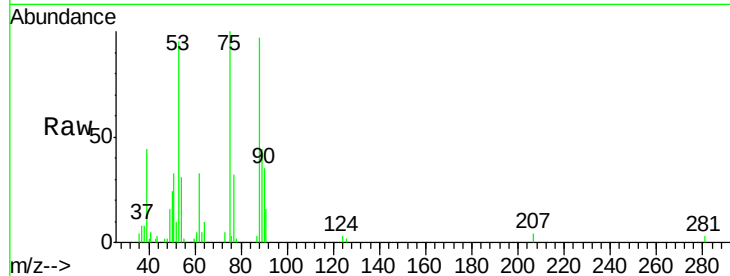
#81
trans-1,4-Dichloro-2-butene
Concen: 17.745 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.0	109.4
89	43.4	34.8	52.2

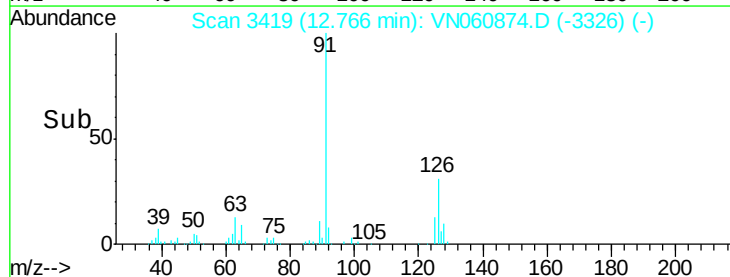
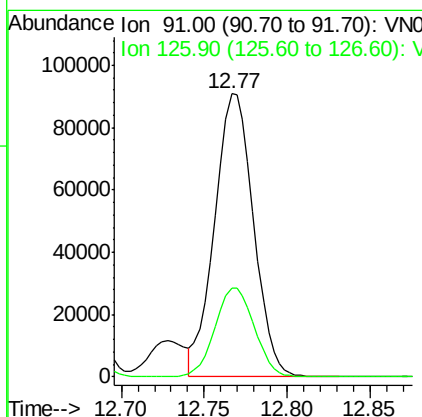
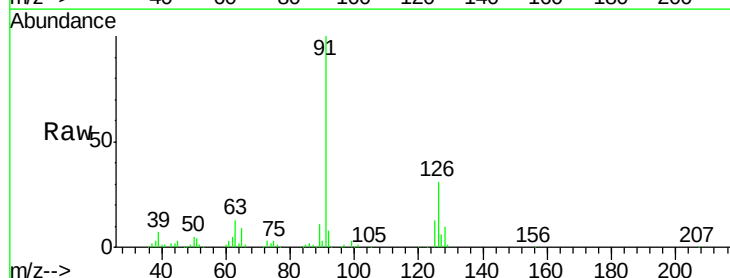
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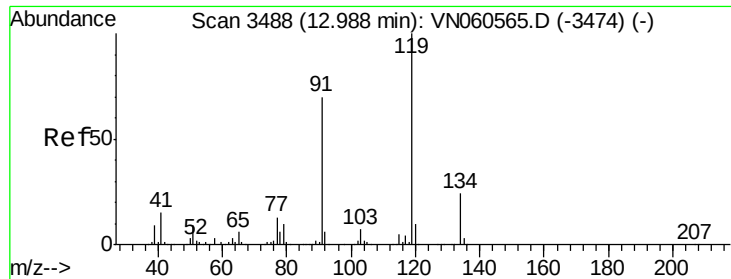
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#82
4-Chlorotoluene
Concen: 19.274 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





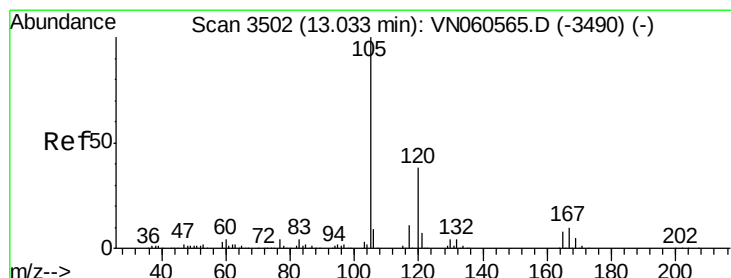
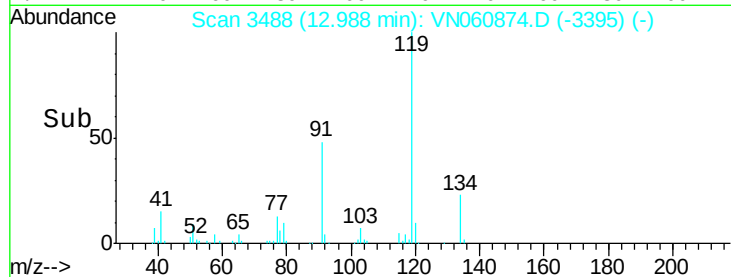
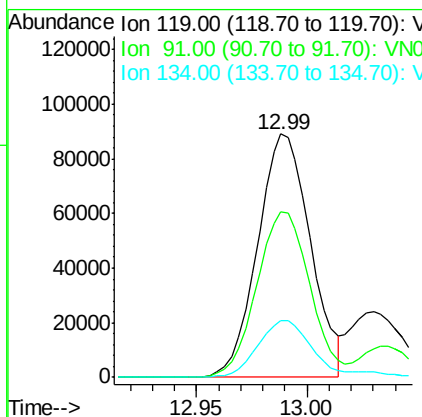
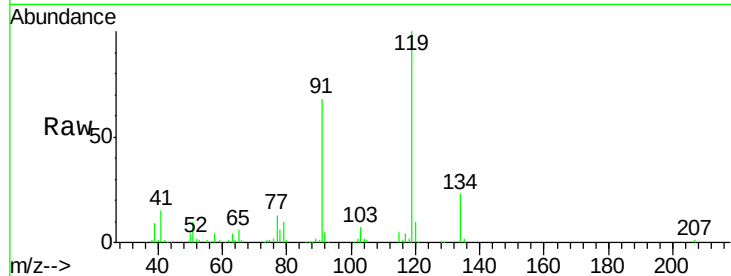
#83
 tert-Butylbenzene
 Concen: 19.621 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.0	101.8
134	24.9	12.7	38.0

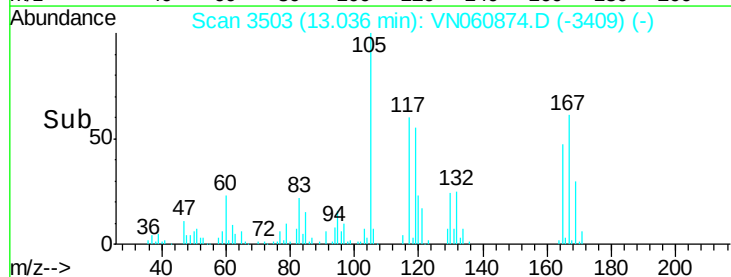
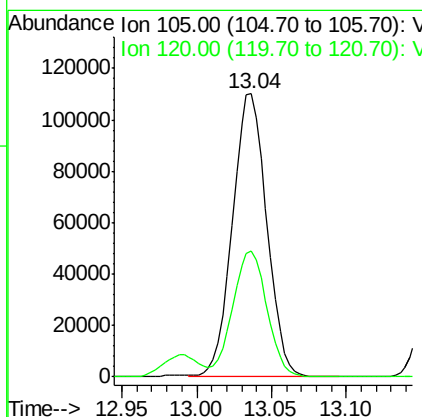
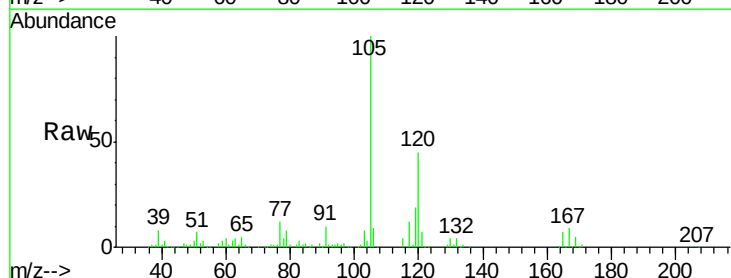
Manual Integrations
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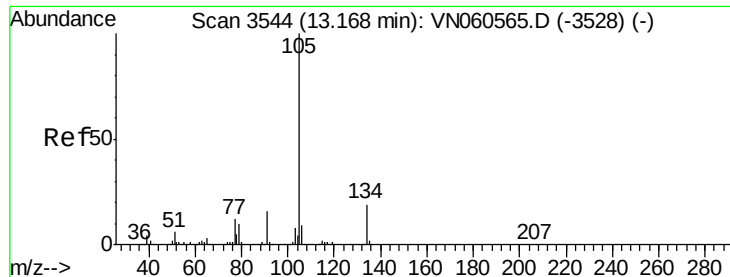
MMDadoda
 4/8/2020 9:39:08 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.511 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





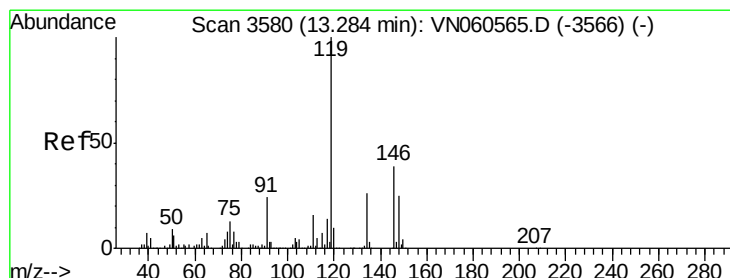
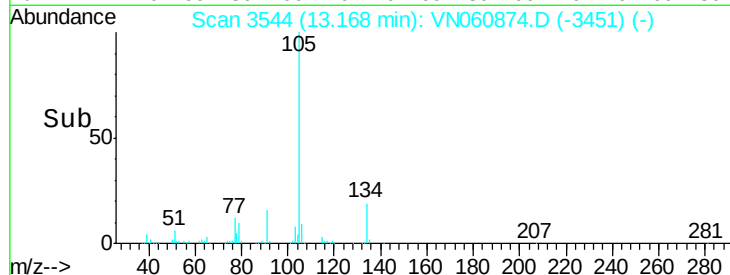
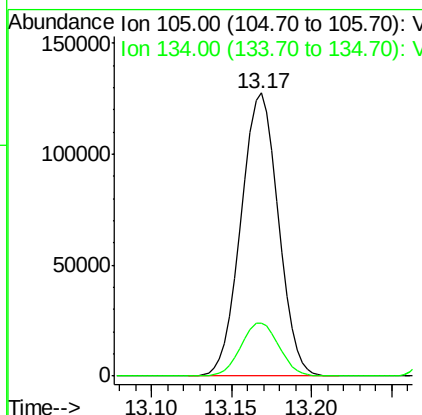
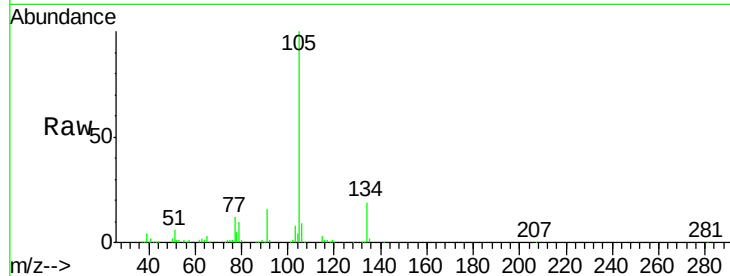
#85
 sec-Butylbenzene
 Concen: 19.966 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

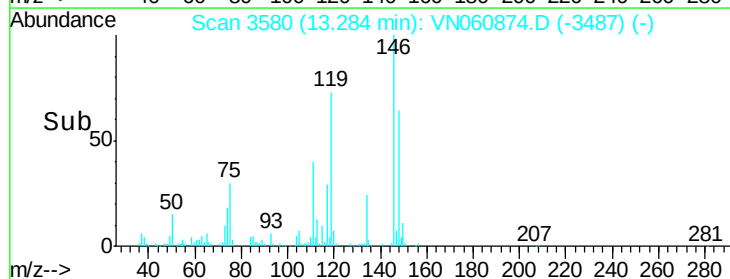
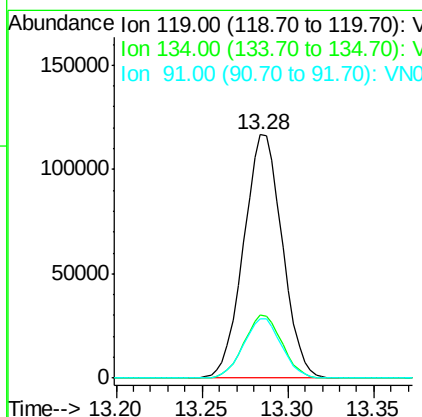
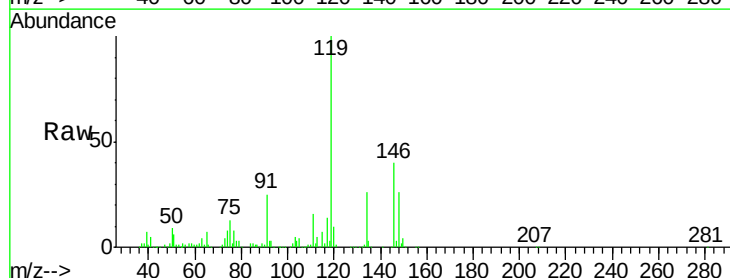
Manual Integrations
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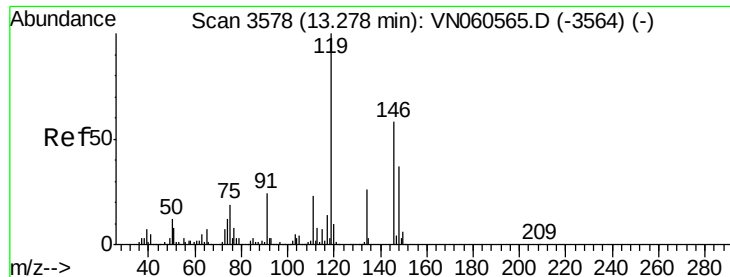
MMDadoda
 4/8/2020 9:39:08 AM



#86
 p-Isopropyltoluene
 Concen: 19.902 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	24.4	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 19.355 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060874.D

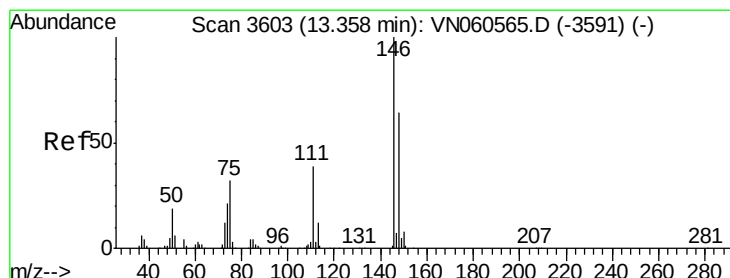
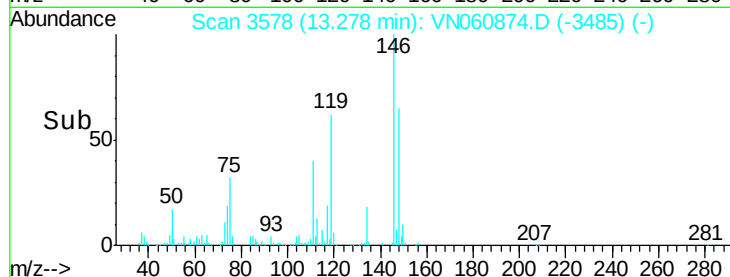
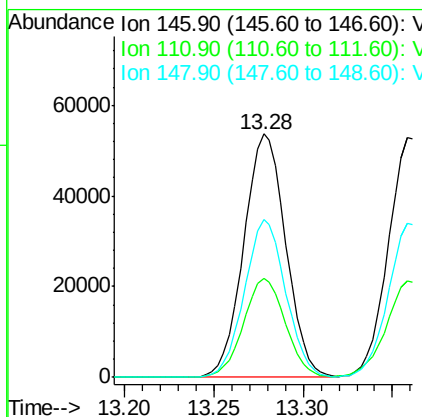
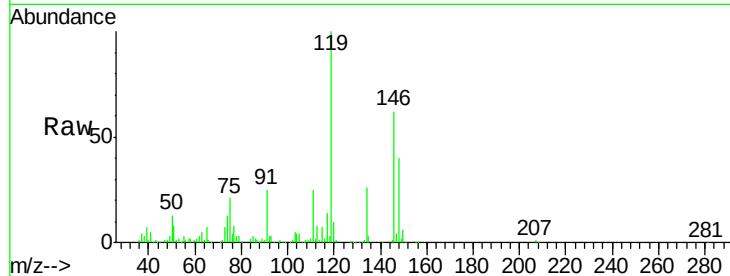
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.8	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.002 ug/l

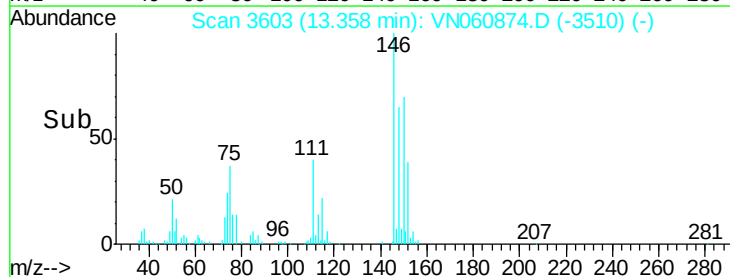
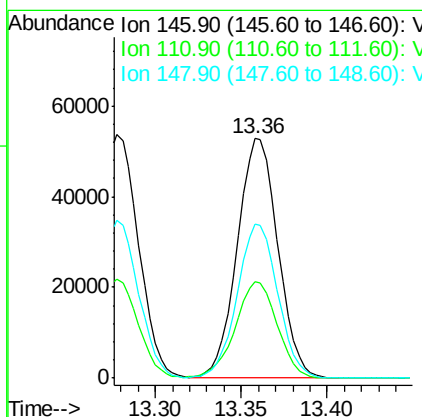
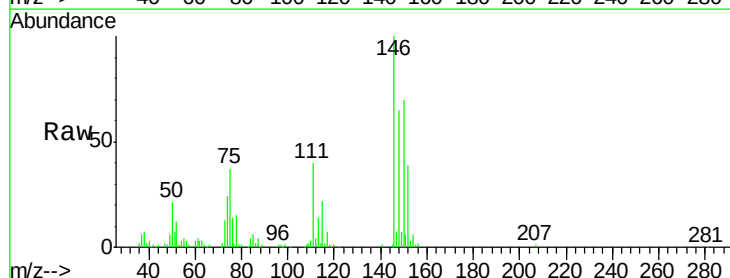
RT: 13.36 min Scan# 3603

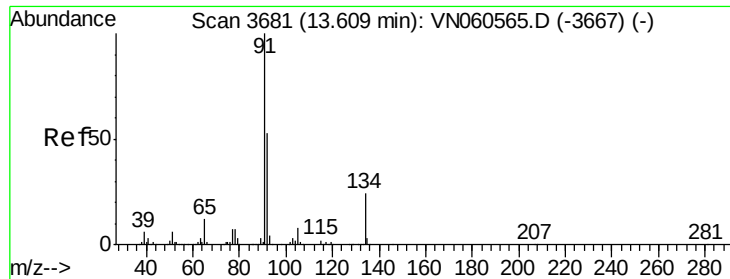
Delta R.T. -0.00 min

Lab File: VN060874.D

Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	64.3	32.1	96.3





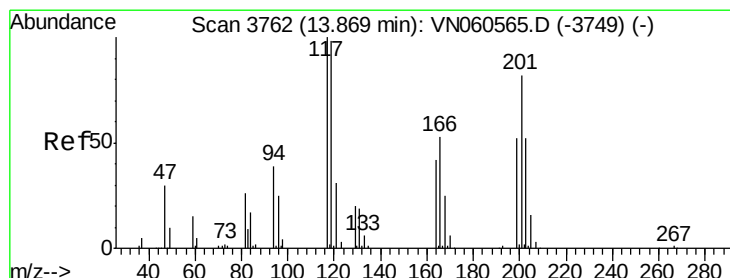
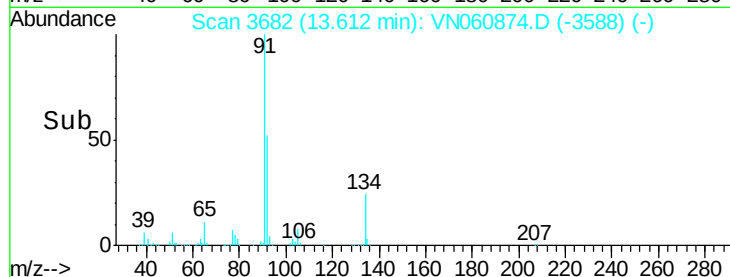
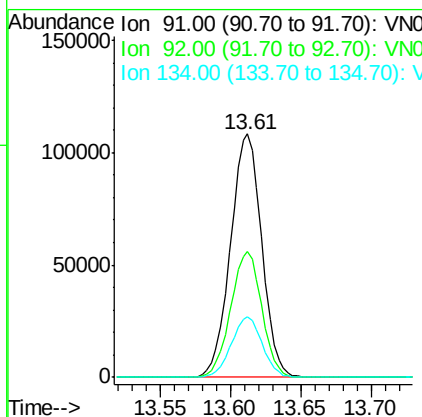
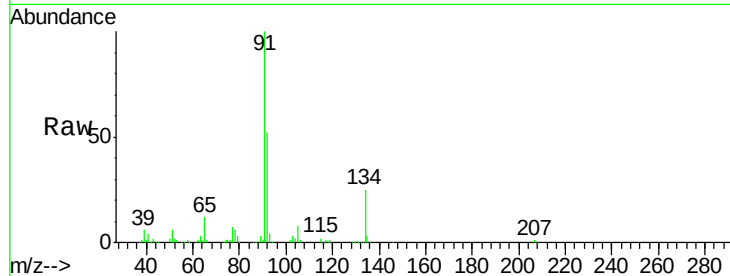
#89
n-Butylbenzene
Concen: 20.379 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	24.7	12.3	36.9

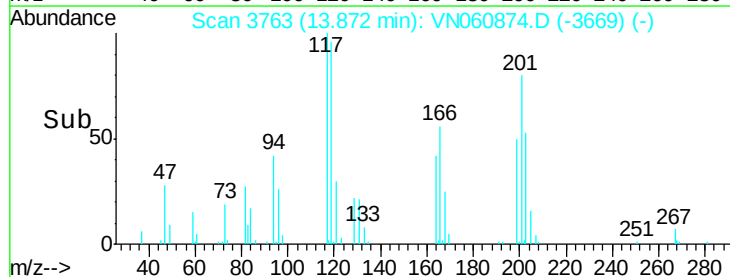
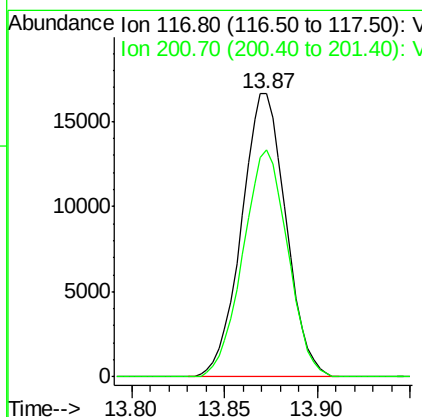
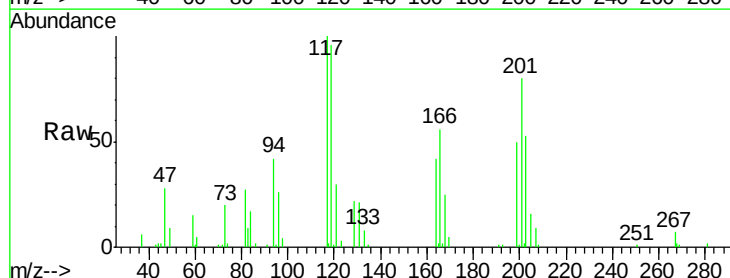
Manual Integrations
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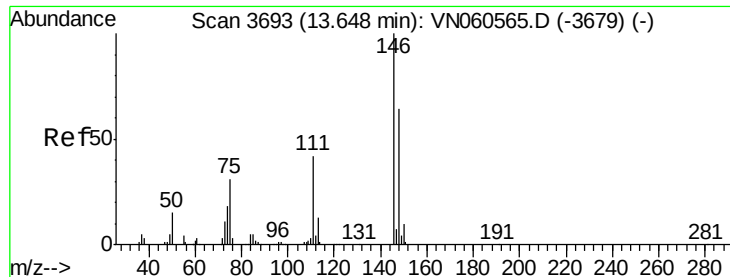
MMDadoda
4/8/2020 9:39:08 AM



#90
Hexachloroethane
Concen: 20.861 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.8	122.5





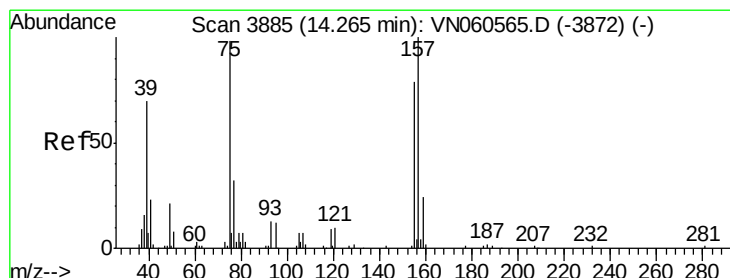
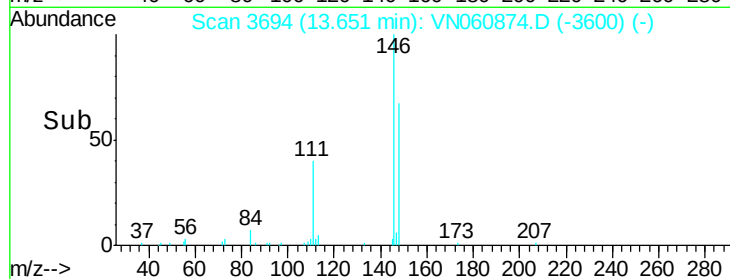
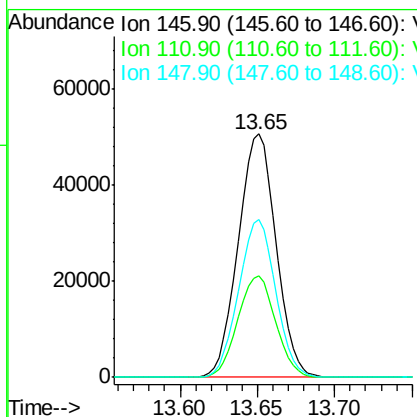
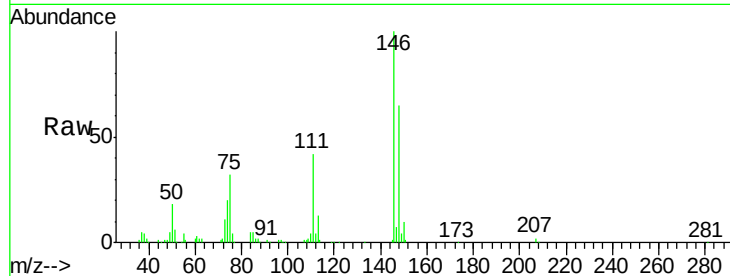
#91
 1,2-Dichlorobenzene
 Concen: 19.781 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.6	31.9	95.5

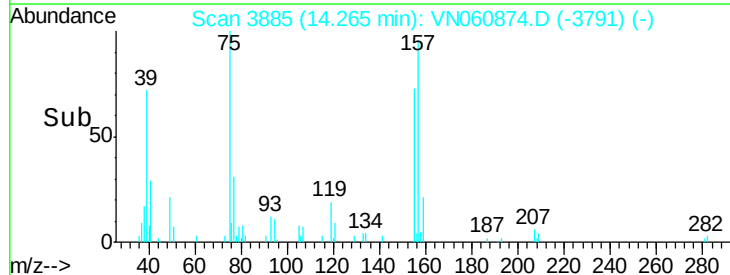
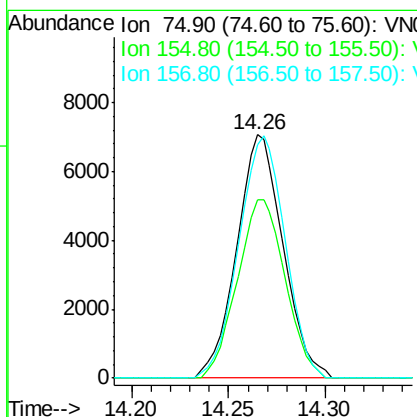
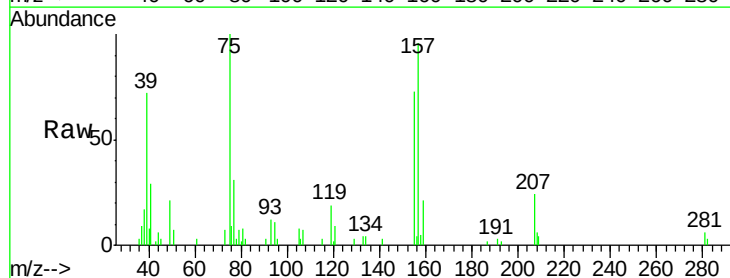
Manual Integrations
 APPROVED

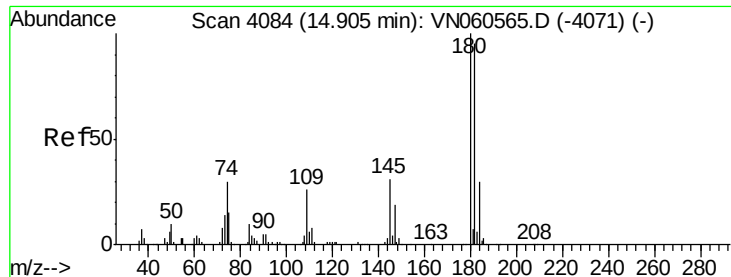
MMDadoda
 4/8/2020 9:39:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.165 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	40.7	122.1
157	99.8	51.5	154.7





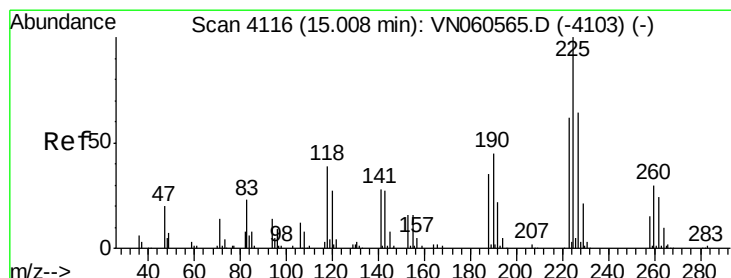
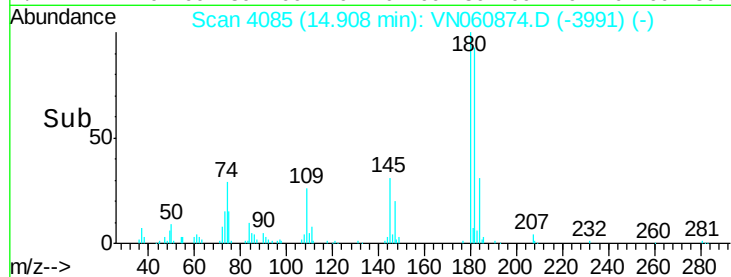
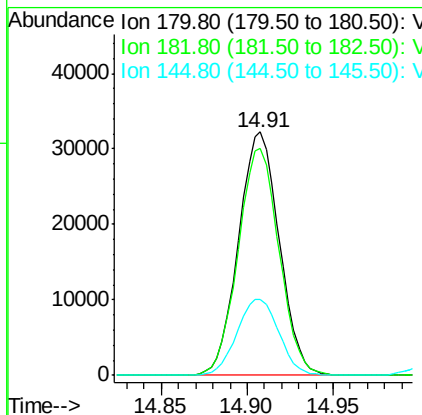
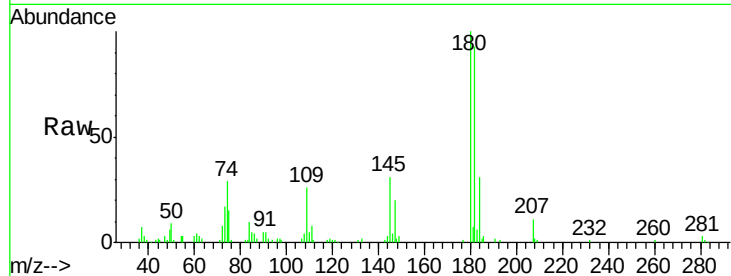
#93
 1,2,4-Trichlorobenzene
 Concen: 19.824 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.8
145	32.0	15.4	46.2

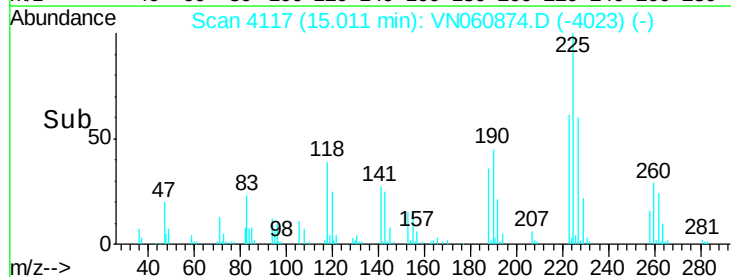
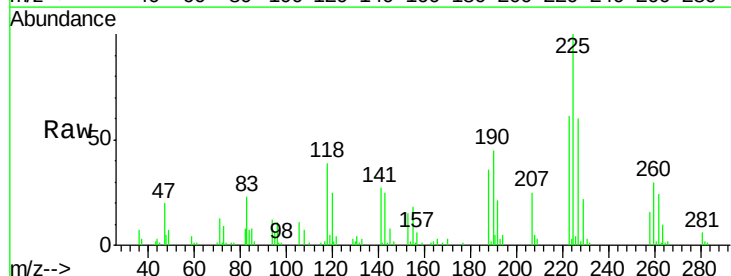
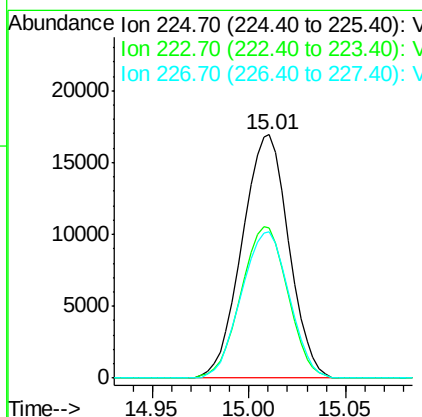
Manual Integrations
 APPROVED

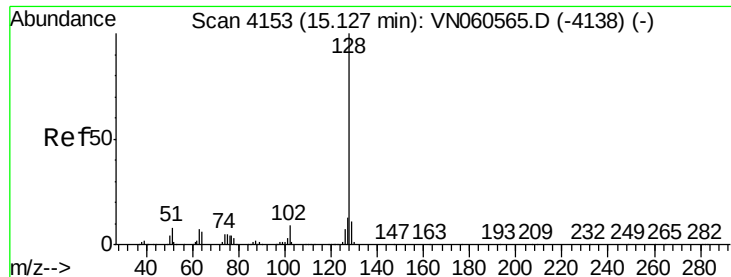
MMDadoda
 4/8/2020 9:39:08 AM



#94
 Hexachlorobutadiene
 Concen: 21.644 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060874.D
 Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	61.5	32.3	96.8





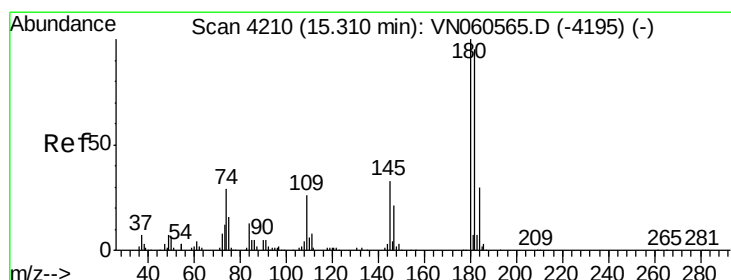
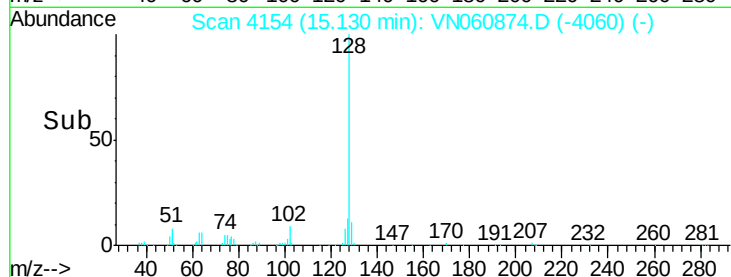
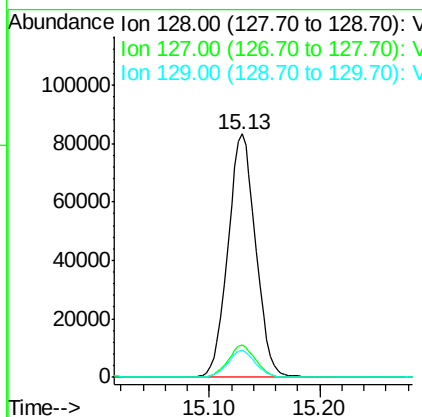
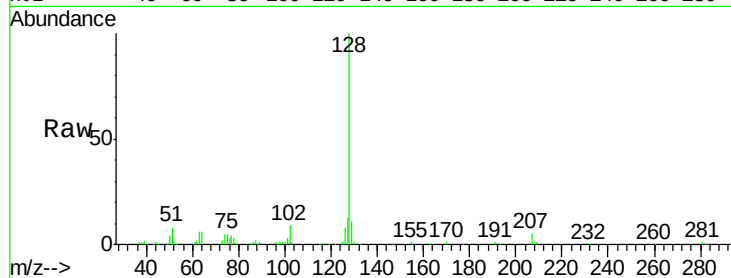
#95
Naphthalene
Concen: 17.970 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.315 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060874.D
Acq: 7 Apr 2020 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	32.9	16.3	48.8

