

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060952.D
 Acq On : 15 Apr 2020 11:32
 Operator : JC/MD
 Sample : VN0415WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:53 AM

Quant Time: Apr 16 07:04:05 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	140773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	233686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	210467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97816	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.56	113	72440	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.08	98	284653	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	106238	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21389	15.703	ug/l	97
3) Chloromethane	2.04	50	39328	15.459	ug/l	99
4) Vinyl Chloride	2.17	62	32548	16.358	ug/l	100
5) Bromomethane	2.55	94	16851	19.618	ug/l	100
6) Chloroethane	2.68	64	20460	17.850	ug/l	95
7) Trichlorofluoromethane	3.00	101	44264	18.059	ug/l	100
8) Diethyl Ether	3.38	74	19292	19.592	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	27452	19.328	ug/l	99
10) Methyl Iodide	3.92	142	20862	16.507	ug/l	99
11) Tert butyl alcohol	4.72	59	29672	104.402	ug/l	99
12) 1,1-Dichloroethene	3.71	96	27122	17.795	ug/l	96
13) Acrolein	3.57	56	23715	75.289	ug/l	98
14) Allyl chloride	4.29	41	51223	19.109	ug/l	96
15) Acrylonitrile	4.94	53	82708	98.964	ug/l	100
16) Acetone	3.77	43	79431	116.038	ug/l	100
17) Carbon Disulfide	4.03	76	72556	15.653	ug/l	99
18) Methyl Acetate	4.28	43	41752	21.669	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	101374	19.346	ug/l	96
20) Methylene Chloride	4.52	84	31373	18.631	ug/l	94
21) trans-1,2-Dichloroethene	5.00	96	29141	17.940	ug/l	98
22) Diisopropyl ether	5.91	45	115018	20.309	ug/l	99
23) Vinyl Acetate	5.85	43	465009	100.634	ug/l	99
24) 1,1-Dichloroethane	5.81	63	60985	19.753	ug/l	99
25) 2-Butanone	6.79	43	115960	104.687	ug/l	98
26) 2,2-Dichloropropane	6.79	77	51687	21.278	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	34800	18.852	ug/l	97
28) Bromochloromethane	7.16	49	29767	20.152	ug/l	96
29) Tetrahydrofuran	7.18	42	76682	97.842	ug/l	98
30) Chloroform	7.34	83	56993	19.256	ug/l	97
31) Cyclohexane	7.63	56	54847	17.621	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	48680	19.079	ug/l	99
36) 1,1-Dichloropropene	7.77	75	42138	18.622	ug/l	99
37) Ethyl Acetate	6.89	43	47571	19.456	ug/l	99
38) Carbon Tetrachloride	7.75	117	37296	18.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	50567	18.805	ug/l	98
40) Benzene	8.02	78	131621	19.269	ug/l	100
41) Methacrylonitrile	7.14	41	21417m	20.525	ug/l	
42) 1,2-Dichloroethane	8.10	62	45931	19.675	ug/l	99
43) Isopropyl Acetate	8.14	43	81138	20.122	ug/l	99
44) Trichloroethene	8.81	130	32246	18.726	ug/l	98
45) 1,2-Dichloropropane	9.10	63	36417	20.204	ug/l	99
46) Dibromomethane	9.19	93	21674	19.890	ug/l	96
47) Bromodichloromethane	9.38	83	44223	19.530	ug/l	99
48) Methyl methacrylate	9.18	41	35074	19.537	ug/l	98
49) 1,4-Dioxane	9.18	88	10529	493.412	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	234455	102.179	ug/l	99
52) Toluene	10.14	92	78645	19.064	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	52151	20.050	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	56413	19.770	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	31275	19.706	ug/l	98
56) Ethyl methacrylate	10.42	69	48460	19.583	ug/l	98
57) 1,3-Dichloropropane	10.69	76	54960	19.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	113830	92.550	ug/l	99
59) 2-Hexanone	10.74	43	166809	100.920	ug/l	99
60) Dibromochloromethane	10.89	129	31733	19.357	ug/l	99
61) 1,2-Dibromoethane	10.99	107	30517	19.122	ug/l	99
64) Tetrachloroethene	10.62	164	29521	17.825	ug/l	99
65) Chlorobenzene	11.42	112	81115	19.441	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	30069	19.905	ug/l	98
67) Ethyl Benzene	11.50	91	150820	19.438	ug/l	99
68) m/p-Xylenes	11.61	106	110093	38.183	ug/l	97
69) o-Xylene	11.94	106	53671	19.499	ug/l	100
70) Styrene	11.96	104	86751	19.271	ug/l	99
71) Bromoform	12.12	173	22384	18.909	ug/l #	99
73) Isopropylbenzene	12.24	105	144946	19.501	ug/l	99
74) N-amyl acetate	12.06	43	66684	19.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	44965	20.005	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	39860m	18.651	ug/l	
77) Bromobenzene	12.52	156	33501	18.705	ug/l	95
78) n-propylbenzene	12.59	91	170984	19.471	ug/l	99
79) 2-Chlorotoluene	12.67	91	100768	19.205	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	120220	19.059	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	15756	18.935	ug/l	97
82) 4-Chlorotoluene	12.77	91	104044	19.470	ug/l	99
83) tert-Butylbenzene	12.99	119	102508	19.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	121462	19.464	ug/l	100
85) sec-Butylbenzene	13.17	105	139143	19.789	ug/l	100
86) p-Isopropyltoluene	13.28	119	124932	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	60704	19.217	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	60627	19.103	ug/l	98
89) n-Butylbenzene	13.61	91	115328	20.203	ug/l	99
90) Hexachloroethane	13.87	117	19065	20.744	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	59015	19.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8785	18.491	ug/l	95

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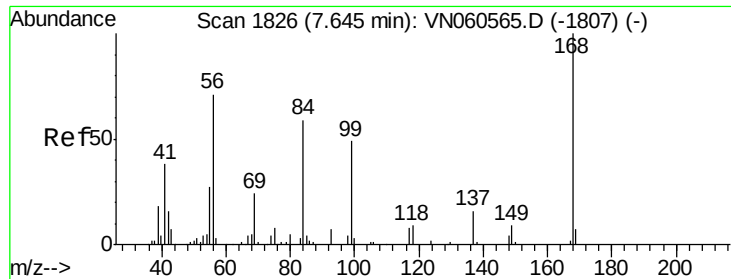
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	35264	19.012	ug/l	98
94) Hexachlorobutadiene	15.01	225	18387	20.221	ug/l	97
95) Naphthalene	15.13	128	99081	17.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	34301	18.774	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:168 Resp: 140773

Ion Ratio Lower Upper

168 100

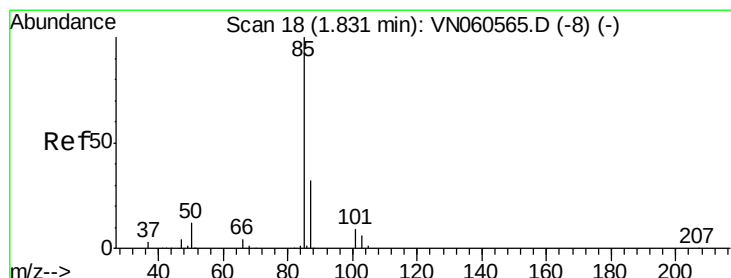
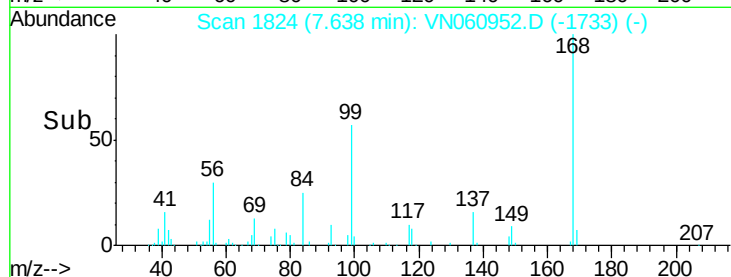
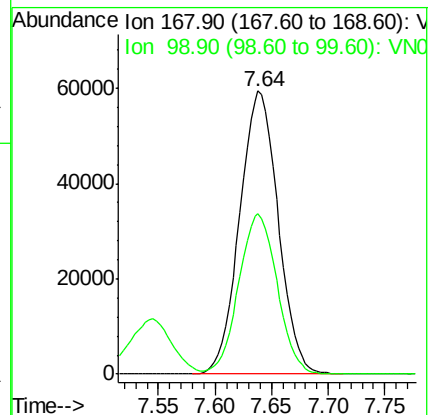
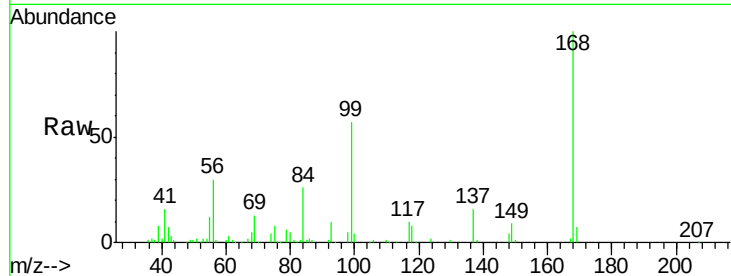
99 56.8 44.0 66.0

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#2

Dichlorodifluoromethane

Concen: 15.703 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060952.D

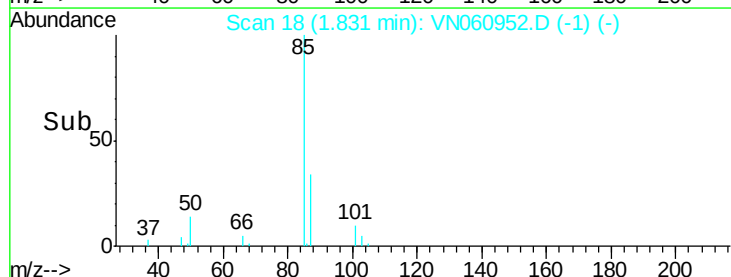
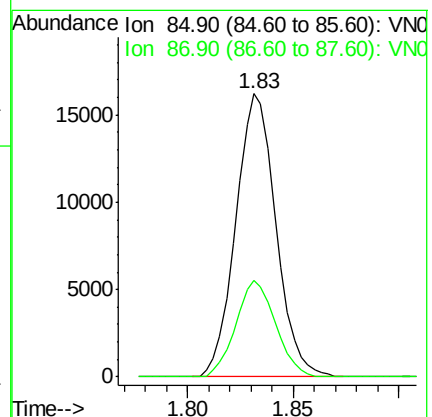
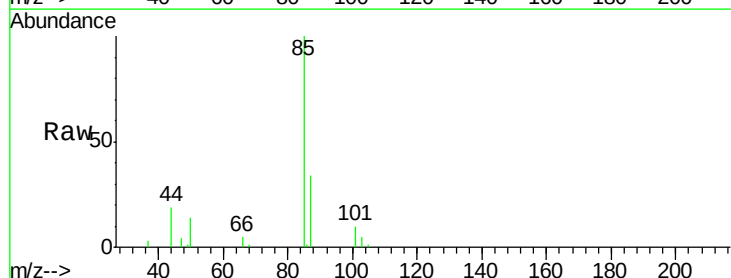
Acq: 15 Apr 2020 11:32

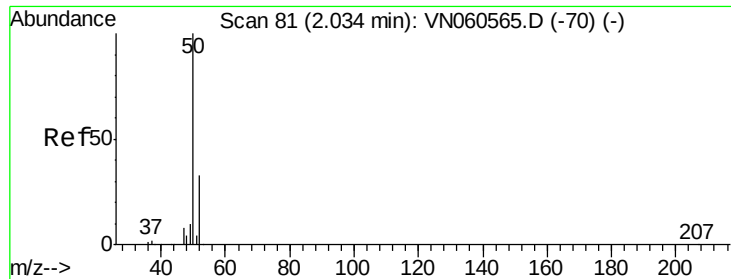
Tgt Ion: 85 Resp: 21389

Ion Ratio Lower Upper

85 100

87 34.2 16.2 48.5





#3

Chloromethane

Concen: 15.459 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 50 Resp: 39328

Ion Ratio Lower Upper

50 100

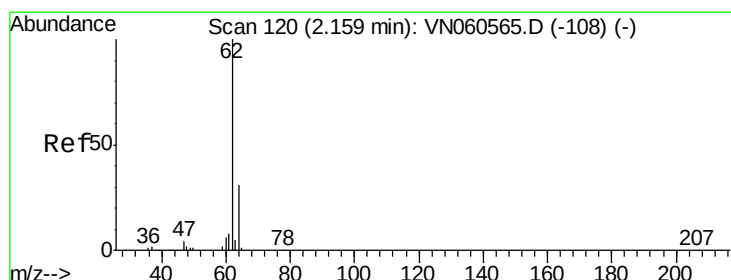
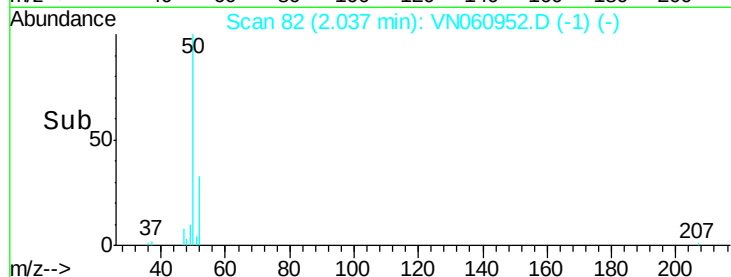
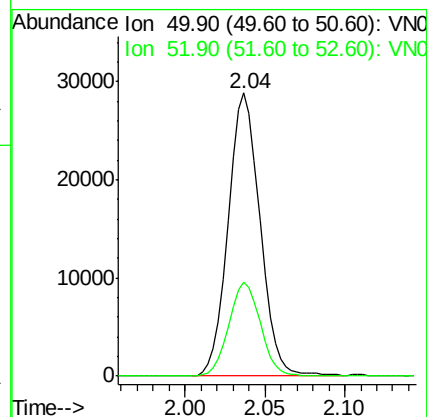
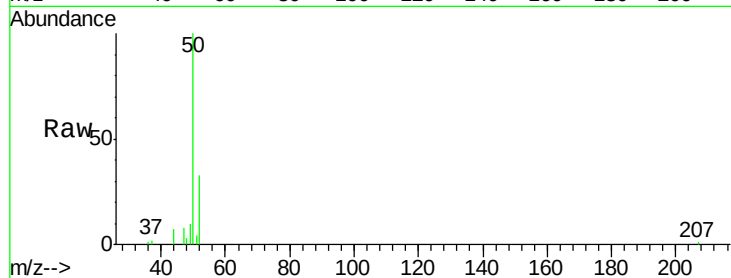
52 33.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.358 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060952.D

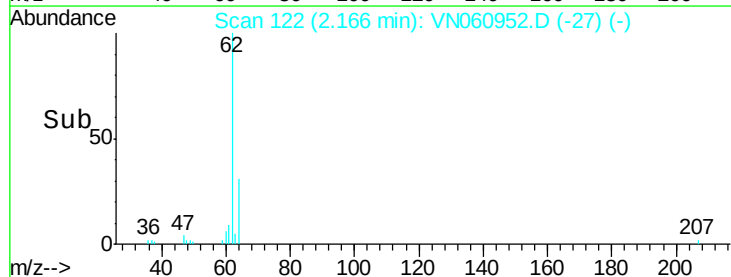
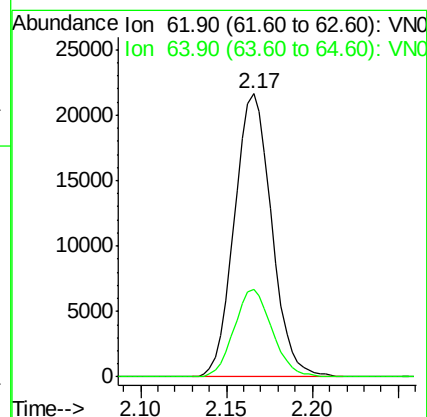
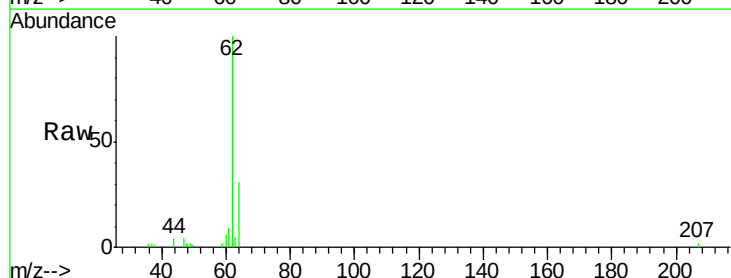
Acq: 15 Apr 2020 11:32

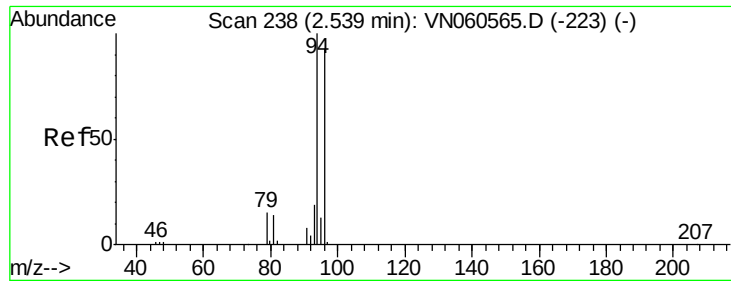
Tgt Ion: 62 Resp: 32548

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 19.618 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 94 Resp: 16851

Ion Ratio Lower Upper

94 100

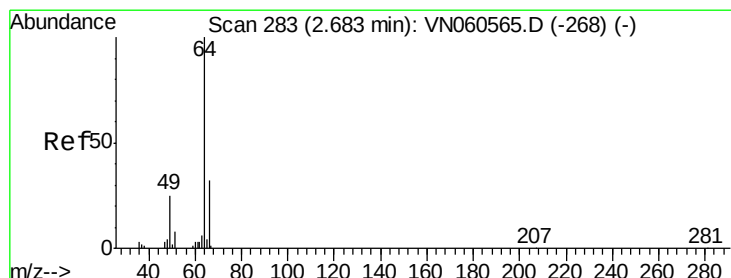
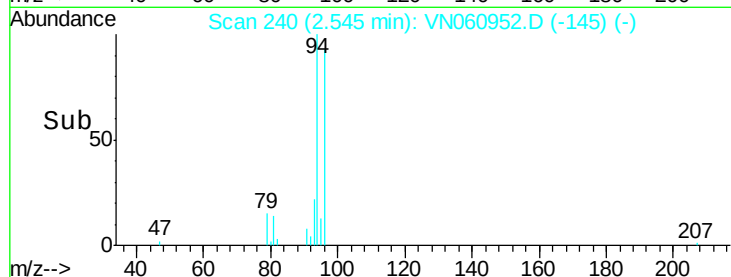
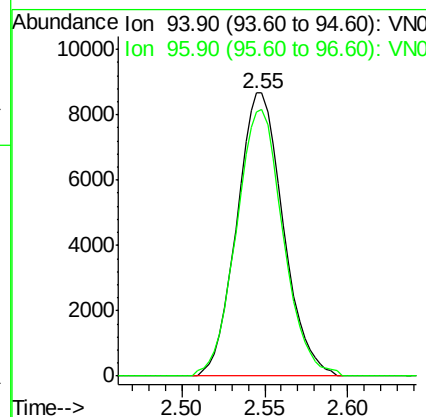
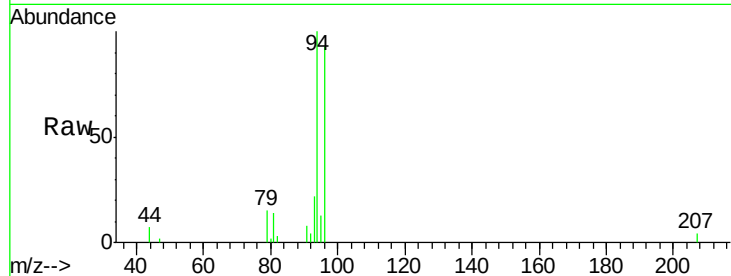
96 93.3 74.6 112.0

Manual Integrations

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4/16/2020 11:15:53 AM



#6

Chloroethane

Concen: 17.850 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060952.D

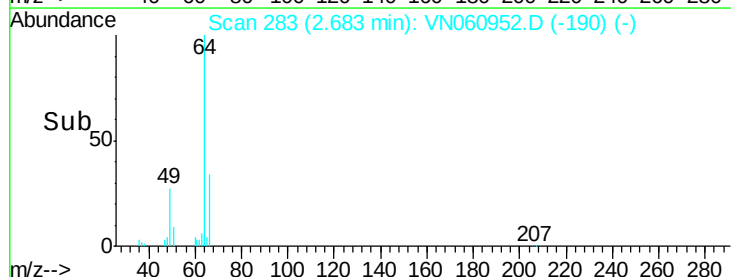
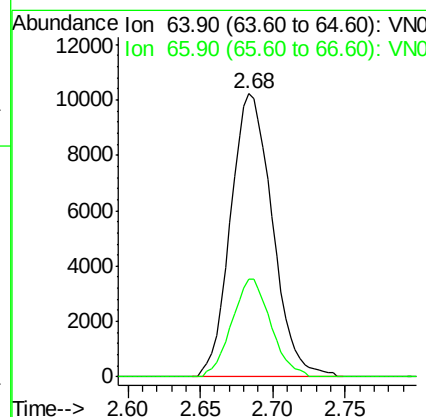
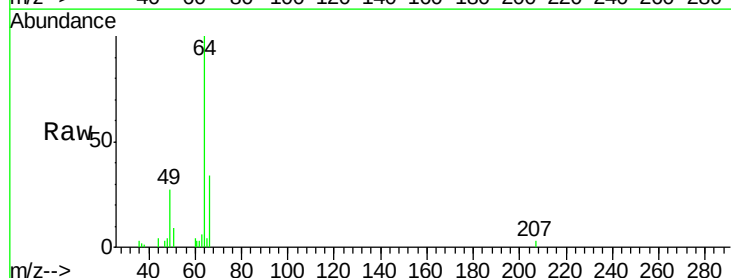
Acq: 15 Apr 2020 11:32

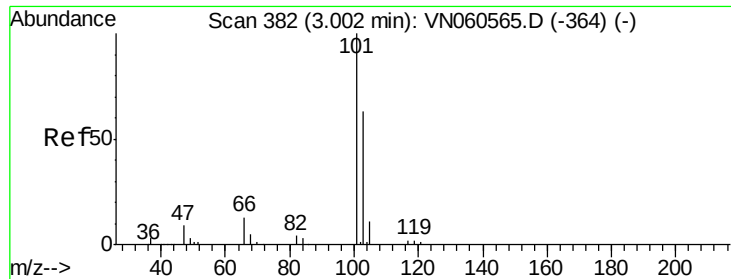
Tgt Ion: 64 Resp: 20460

Ion Ratio Lower Upper

64 100

66 34.5 25.3 37.9





#7

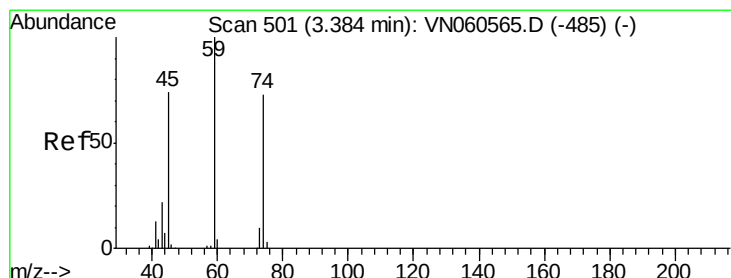
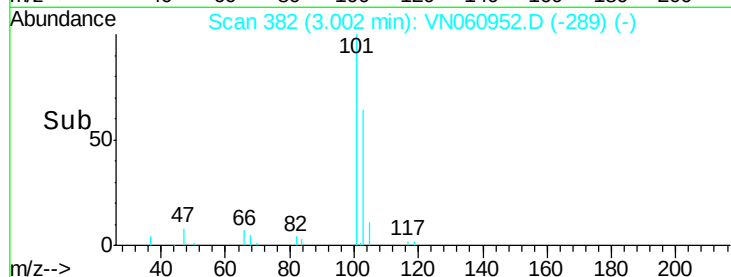
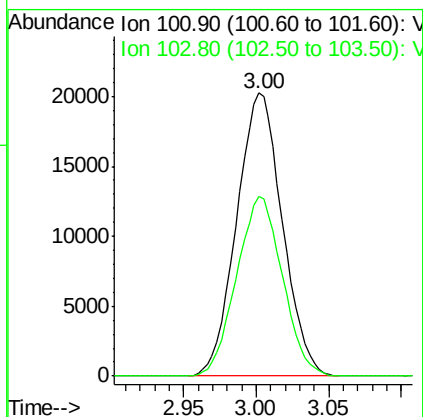
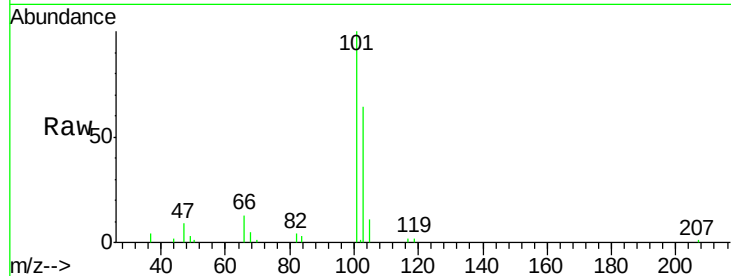
Trichlorofluoromethane
 Concen: 18.059 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

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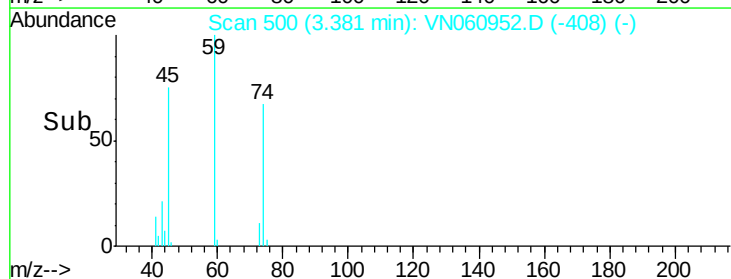
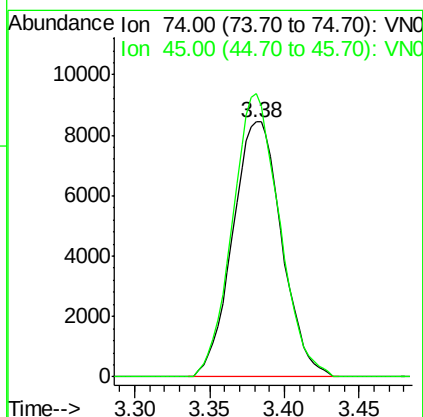
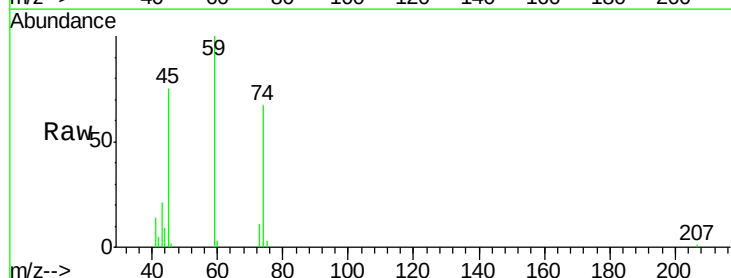
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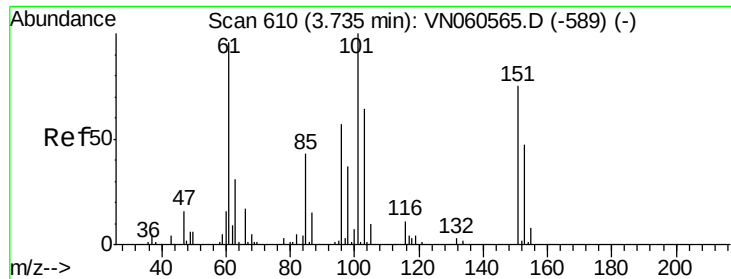


#8

Diethyl Ether
 Concen: 19.592 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.328 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

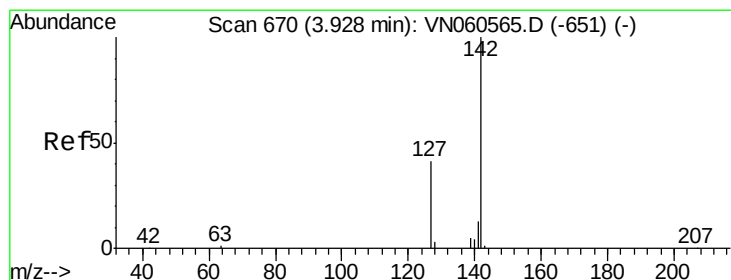
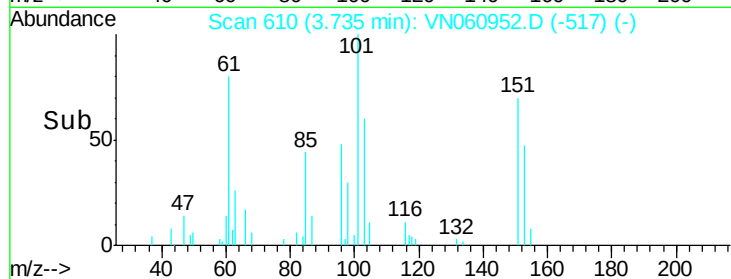
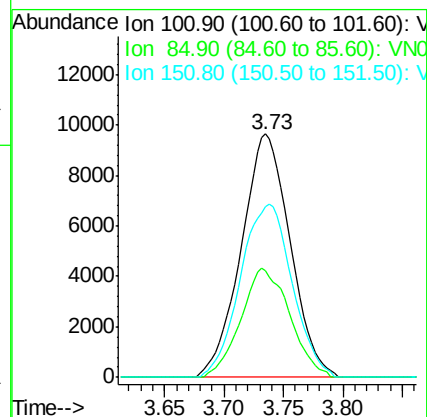
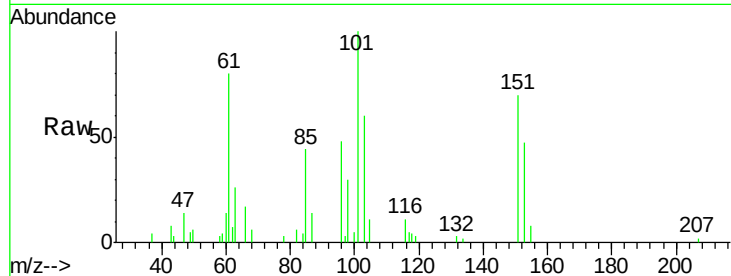
ClientSampleId :

VN0415WBS01

Tot Ion:	101	Resp:	27452
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	75.3	61.4	92.2

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4/16/2020 11:15:53 AM



#10

Methyl Iodide

Concen: 16.507 ug/l

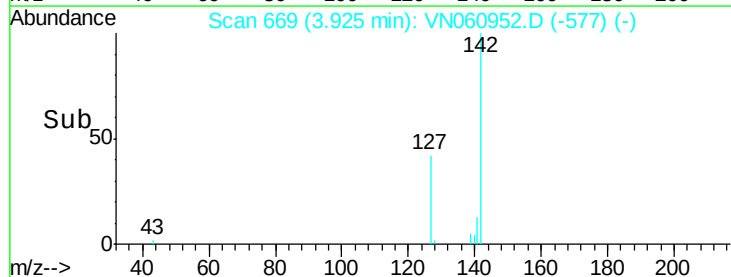
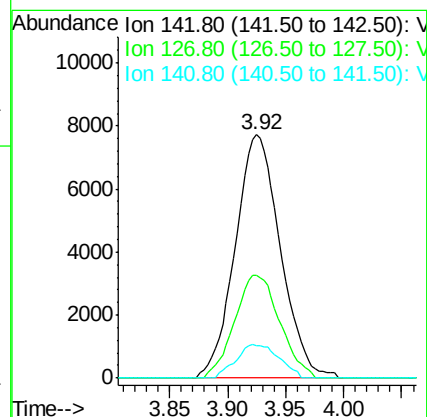
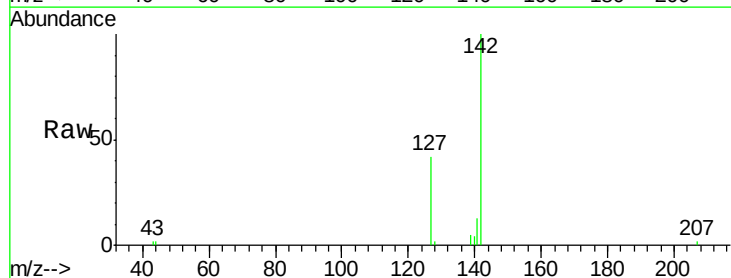
RT: 3.92 min Scan# 669

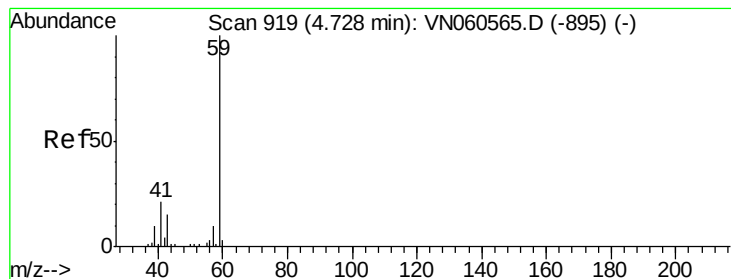
Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	142	Resp:	20862
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.5	50.3
141	13.2	11.0	16.6





#11

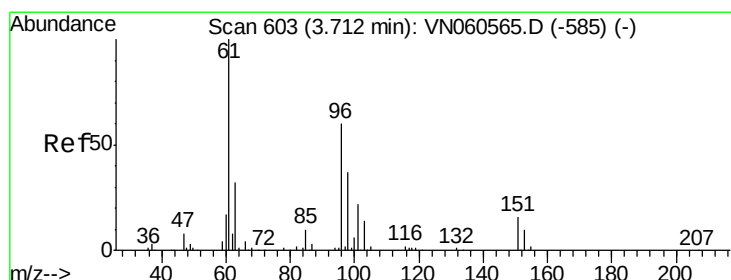
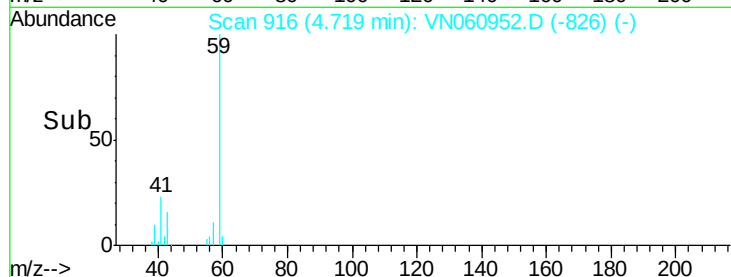
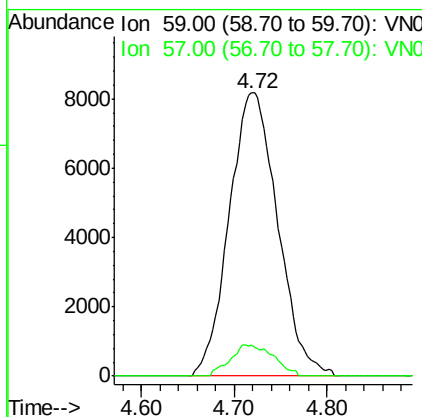
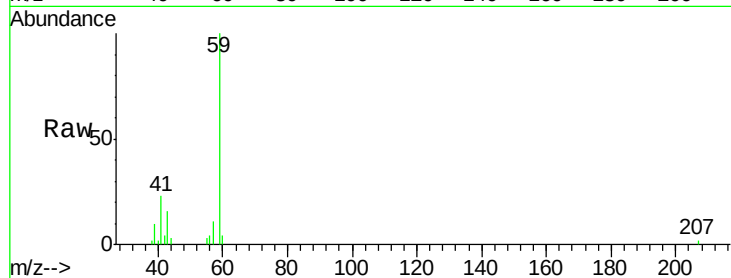
Tert butyl alcohol
 Concen: 104.402 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
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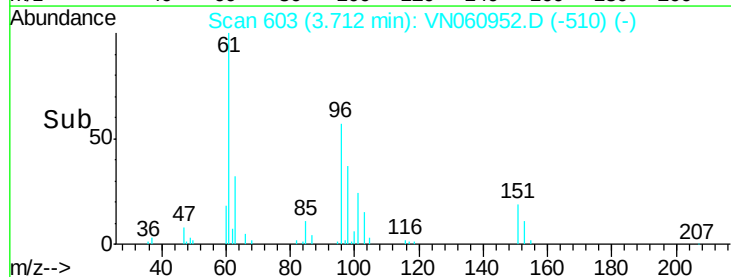
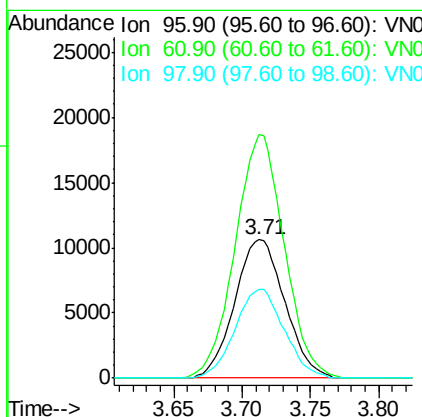
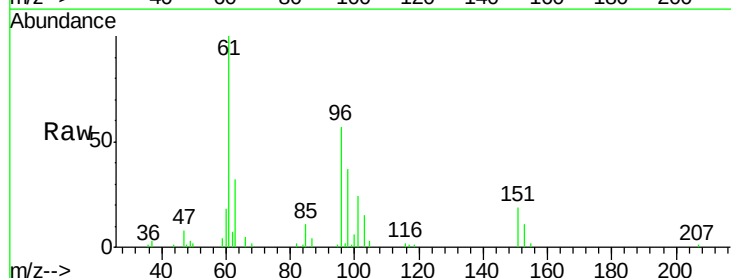
MMDadoda
 4/16/2020 11:15:53 AM

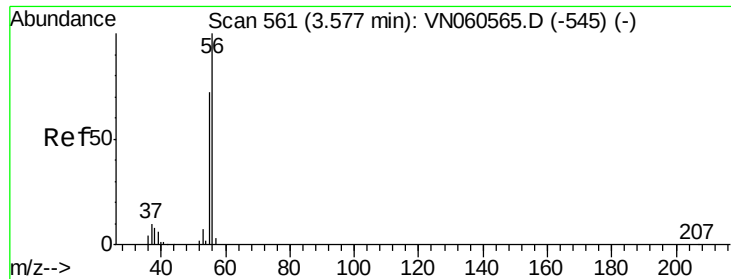


#12

1,1-Dichloroethene
 Concen: 17.795 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	134.1	201.1
98	64.2	49.9	74.9





#13

Acrolein

Concen: 75.289 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 56 Resp: 23715

Ion Ratio Lower Upper

56 100

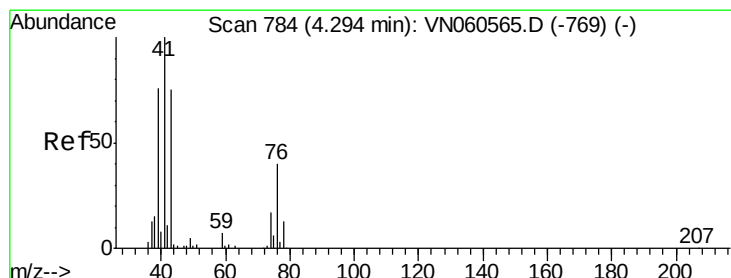
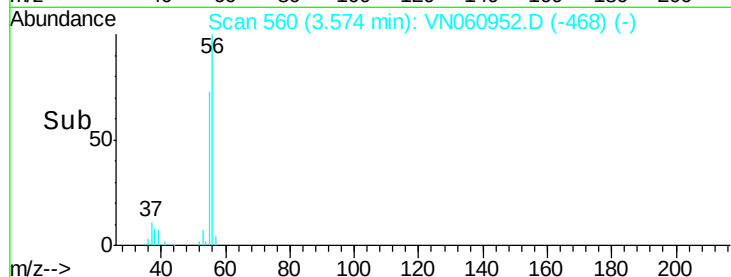
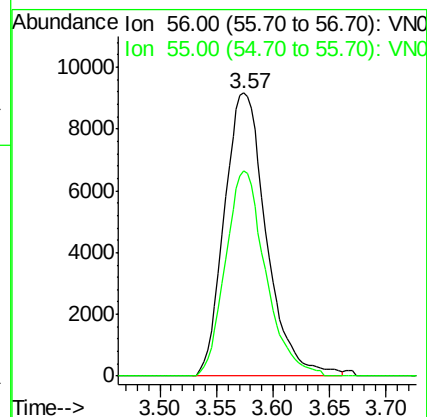
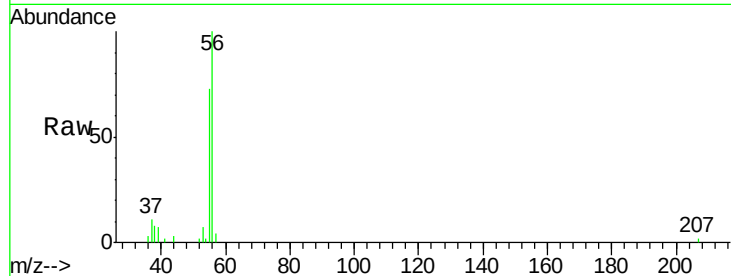
55 69.2 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.109 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

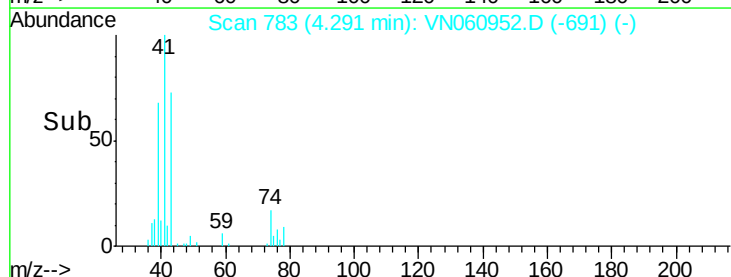
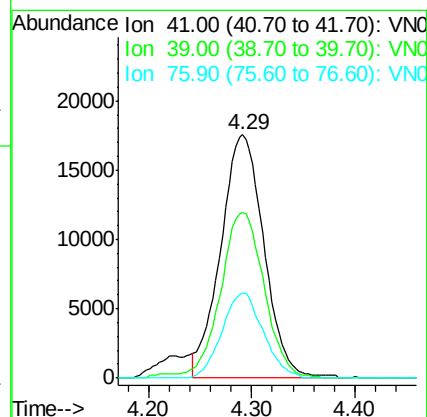
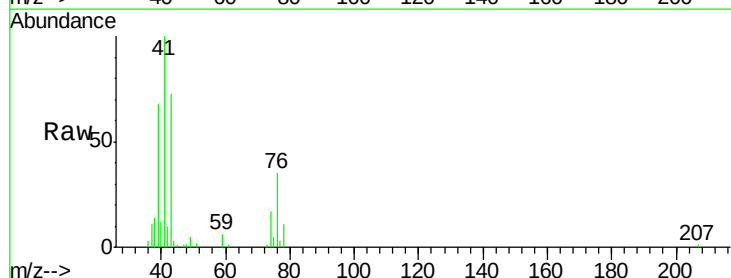
Tgt Ion: 41 Resp: 51223

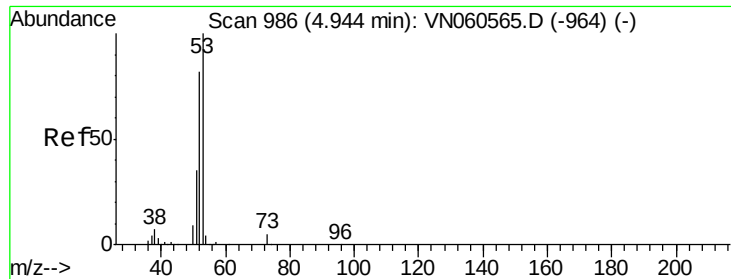
Ion Ratio Lower Upper

41 100

39 69.5 57.8 86.8

76 33.4 28.6 43.0





#15

Acrylonitrile

Concen: 98.964 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

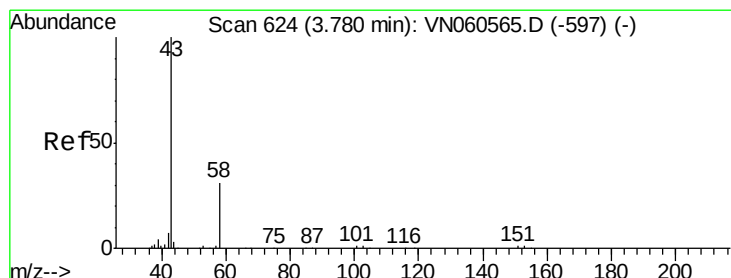
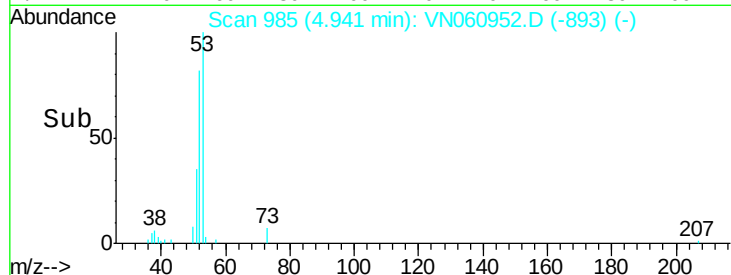
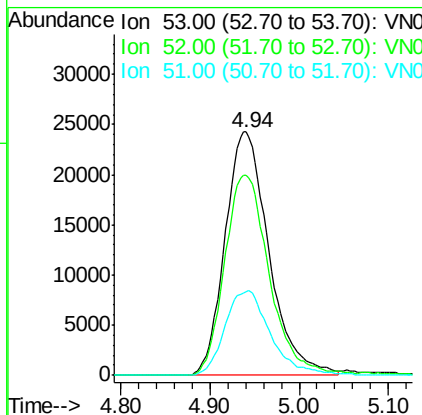
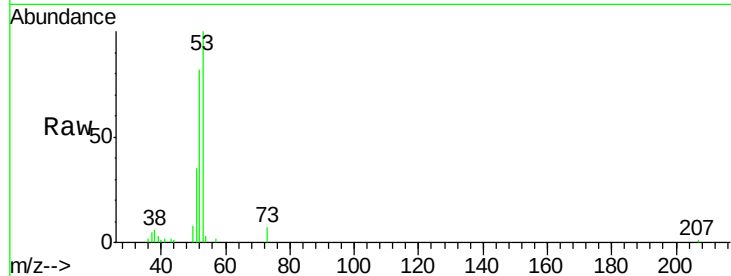
ClientSampleId :

VN0415WBS01

Tot Ion:	53	Resp:	82708
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 116.038 ug/l

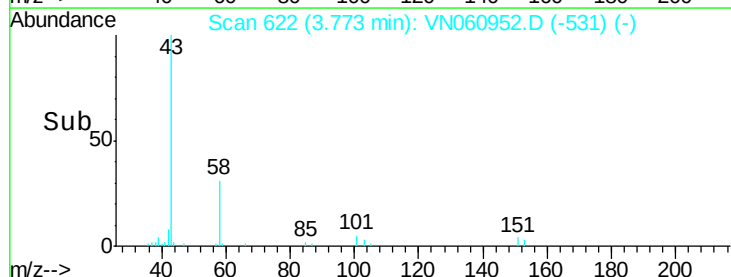
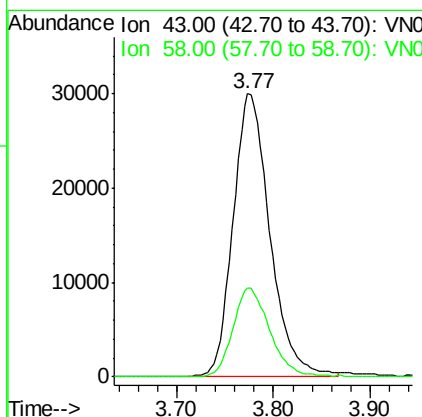
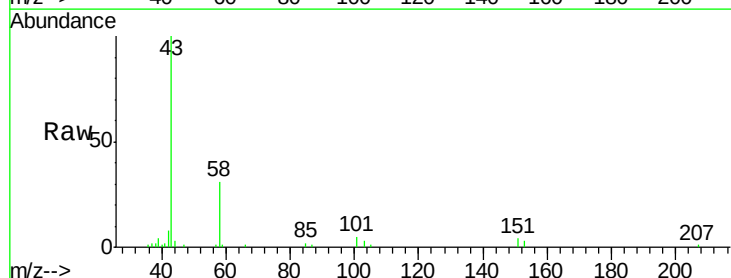
RT: 3.77 min Scan# 622

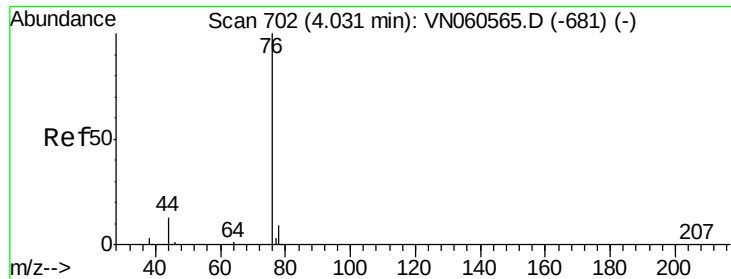
Delta R.T. -0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	43	Resp:	79431
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.1	37.7





#17

Carbon Disulfide

Concen: 15.653 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 76 Resp: 72556

Ion Ratio Lower Upper

76 100

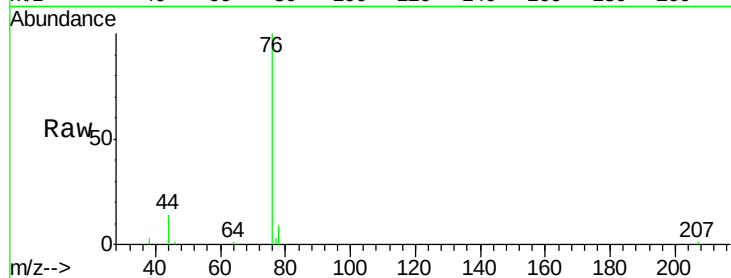
78 9.2 7.2 10.8

Manual Integrations

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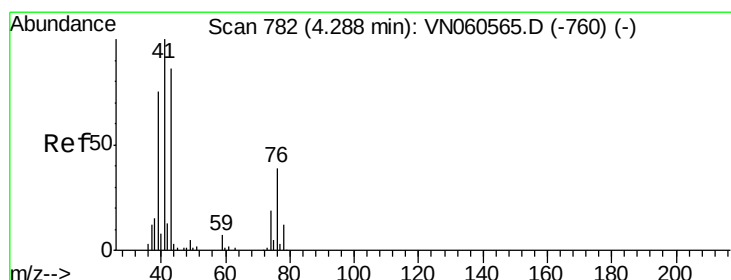
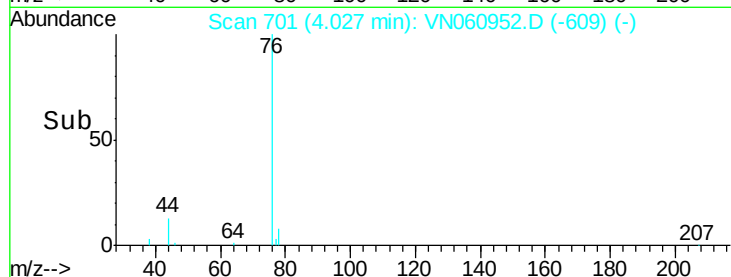
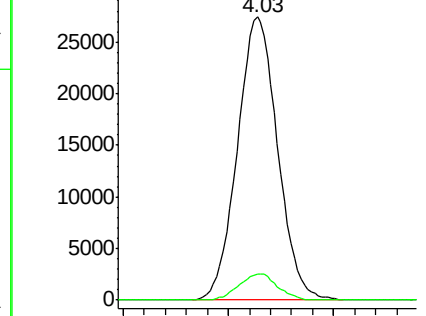
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.669 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060952.D

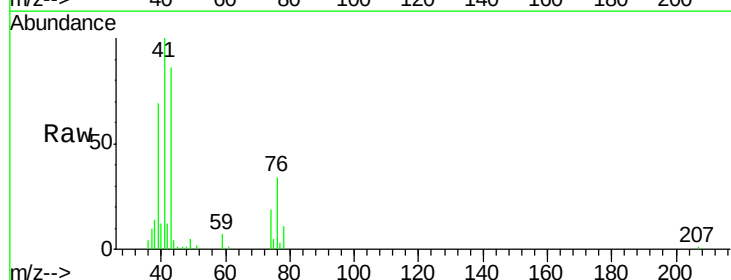
Acq: 15 Apr 2020 11:32

Tgt Ion: 43 Resp: 41752

Ion Ratio Lower Upper

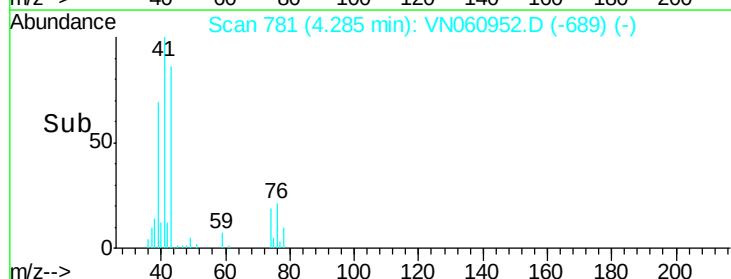
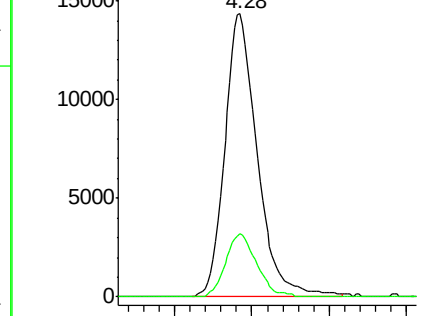
43 100

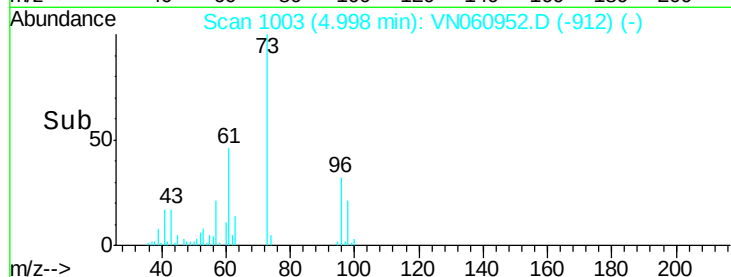
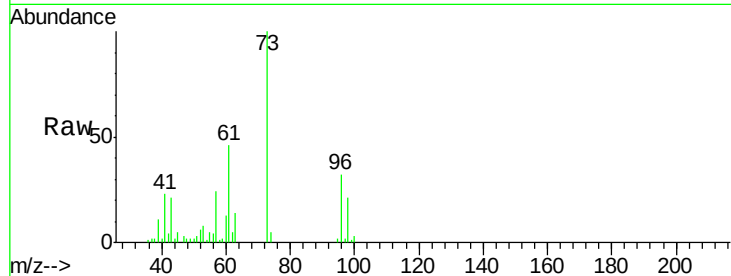
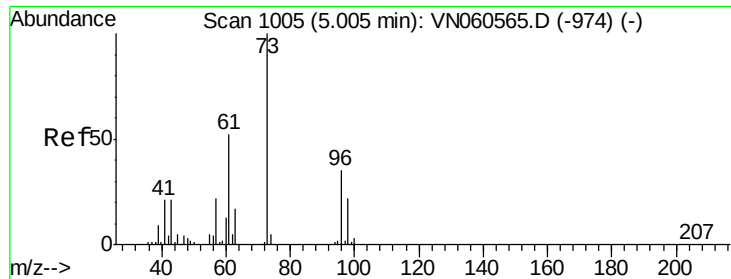
74 21.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





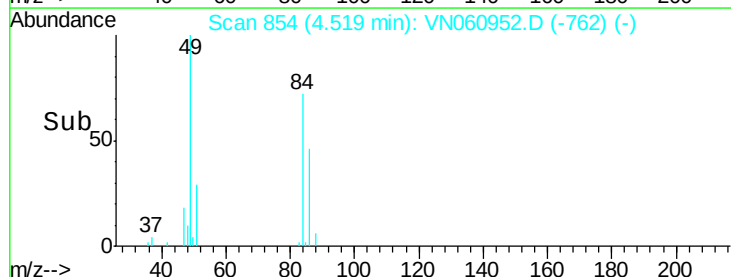
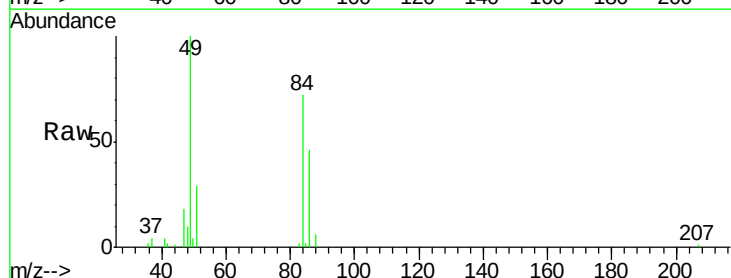
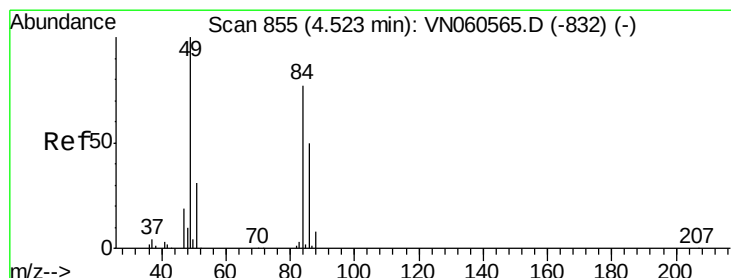
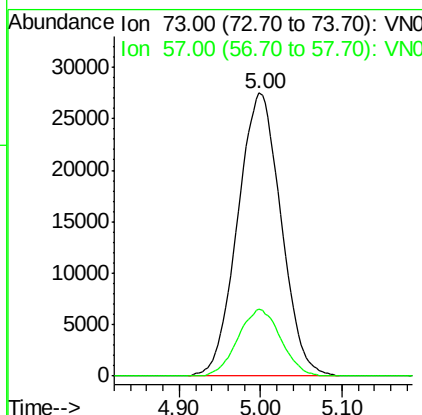
#19
Methyl tert-butyl Ether
Concen: 19.346 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tot Ion: 73 Resp: 101374
Ion Ratio Lower Upper
73 100
57 23.8 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

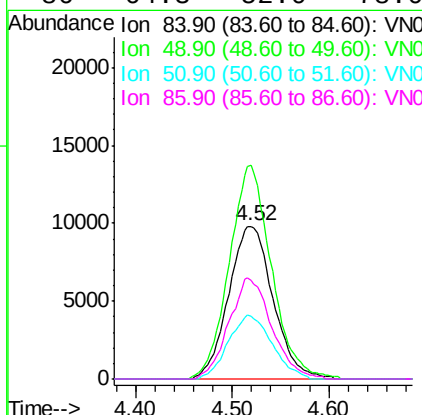
Manual Integrations
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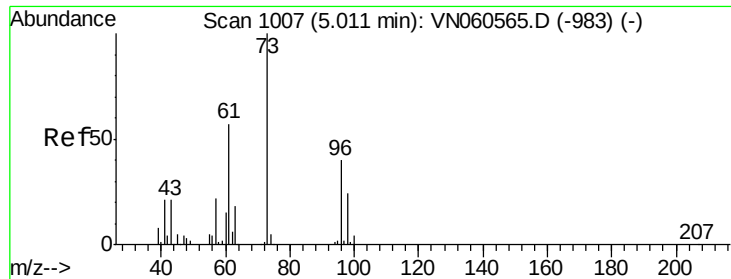
MMDadoda
4/16/2020 11:15:53 AM



#20
Methylene Chloride
Concen: 18.631 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion: 84 Resp: 31373
Ion Ratio Lower Upper
84 100
49 139.6 103.3 154.9
51 40.6 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.940 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

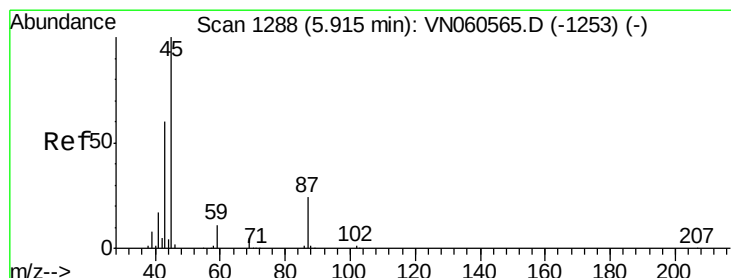
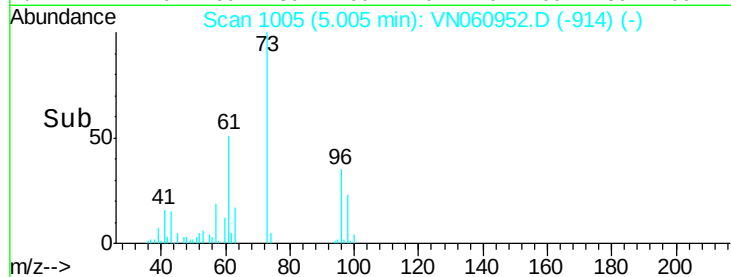
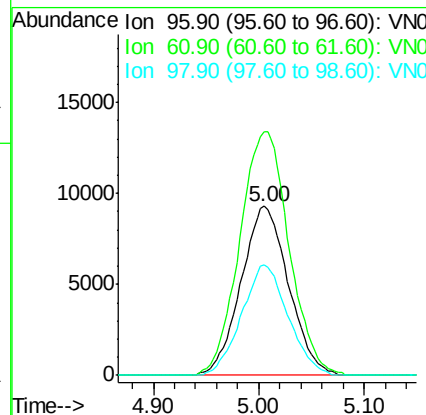
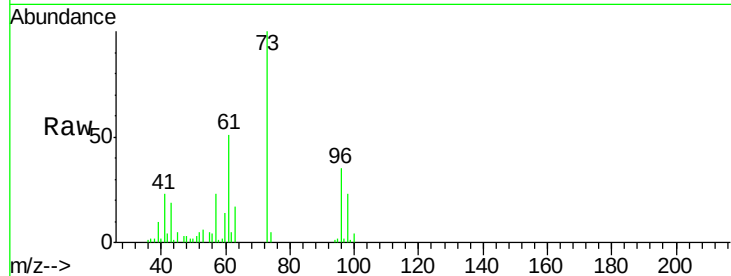
ClientSampleId :

VN0415WBS01

Tot Ion:	96	Resp:	29141
Ion	Ratio	Lower	Upper
96	100		
61	143.9	114.4	171.6
98	65.5	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.309 ug/l

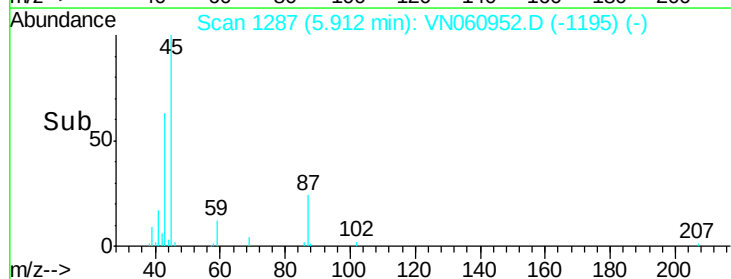
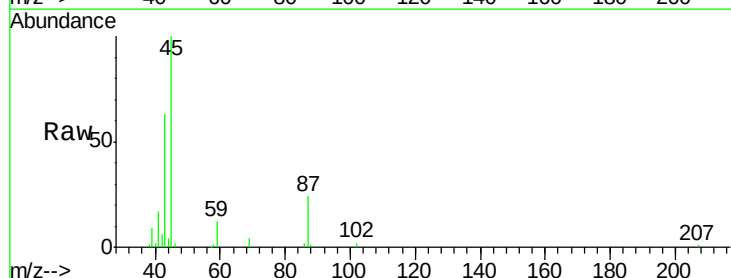
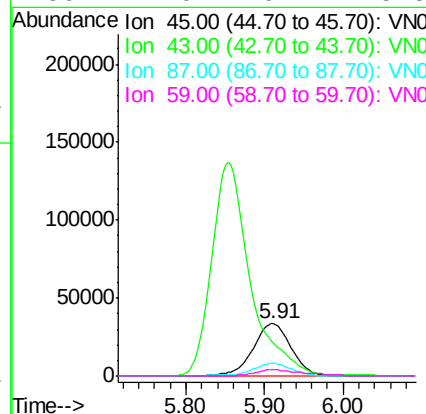
RT: 5.91 min Scan# 1287

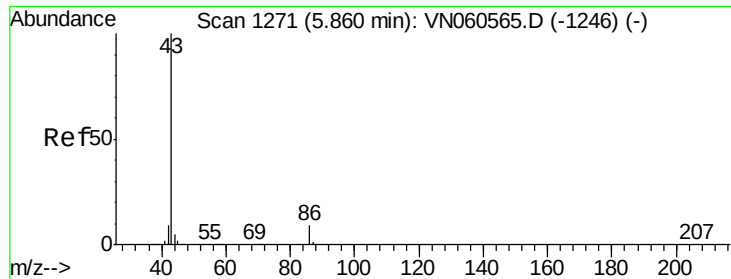
Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	45	Resp:	115018
Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.8	74.8
87	24.1	20.1	30.1
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 100.634 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 43 Resp: 465009

Ion Ratio Lower Upper

43 100

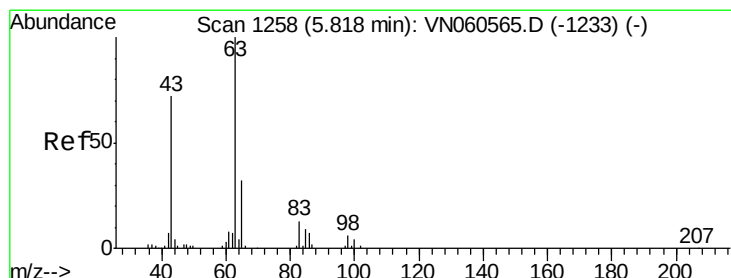
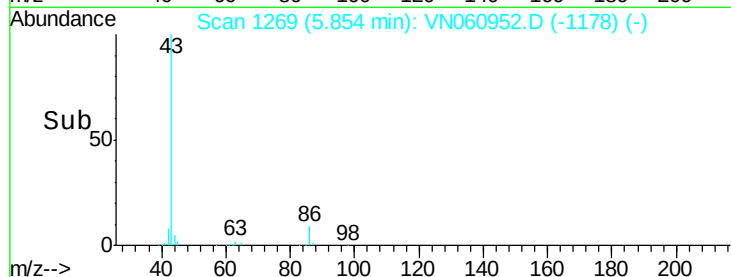
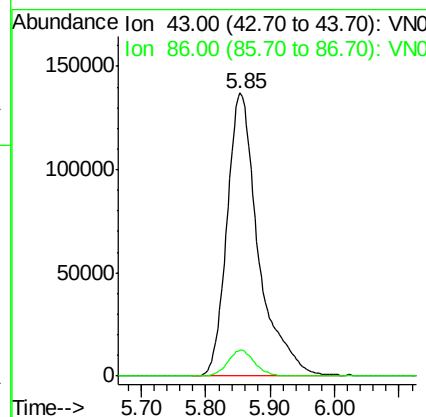
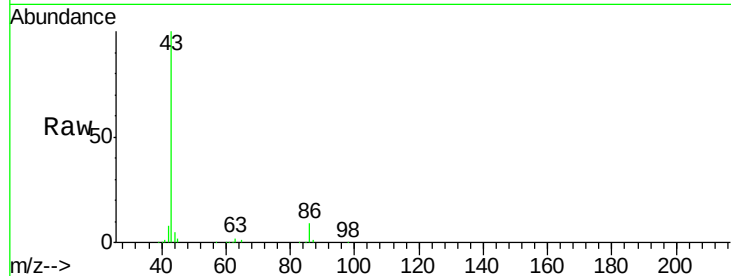
86 9.1 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.753 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

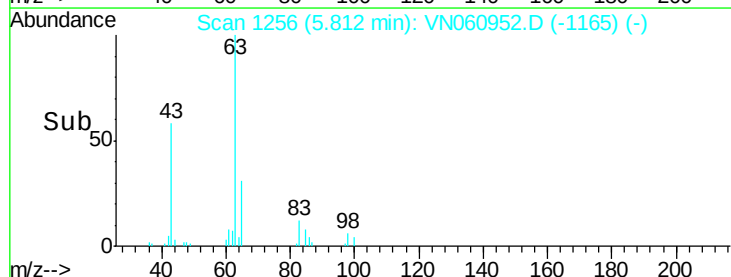
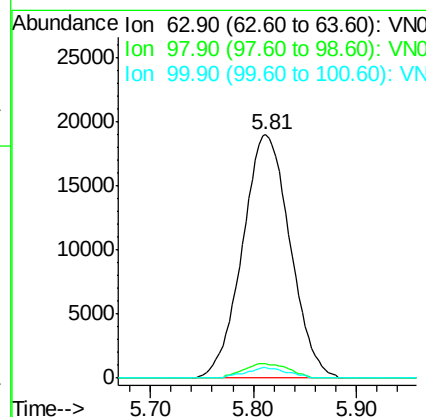
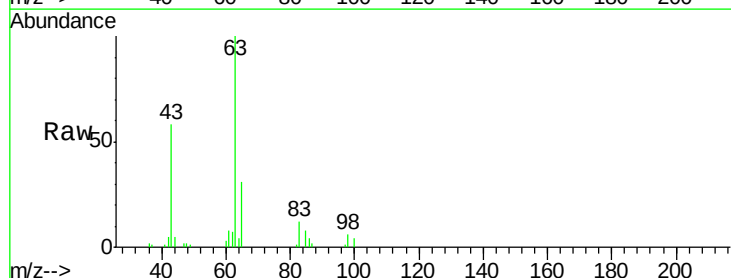
Tgt Ion: 63 Resp: 60985

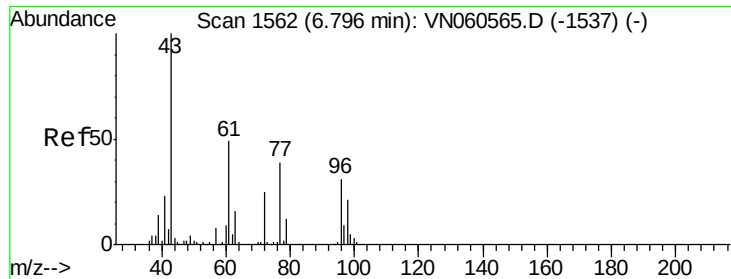
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 104.687 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 43 Resp: 115960

Ion Ratio Lower Upper

43 100

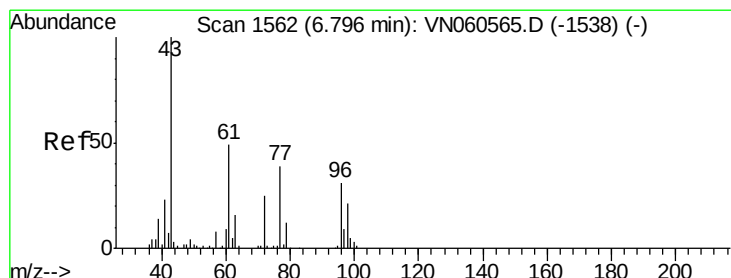
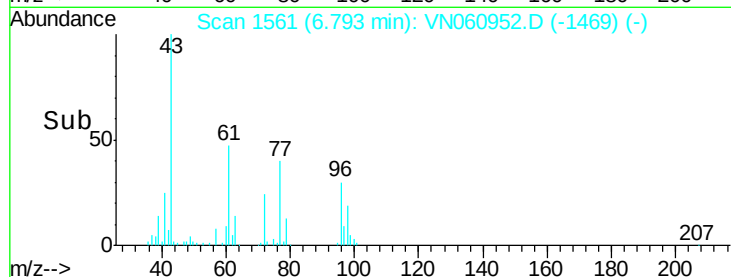
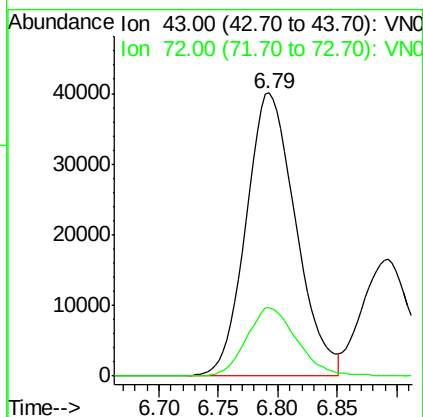
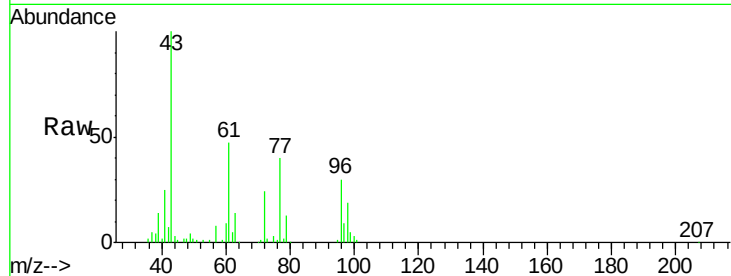
72 24.4 20.4 30.6

Manual Integrations

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MMDadoda

4/16/2020 11:15:53 AM



#26

2,2-Dichloropropane

Concen: 21.278 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060952.D

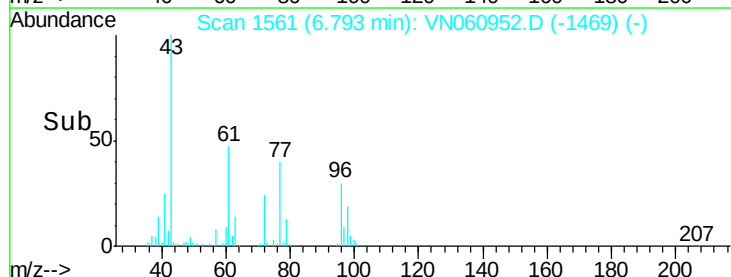
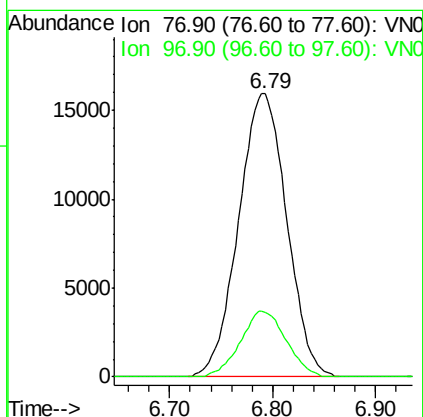
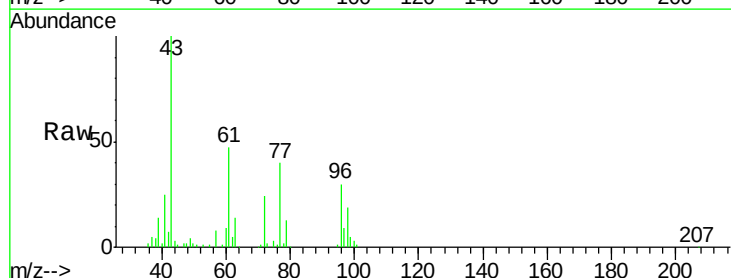
Acq: 15 Apr 2020 11:32

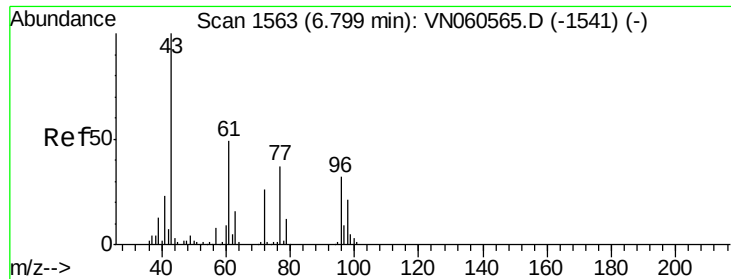
Tgt Ion: 77 Resp: 51687

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.1





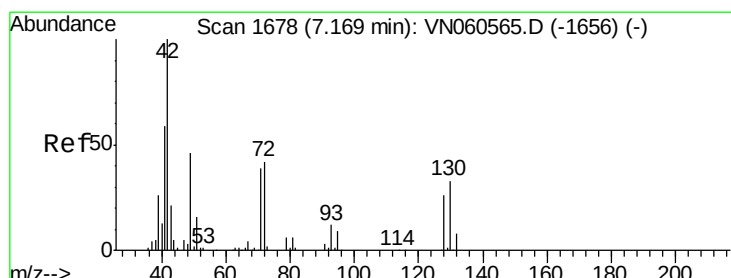
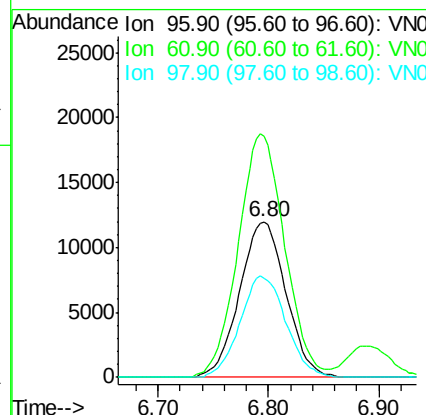
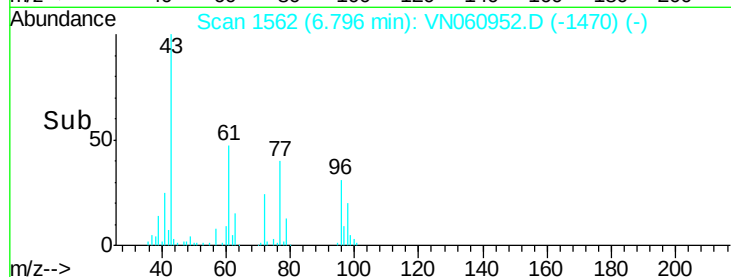
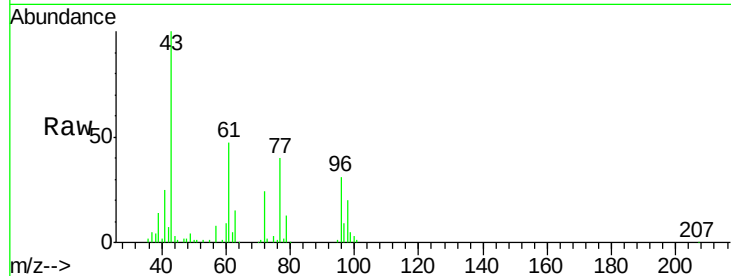
#27
 cis-1,2-Dichloroethene
 Concen: 18.852 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	305.6
98	64.5	0.0	127.6

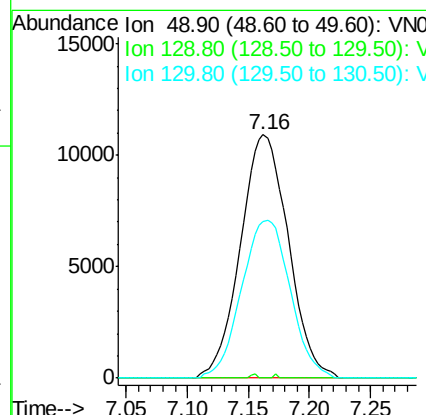
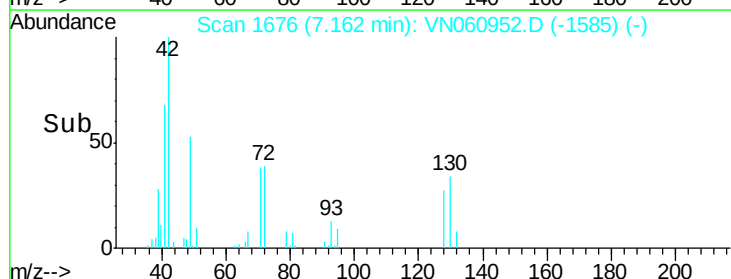
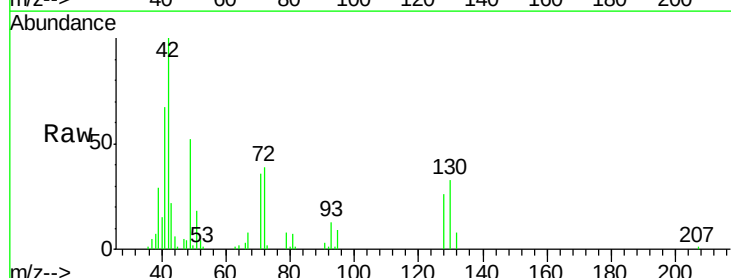
Manual Integrations
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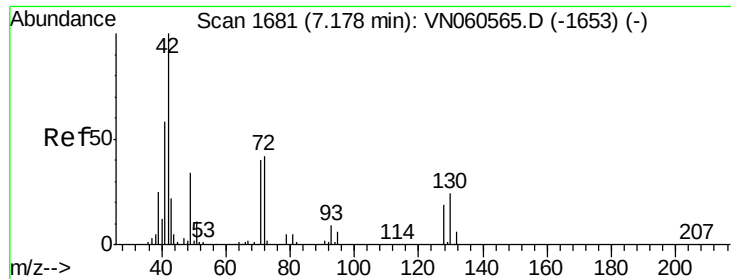
MMDadoda
 4/16/2020 11:15:53 AM



#28
 Bromochloromethane
 Concen: 20.152 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	3.4
130	65.6	55.0	82.4





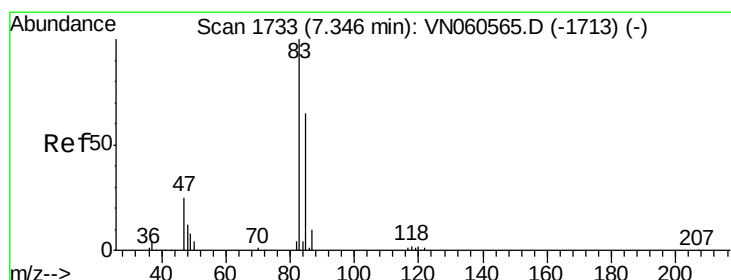
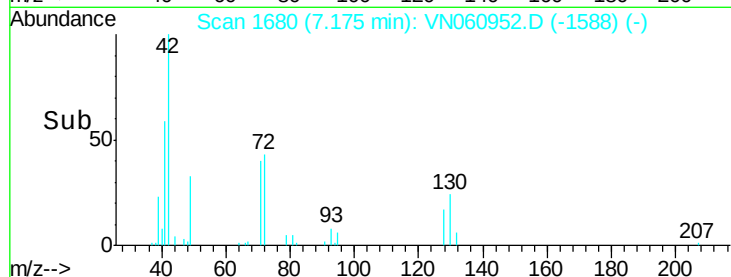
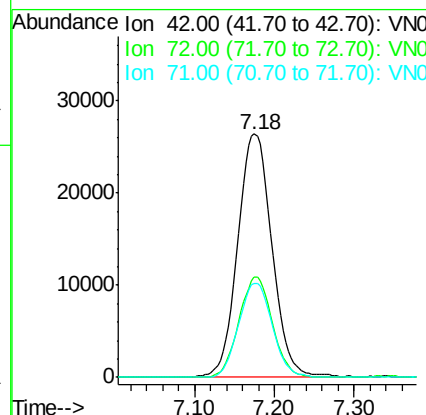
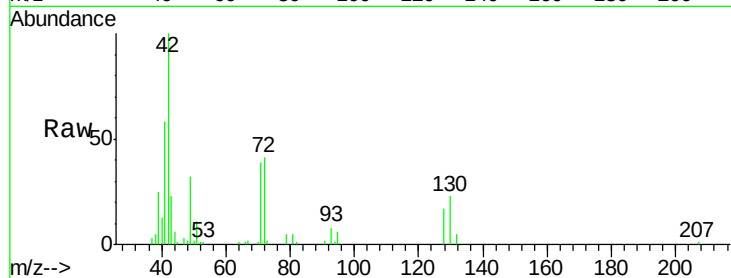
#29
Tetrahydrofuran
Concen: 97.842 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.2	49.8
71	37.8	31.1	46.7

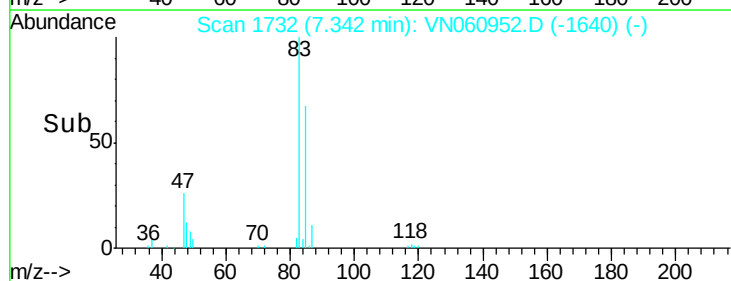
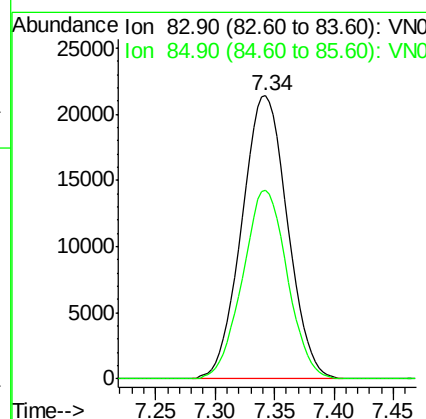
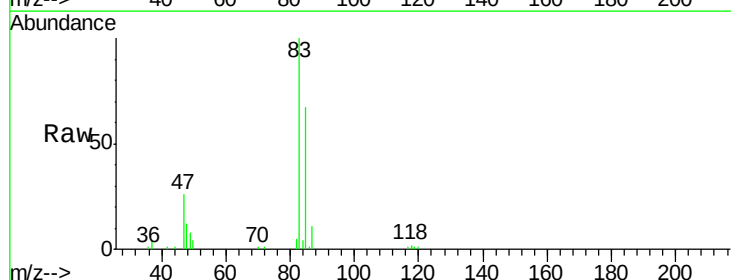
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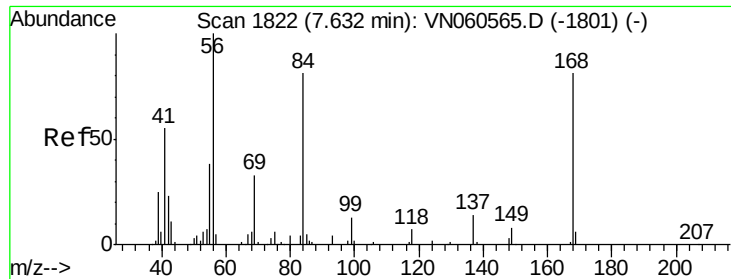
MMDadoda
4/16/2020 11:15:53 AM



#30
Chloroform
Concen: 19.256 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8





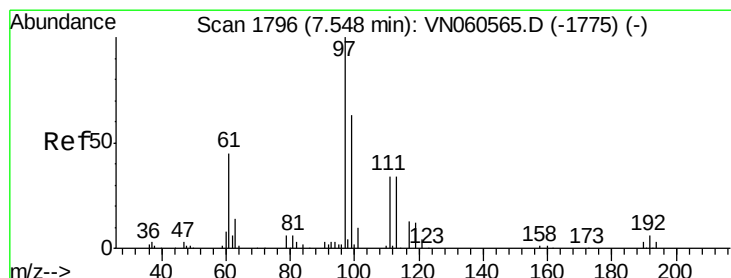
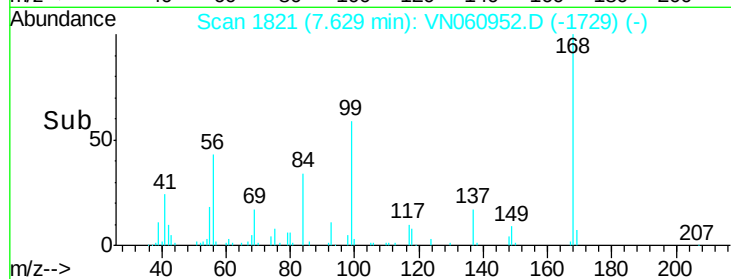
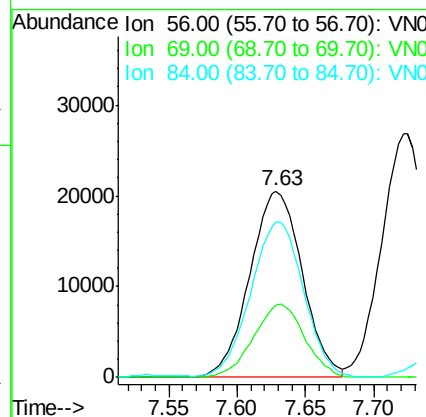
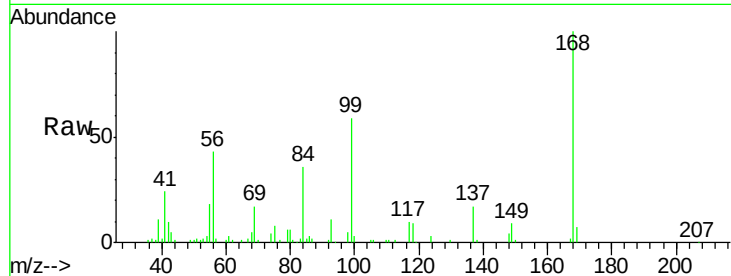
#31
Cyclohexane
Concen: 17.621 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	26.6	40.0
84	83.2	64.3	96.5

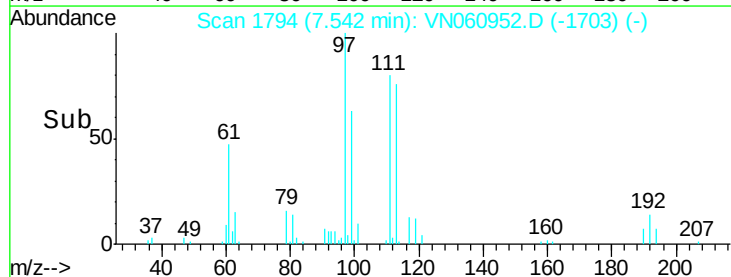
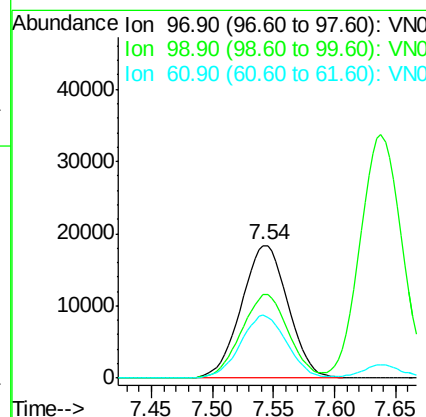
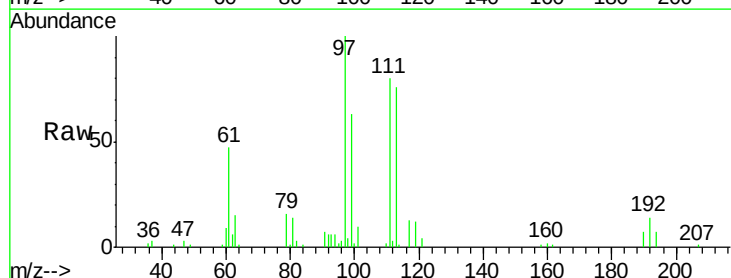
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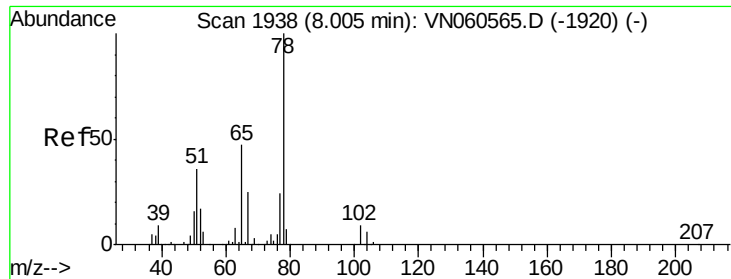
MMDadoda
4/16/2020 11:15:53 AM



#32
1,1,1-Trichloroethane
Concen: 19.079 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	75.8
61	47.0	36.2	54.4





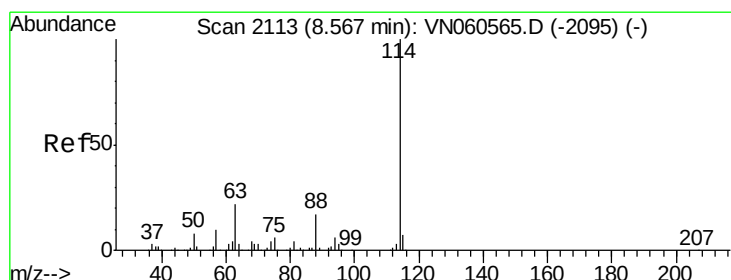
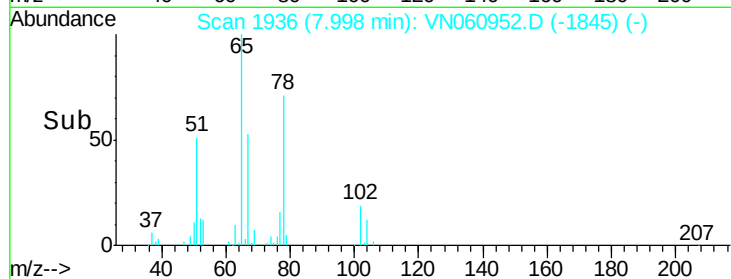
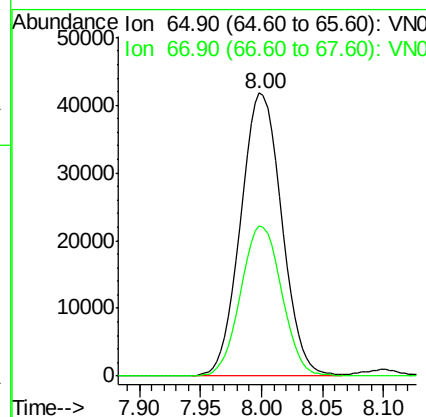
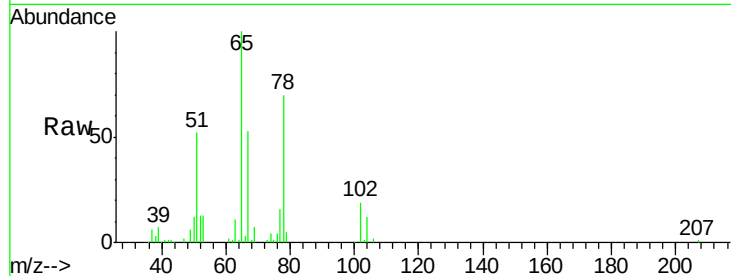
#33
 1,2-Dichloroethane-d4
 Concen: 50.617 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	107.6	

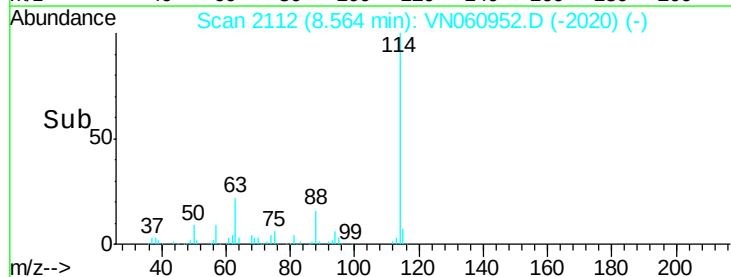
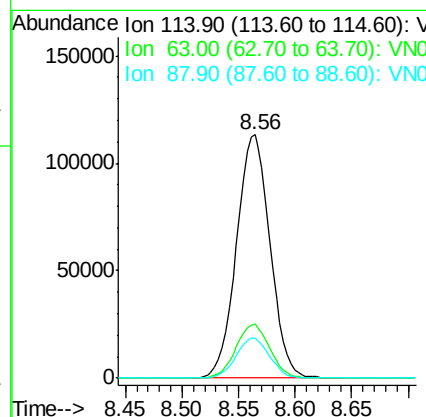
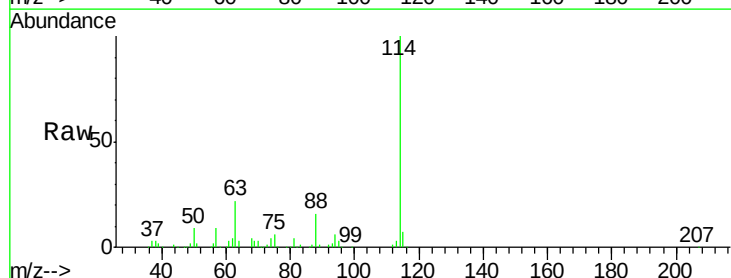
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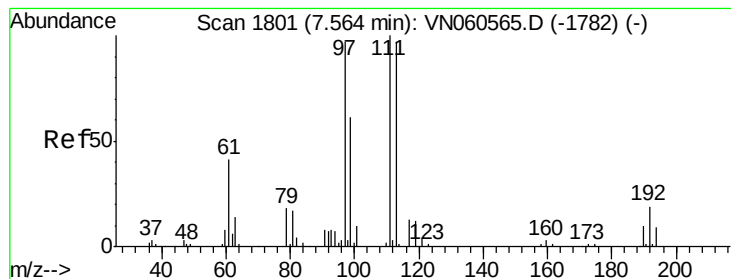
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.8	
88	16.5	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.266 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

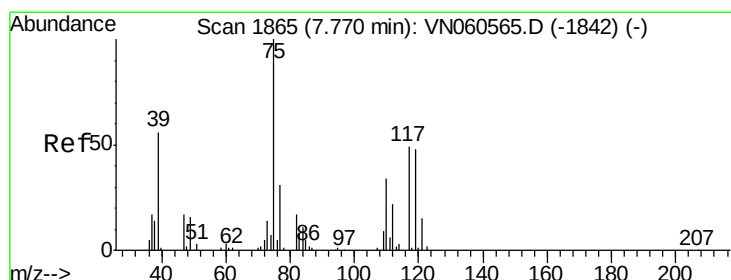
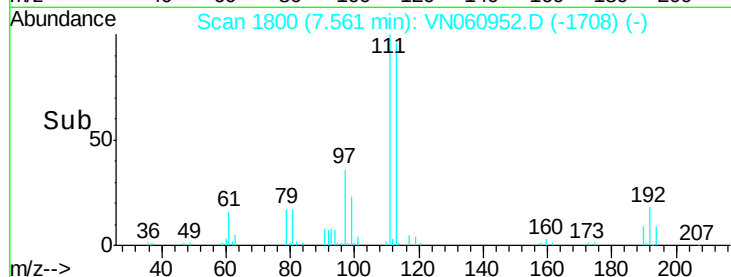
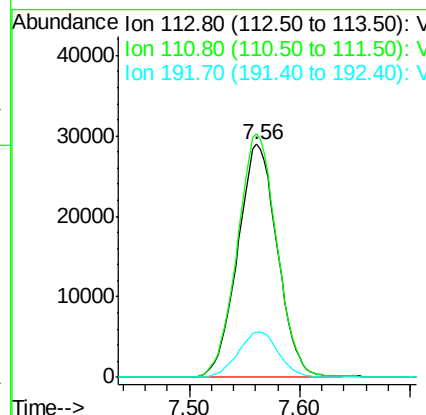
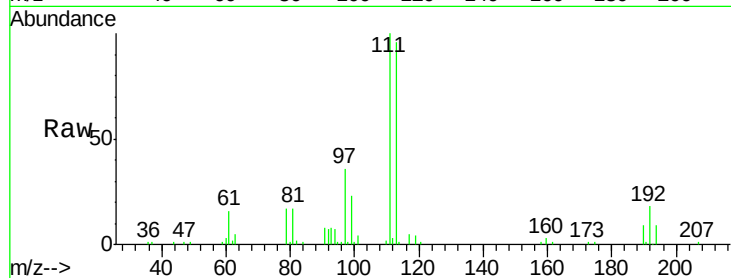
ClientSampleId :

VN0415WBS01

Tot Ion:	113	Resp:	72440
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	19.6	15.8	23.8

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4/16/2020 11:15:53 AM



#36

1,1-Dichloropropene

Concen: 18.622 ug/l

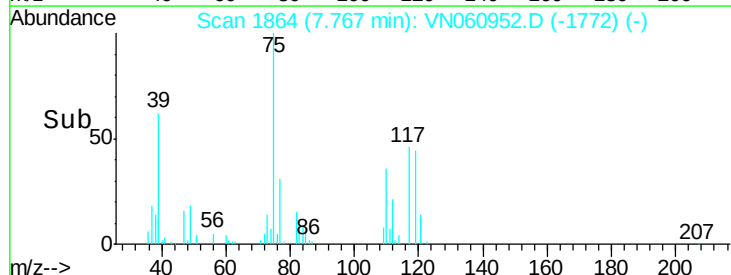
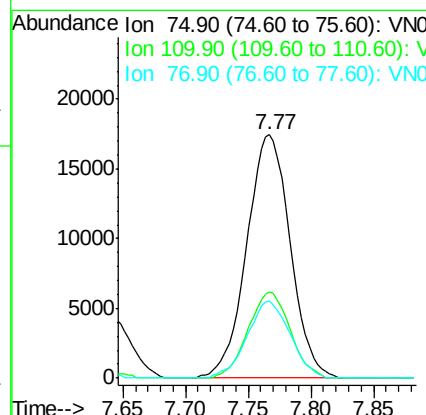
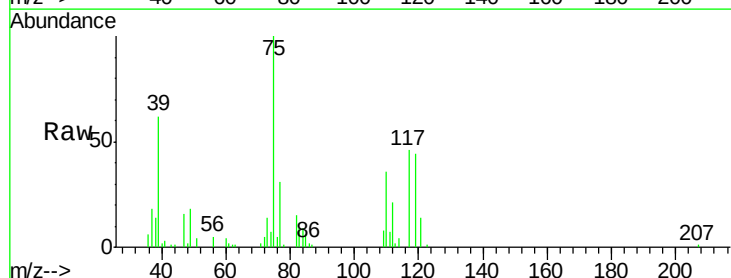
RT: 7.77 min Scan# 1864

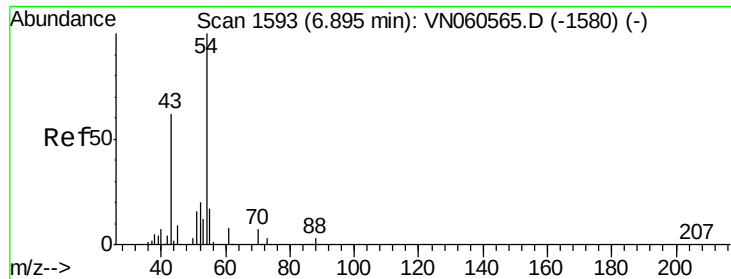
Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	75	Resp:	42138
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	31.3	24.6	36.8





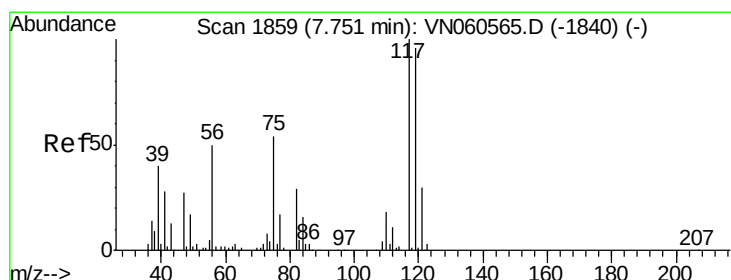
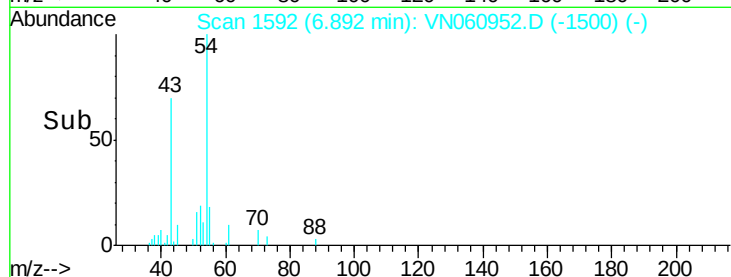
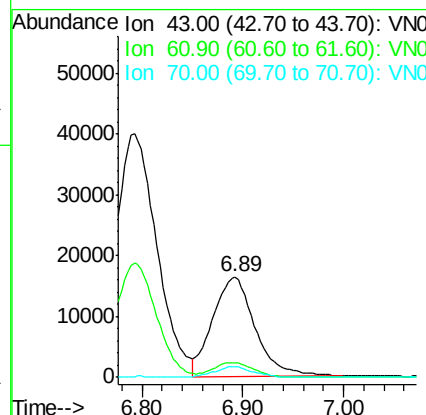
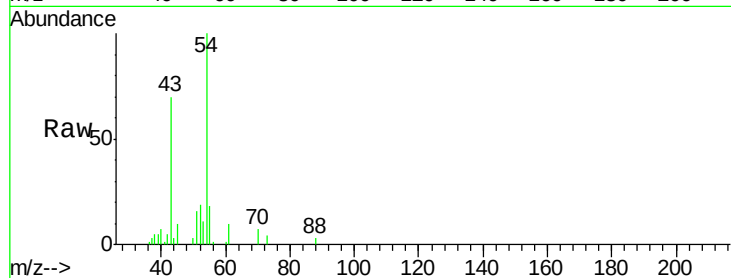
#37
Ethyl Acetate
Concen: 19.456 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	9.9	7.9	11.9

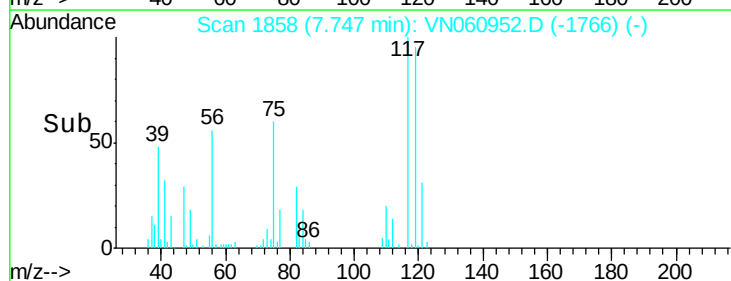
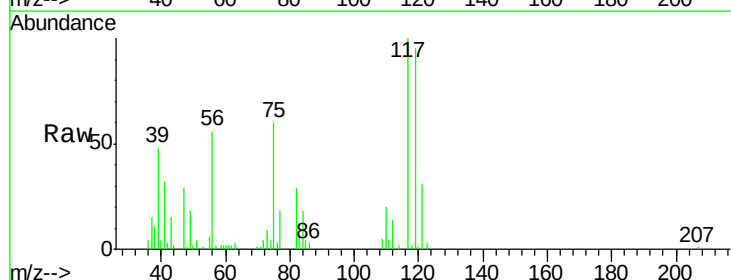
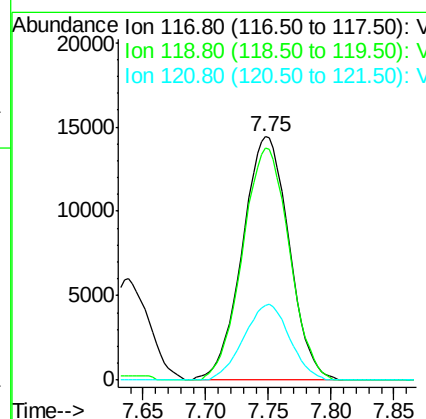
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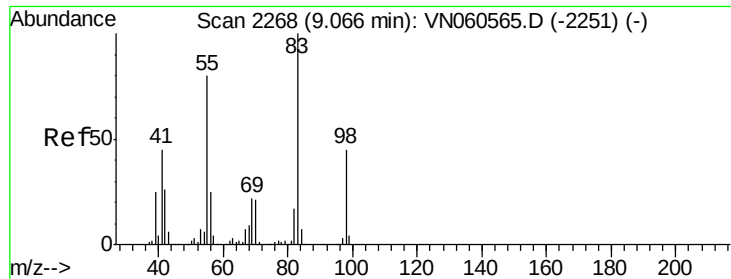
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4/16/2020 11:15:53 AM



#38
Carbon Tetrachloride
Concen: 18.390 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.7	23.7	35.5





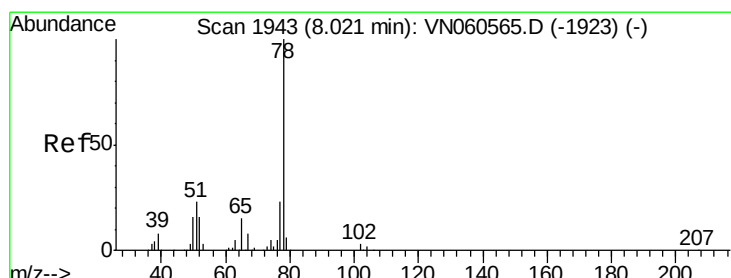
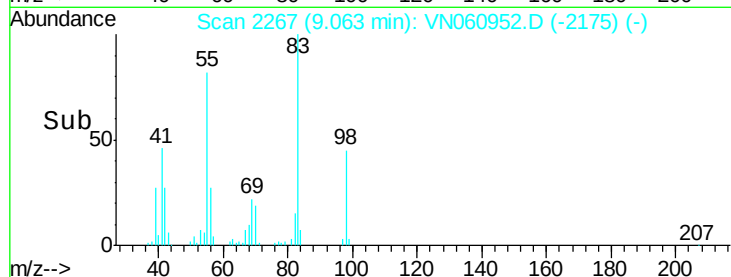
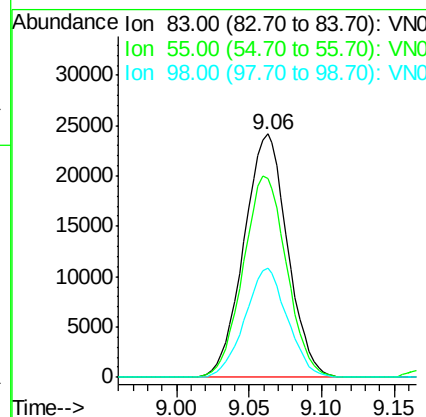
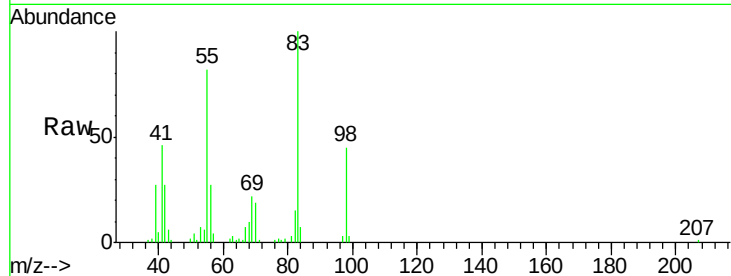
#39
Methylvlcyclohexane
Concen: 18.805 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.6	95.4
98	45.0	36.0	54.0

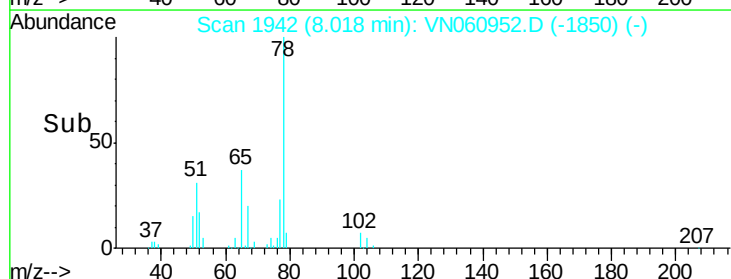
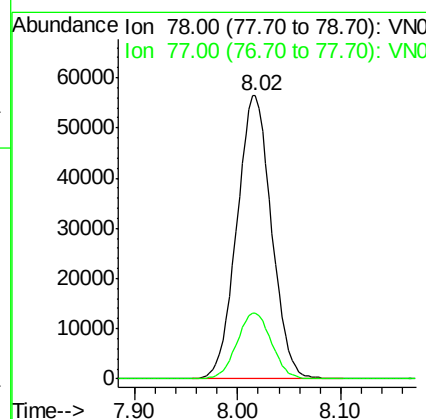
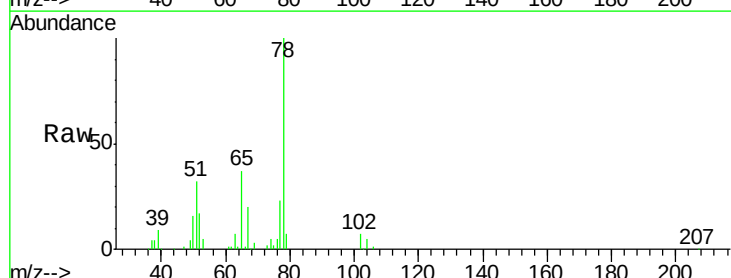
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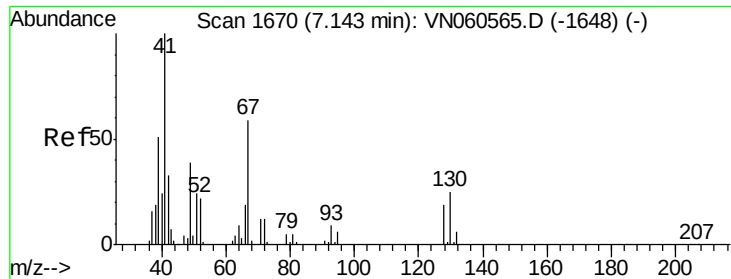
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#40
Benzene
Concen: 19.269 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





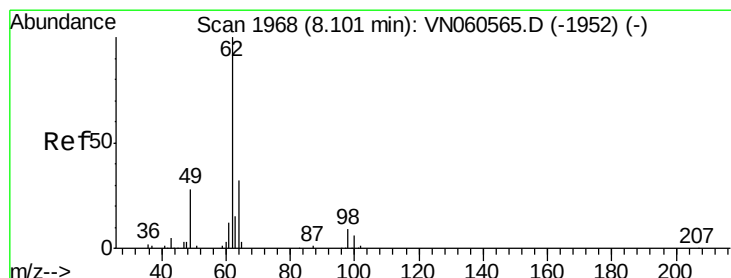
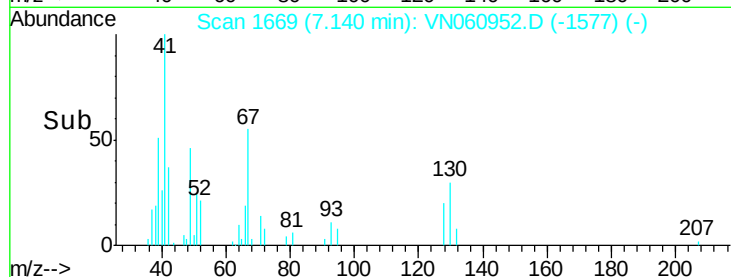
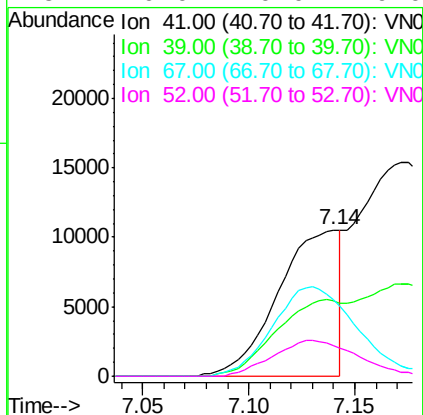
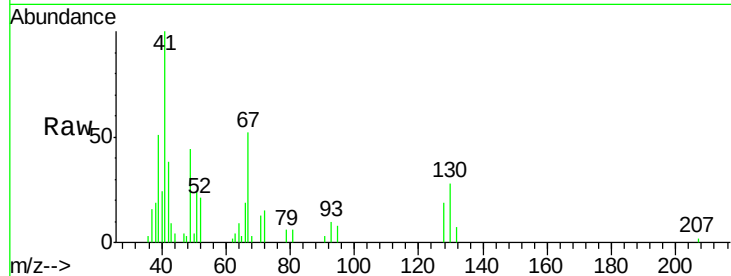
#41
Methacrylonitrile
Concen: 20.525 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	41	Resp	21417
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

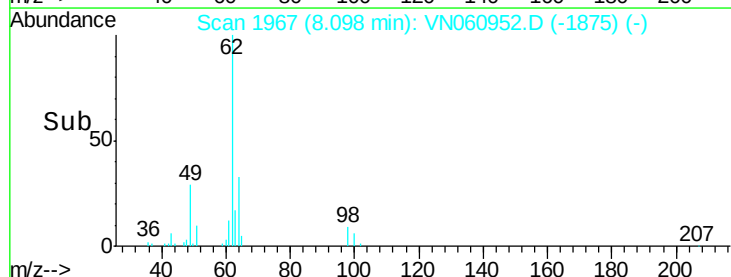
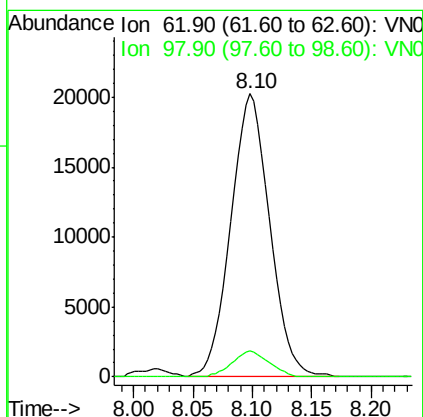
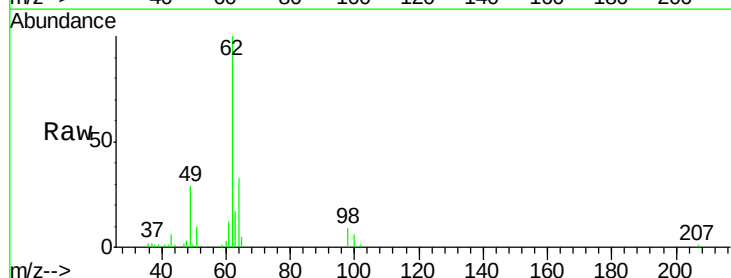
Manual Integrations
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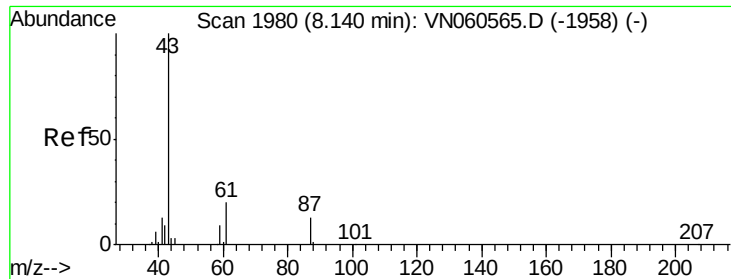
MMDadoda
4/16/2020 11:15:53 AM



#42
1,2-Dichloroethane
Concen: 19.675 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	62	Resp	45931
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.122 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

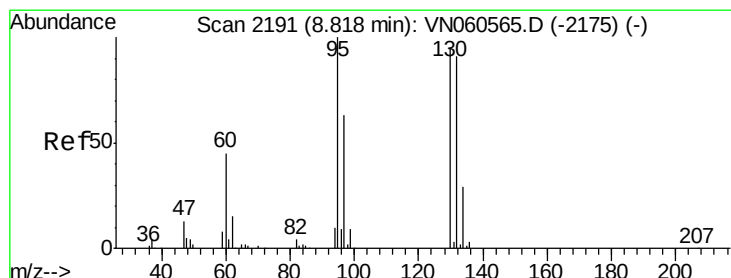
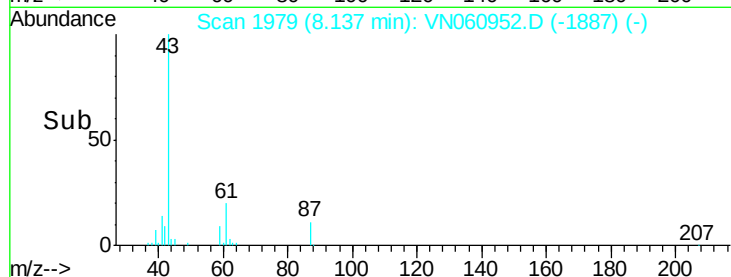
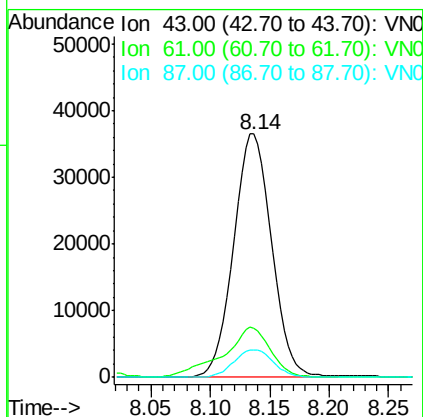
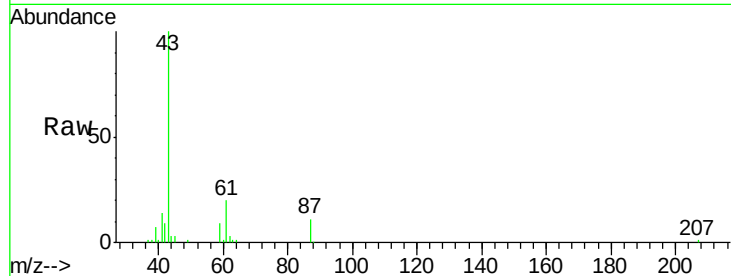
ClientSampleId :

VN0415WBS01

Tot Ion:	43	Resp:	81138
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	11.6	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 18.726 ug/l

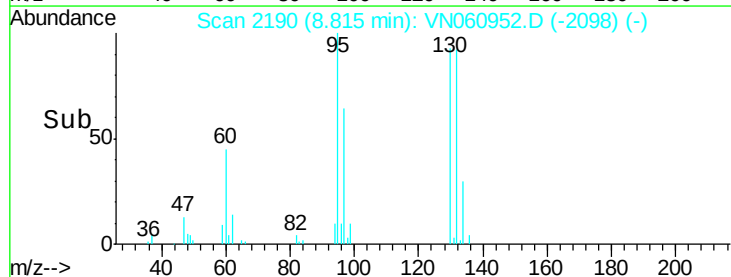
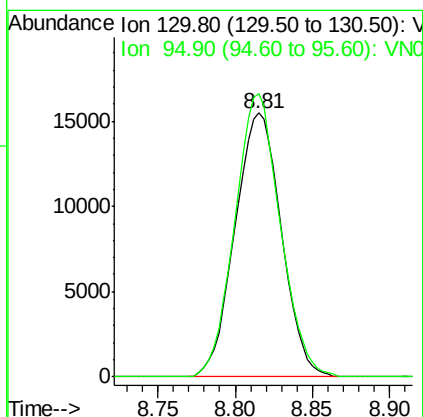
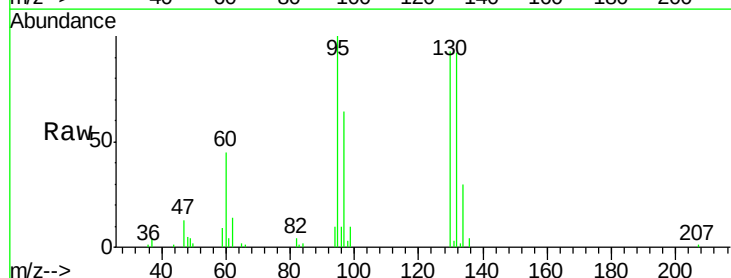
RT: 8.81 min Scan# 2190

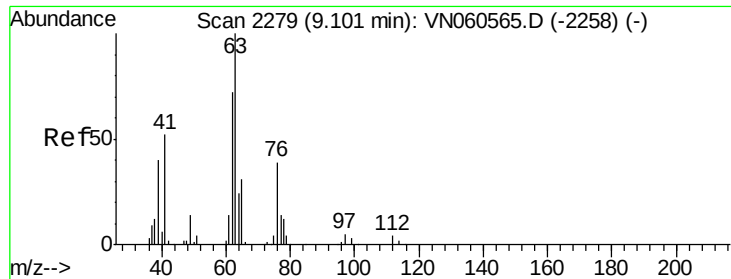
Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	130	Resp:	32246
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.204 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 63 Resp: 36417

Ion Ratio Lower Upper

63 100

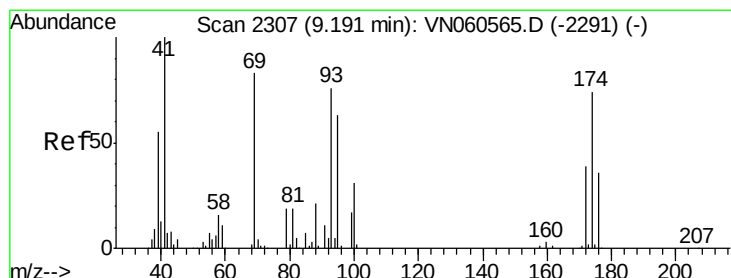
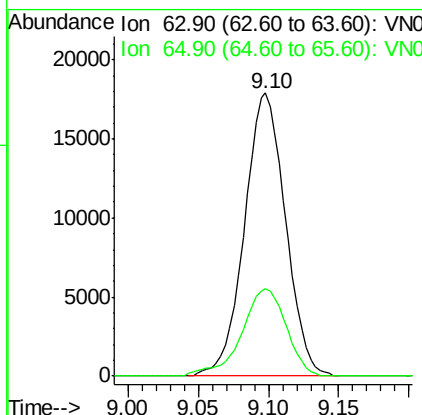
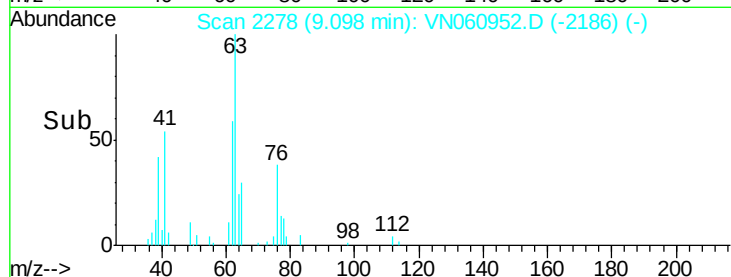
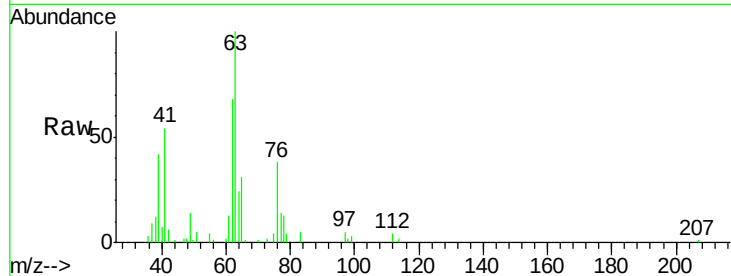
65 31.0 25.4 38.0

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4/16/2020 11:15:53 AM



#46

Dibromomethane

Concen: 19.890 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

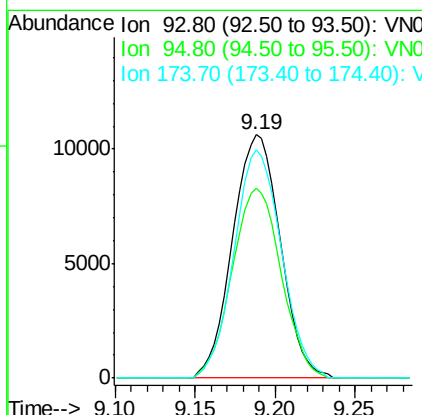
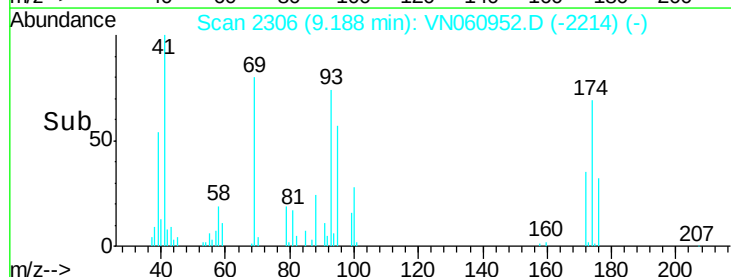
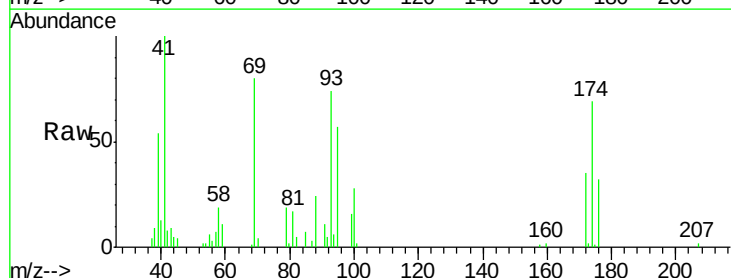
Tgt Ion: 93 Resp: 21674

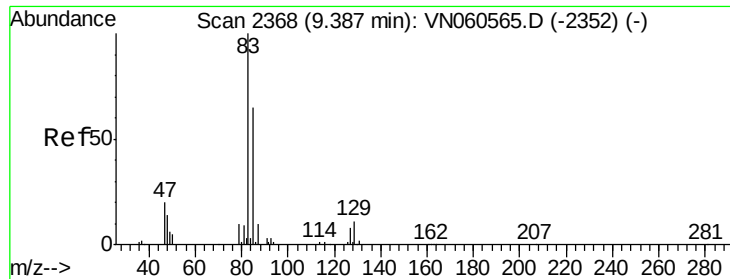
Ion Ratio Lower Upper

93 100

95 80.0 66.2 99.4

174 93.0 77.9 116.9





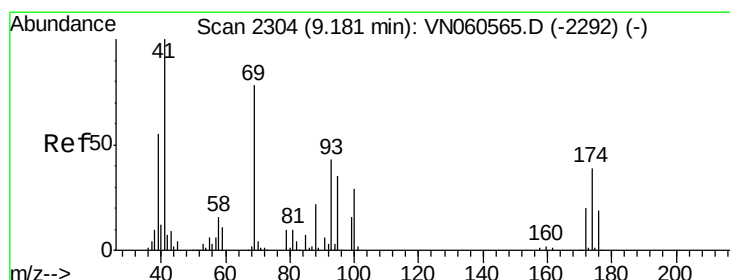
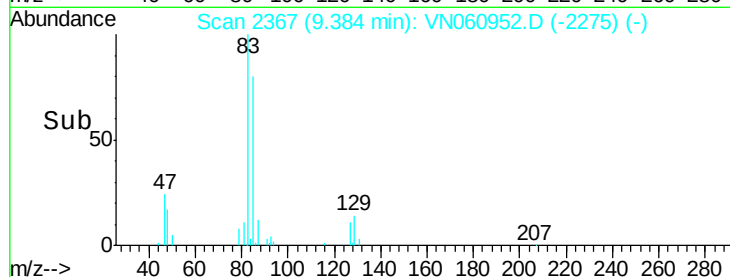
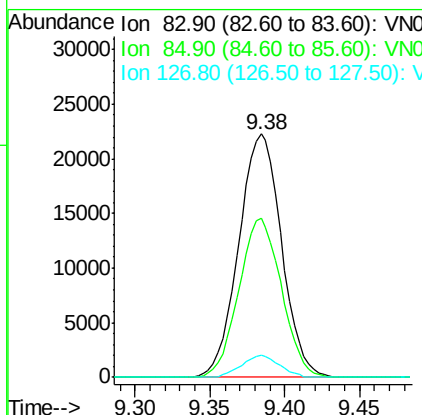
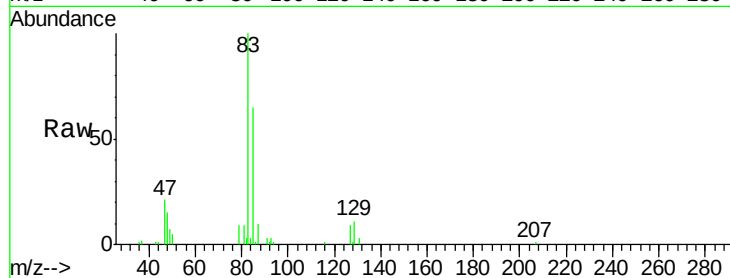
#47
Bromodichloromethane
Concen: 19.530 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	83	Resp	44223
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	8.9	6.5	9.7

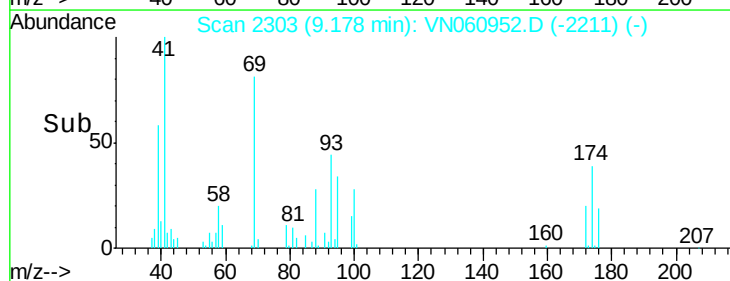
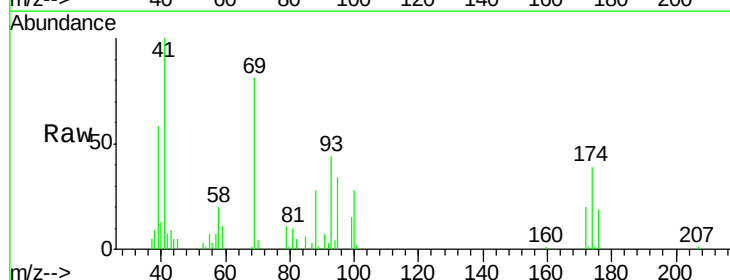
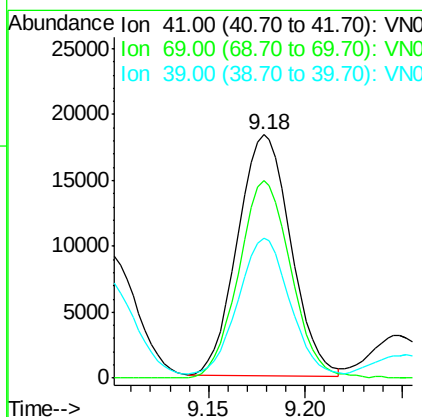
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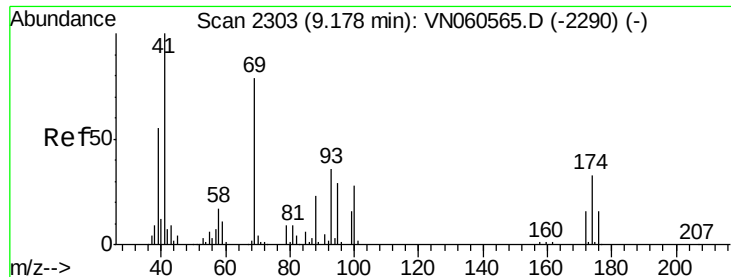
MMDadoda
4/16/2020 11:15:53 AM



#48
Methyl methacrylate
Concen: 19.537 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	41	Resp	35074
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	65.4	98.0
39	57.9	44.0	66.0





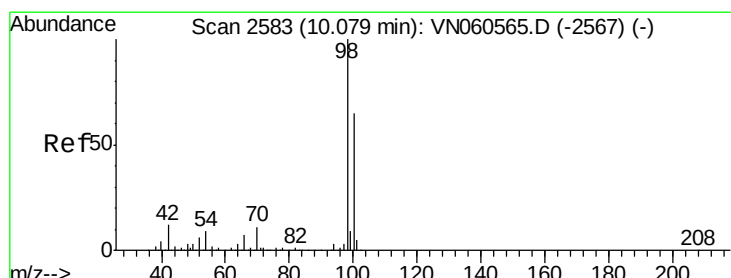
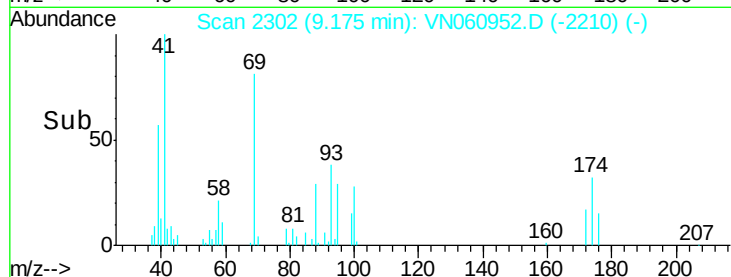
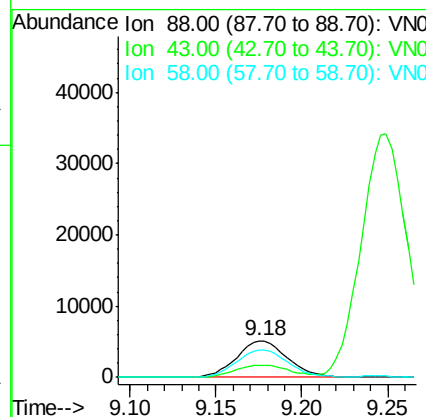
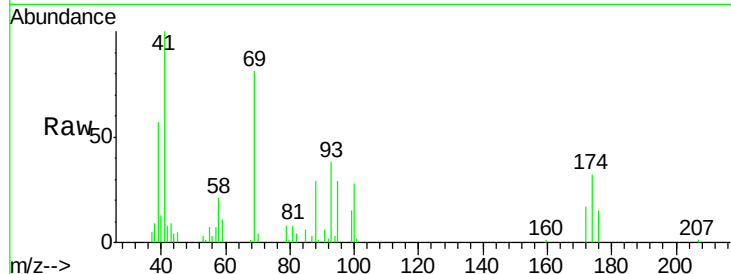
#49
1,4-Dioxane
Concen: 493.412 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	88	Resp	10529
Ion Ratio	Lower	Upper	
88	100		
43	35.5	30.8	46.2
58	75.1	59.8	89.8

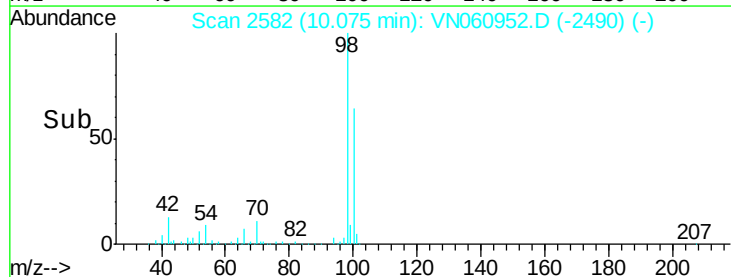
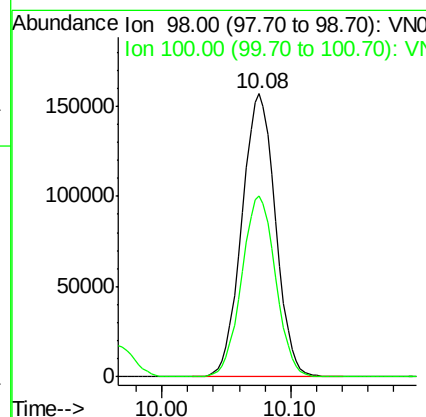
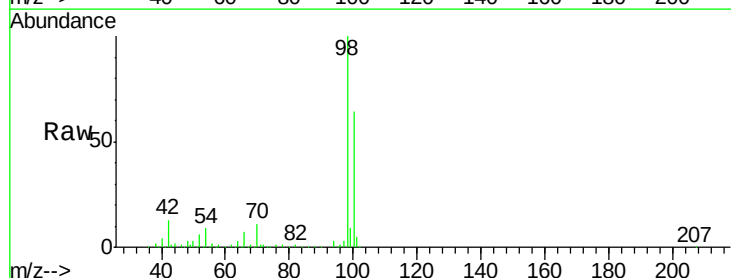
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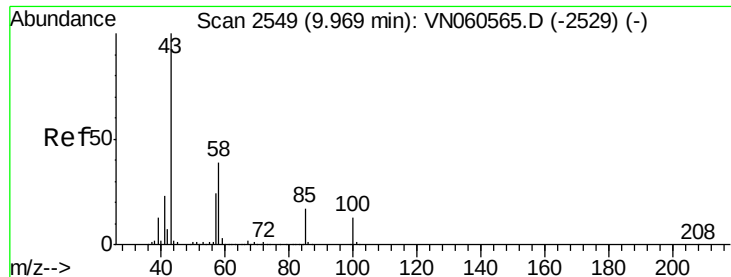
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4/16/2020 11:15:53 AM



#50
Toluene-d8
Concen: 49.319 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	98	Resp	284653
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 102.179 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0415WBS01

Tot Ion: 43 Resp: 234455

Ion Ratio Lower Upper

43 100

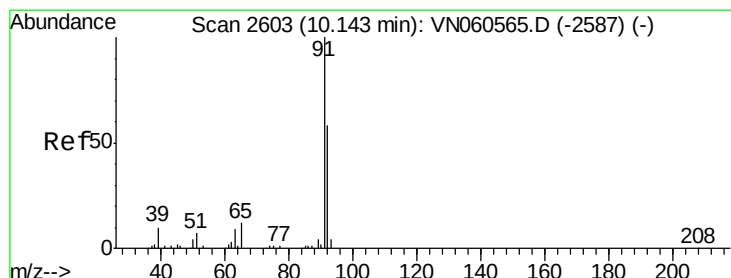
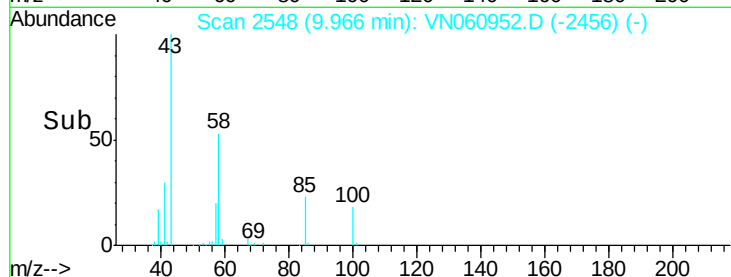
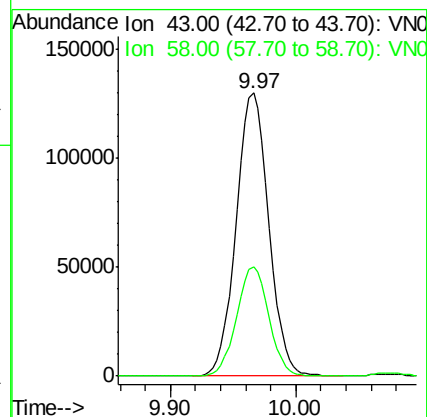
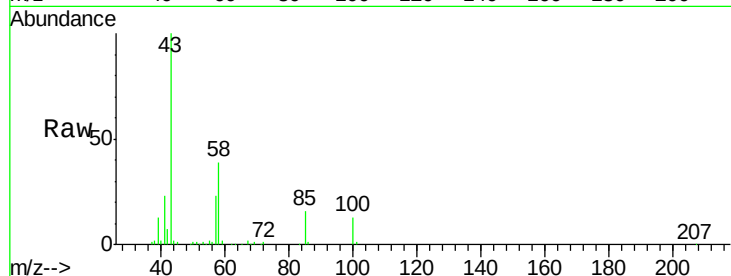
58 38.1 30.8 46.2

Manual Integrations

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4/16/2020 11:15:53 AM



#52

Toluene

Concen: 19.064 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060952.D

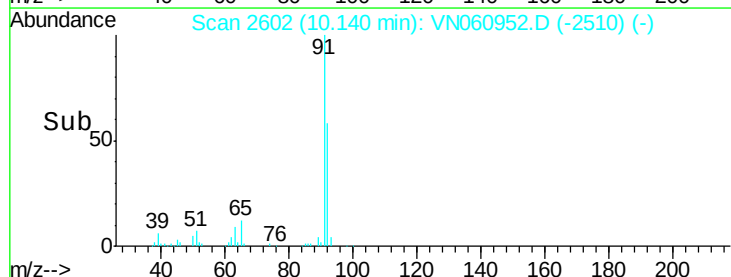
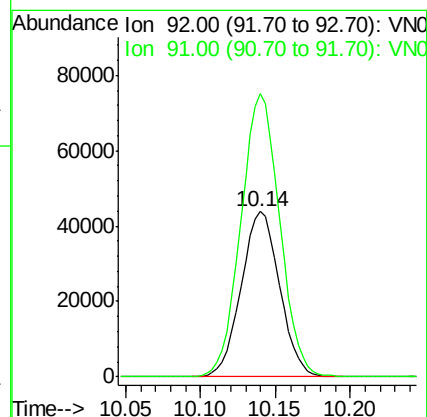
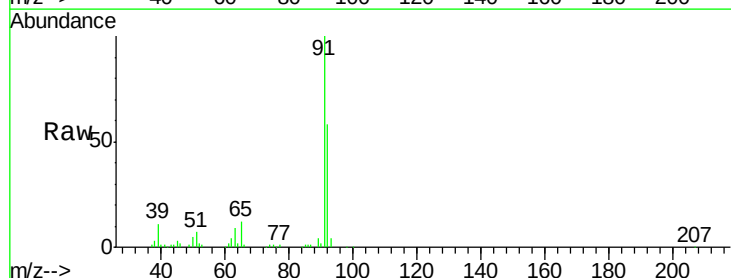
Acq: 15 Apr 2020 11:32

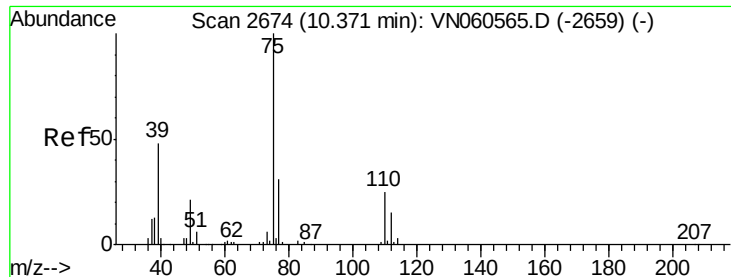
Tgt Ion: 92 Resp: 78645

Ion Ratio Lower Upper

92 100

91 172.5 137.6 206.4





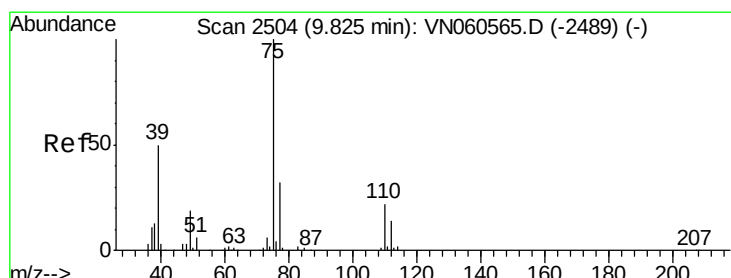
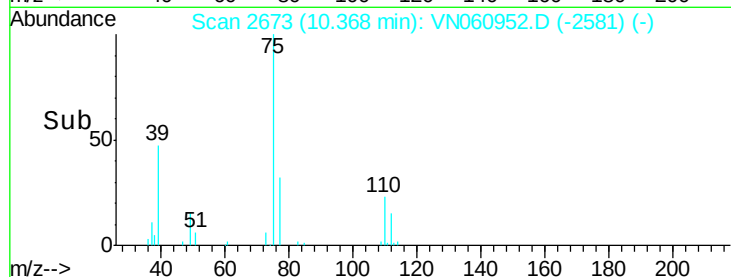
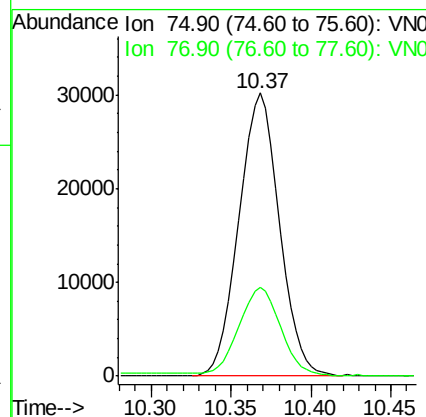
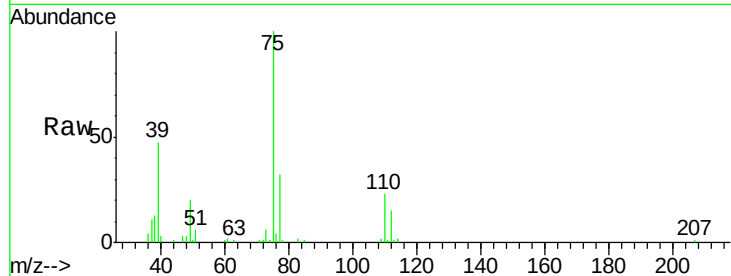
#53
t-1,3-Dichloropropene
Concen: 20.050 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

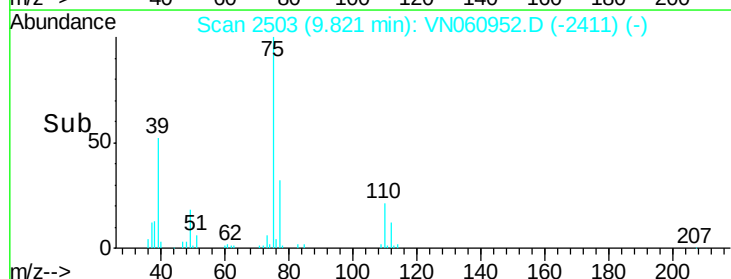
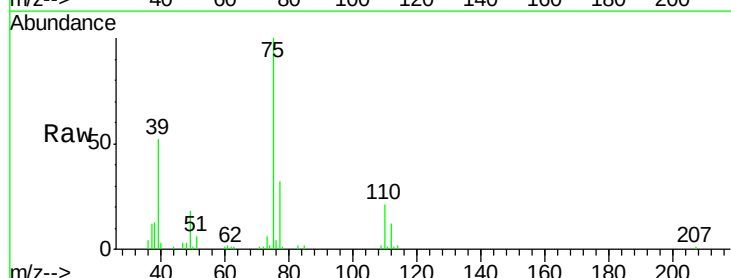
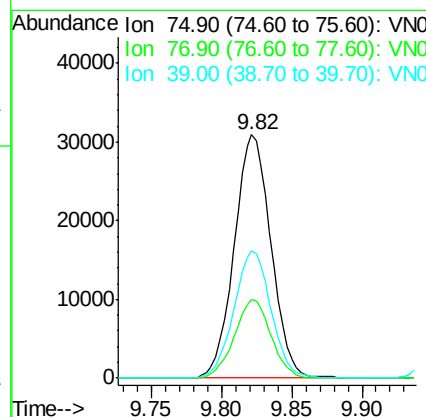
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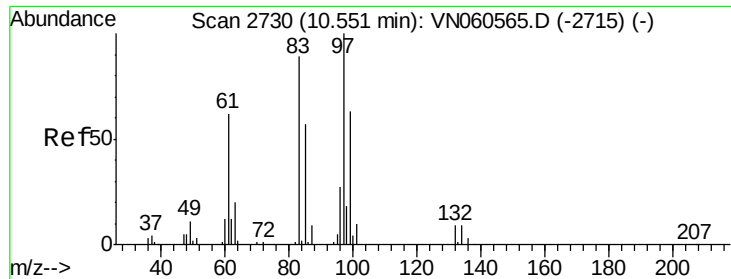
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4/16/2020 11:15:53 AM



#54
cis-1,3-Dichloropropene
Concen: 19.770 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	52.1	40.2	60.4





#55

1,1,2-Trichloroethane

Concen: 19.706 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 97 Resp: 31275

Ion Ratio Lower Upper

97 100

83 90.6 71.3 106.9

85 58.7 45.2 67.8

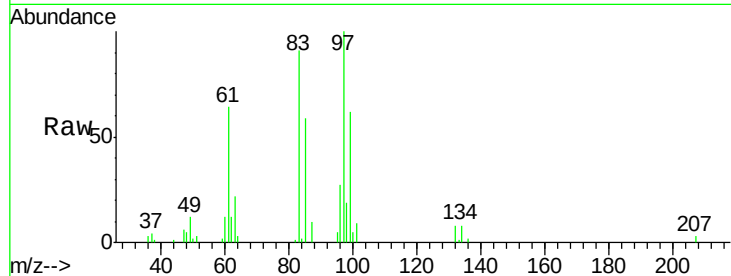
99 62.0 50.1 75.1

Manual Integrations

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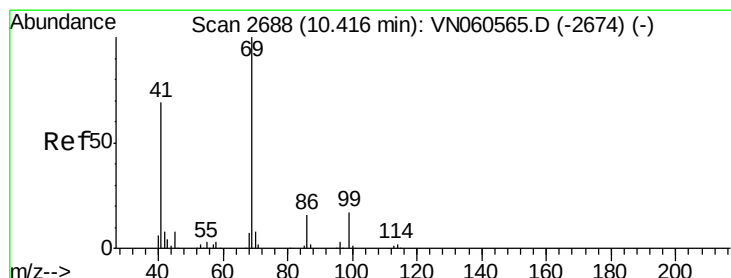
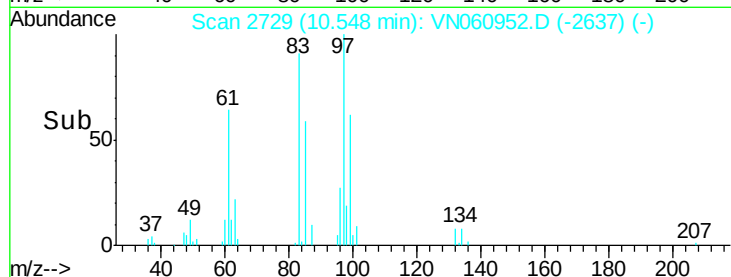
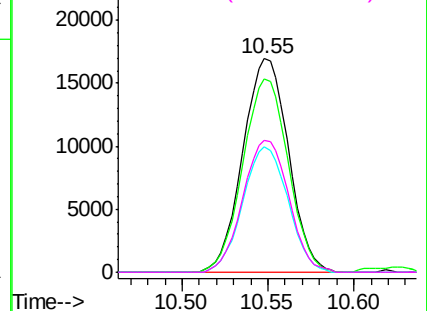
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.583 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

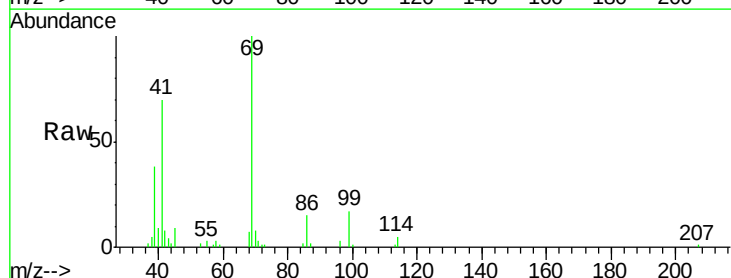
Tgt Ion: 69 Resp: 48460

Ion Ratio Lower Upper

69 100

41 70.9 55.4 83.2

39 37.2 29.4 44.0

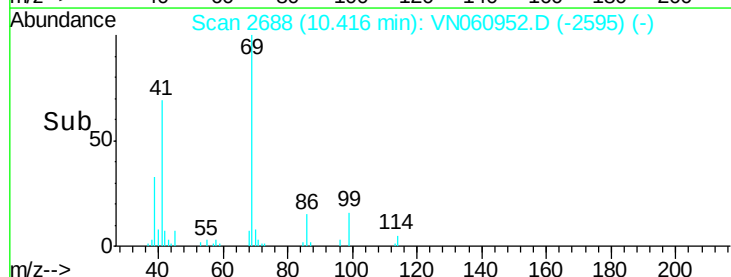
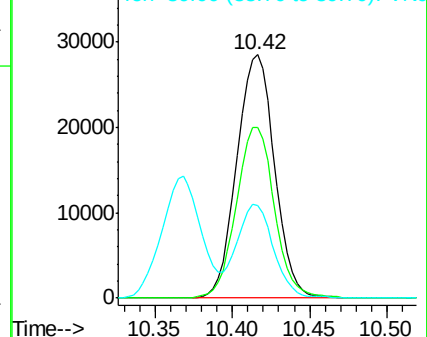


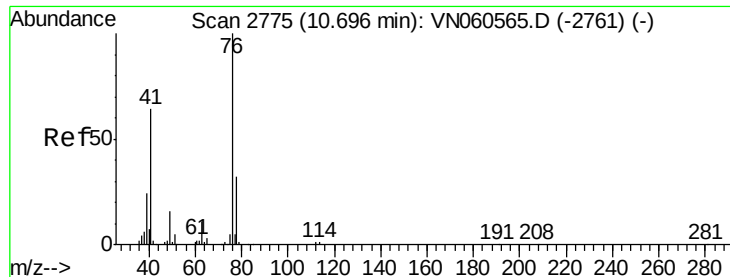
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





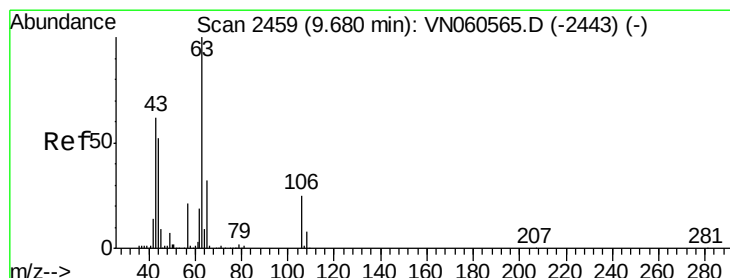
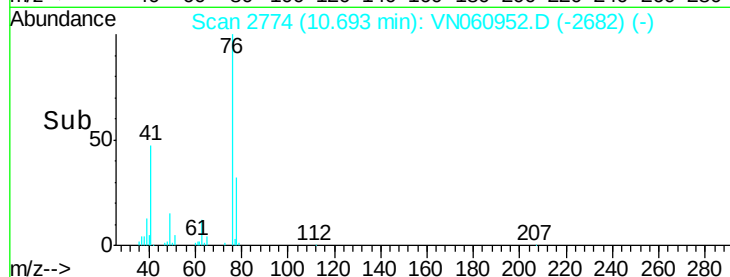
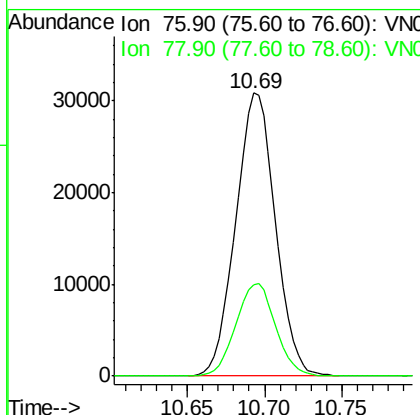
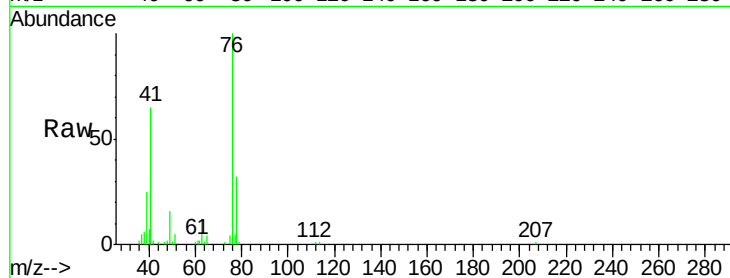
#57
 1,3-Dichloropropane
 Concen: 19.956 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

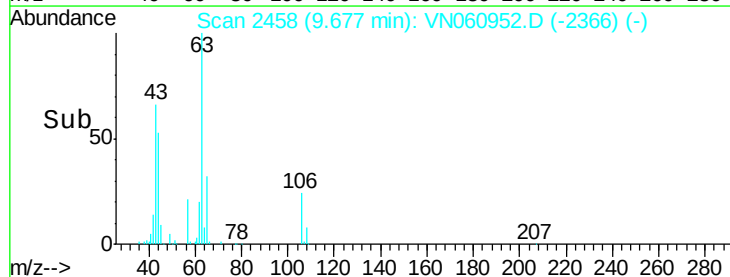
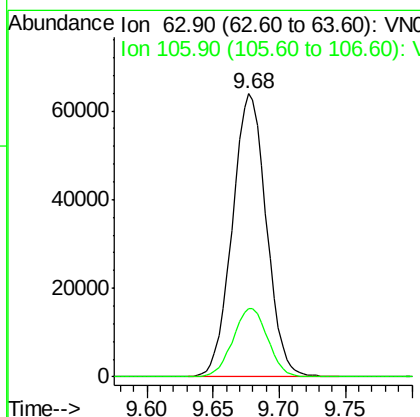
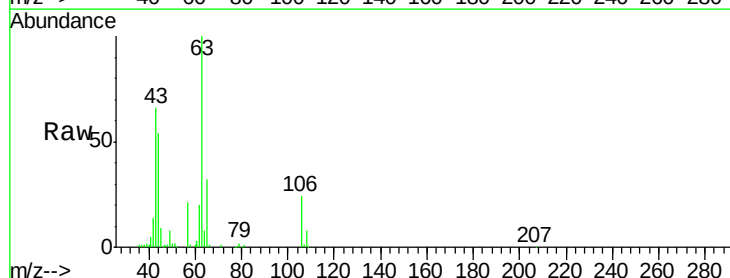
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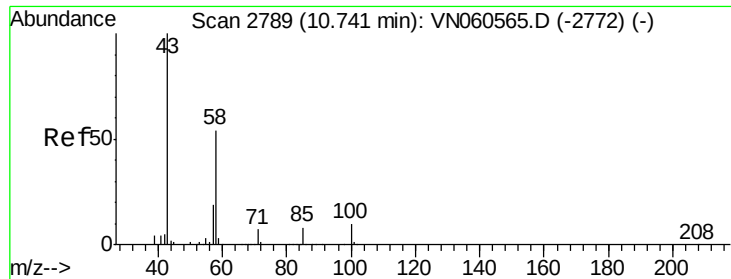
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.550 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	20.0	30.0





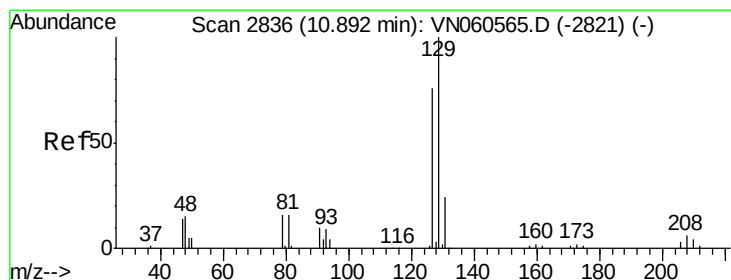
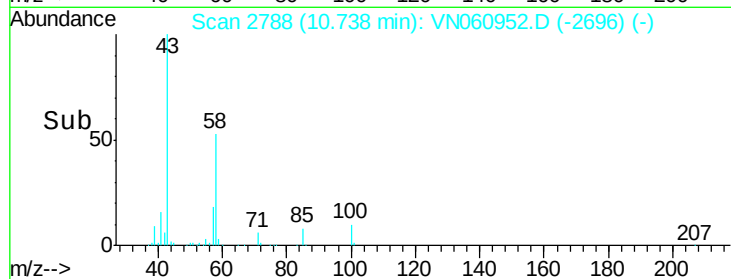
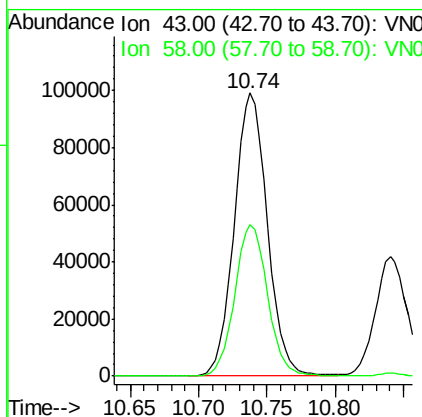
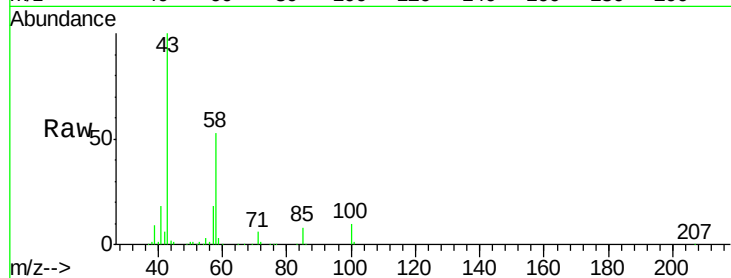
#59
2-Hexanone
Concen: 100.920 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion: 43 Resp: 166809
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

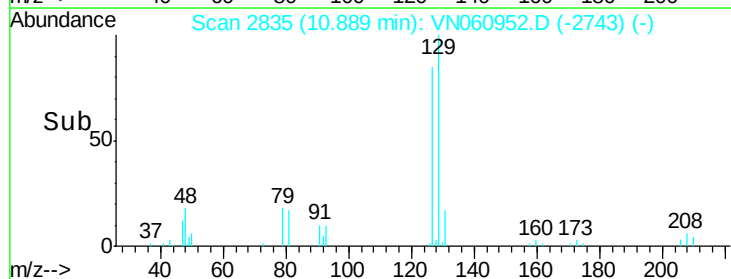
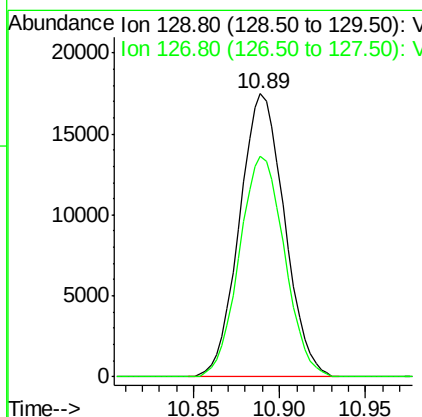
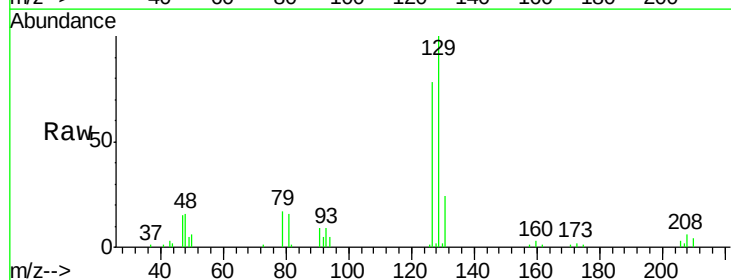
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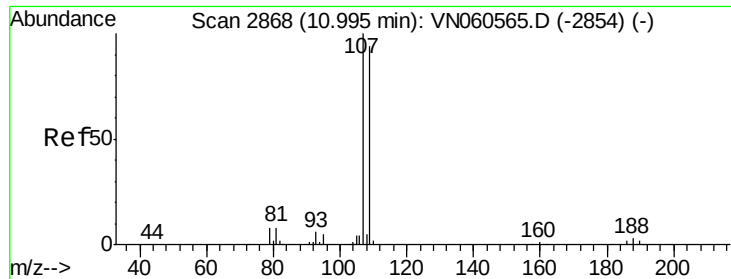
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#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion:129 Resp: 31733
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.122 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:107 Resp: 30517

Ion Ratio Lower Upper

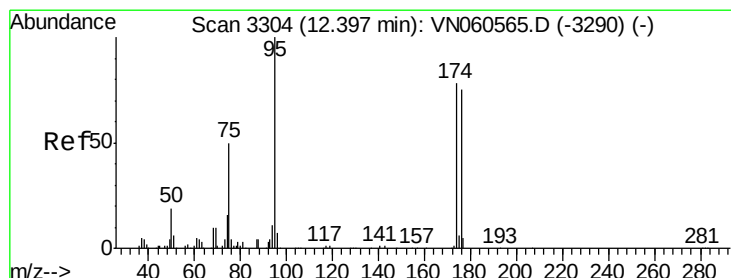
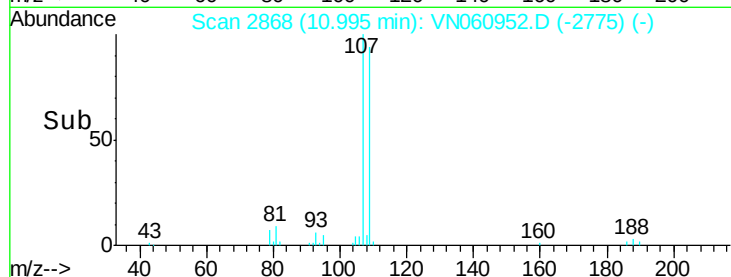
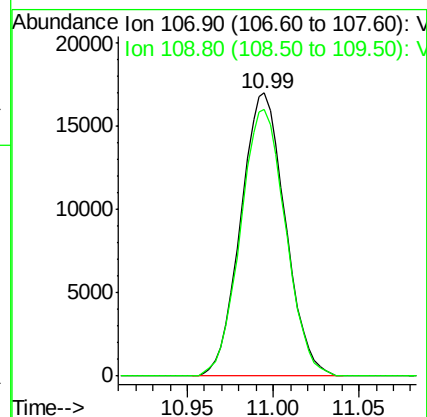
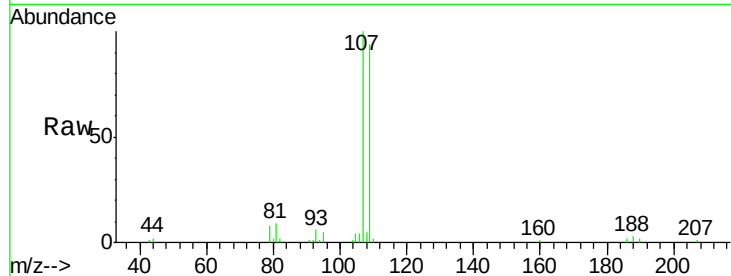
107 100

109 95.4 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 50.225 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

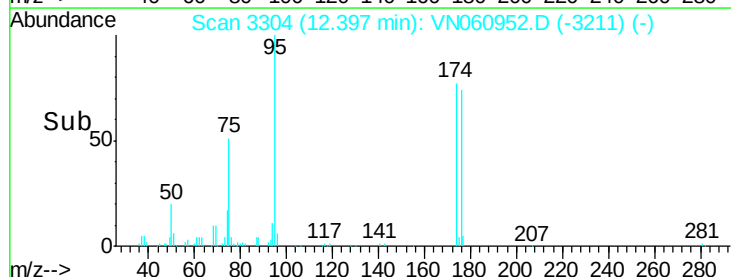
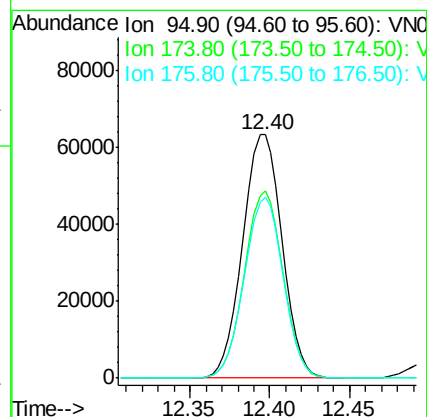
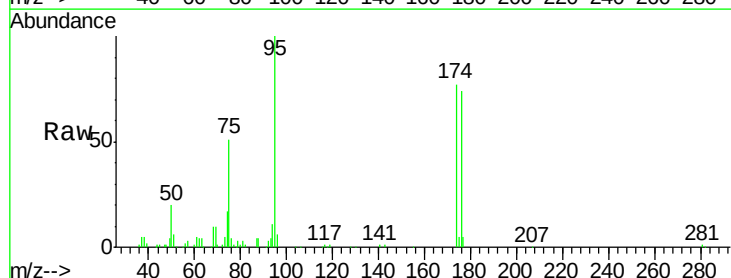
Tgt Ion: 95 Resp: 106238

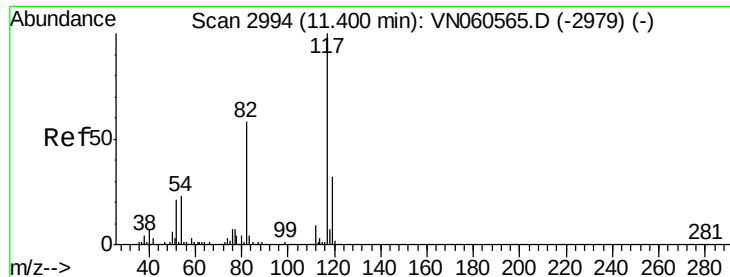
Ion Ratio Lower Upper

95 100

174 75.4 0.0 157.6

176 73.1 0.0 150.6





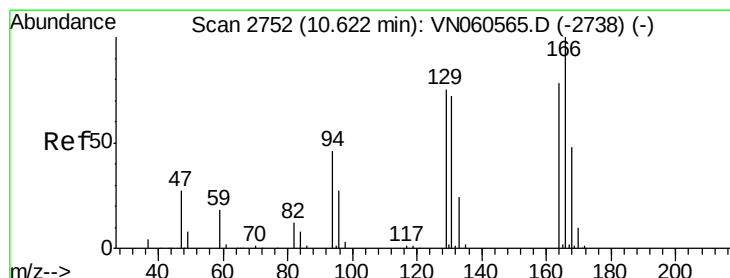
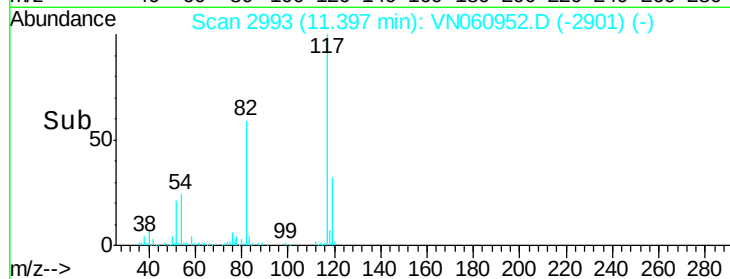
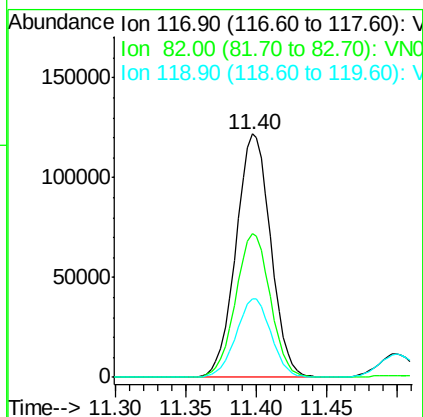
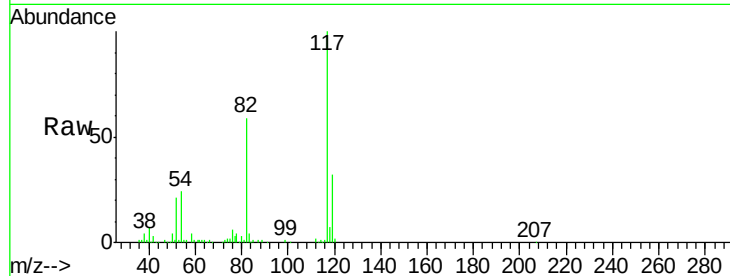
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.7	70.1
119	32.4	25.5	38.3

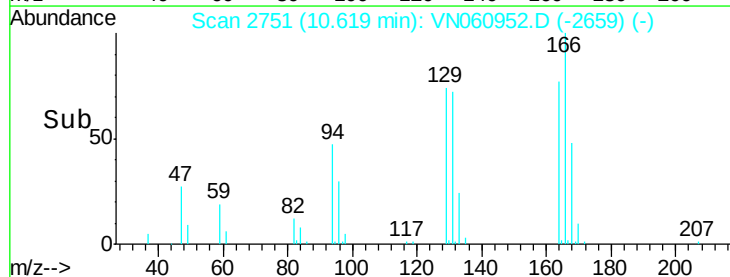
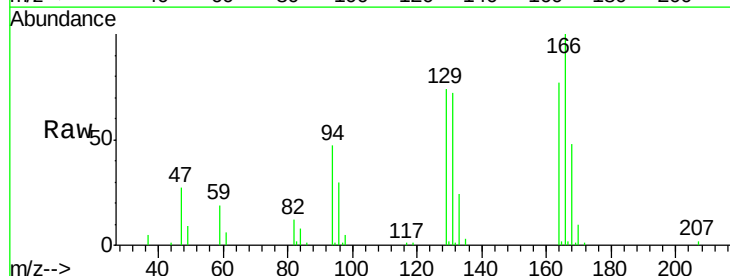
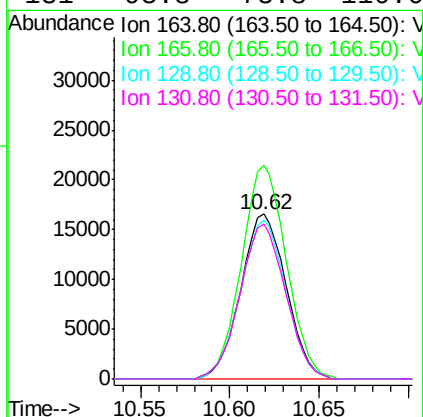
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APPROVED

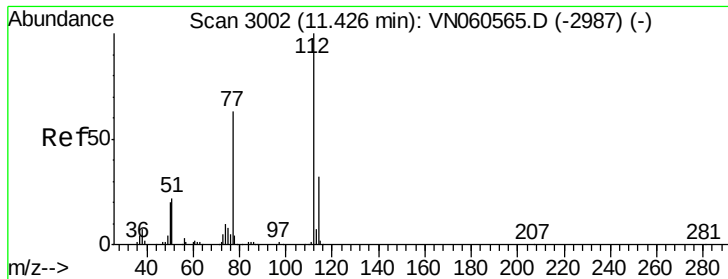
MMDadoda
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#64
Tetrachloroethene
Concen: 17.825 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.7	154.1
129	96.6	77.2	115.8
131	93.8	73.8	110.6





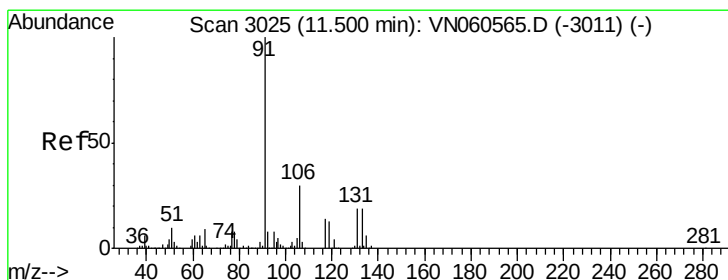
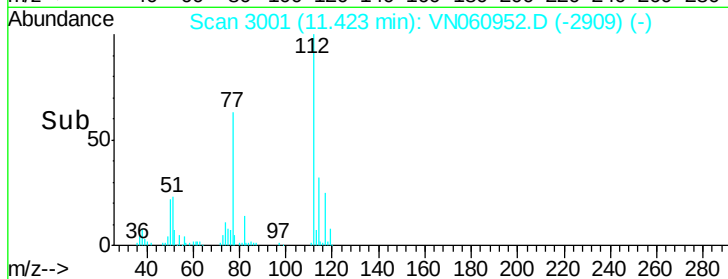
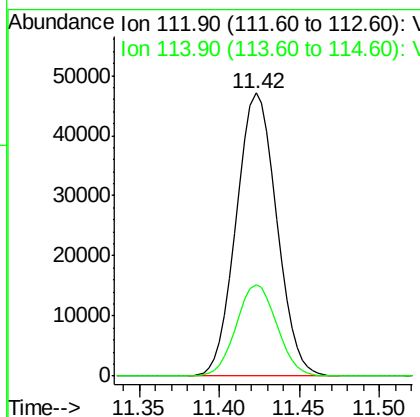
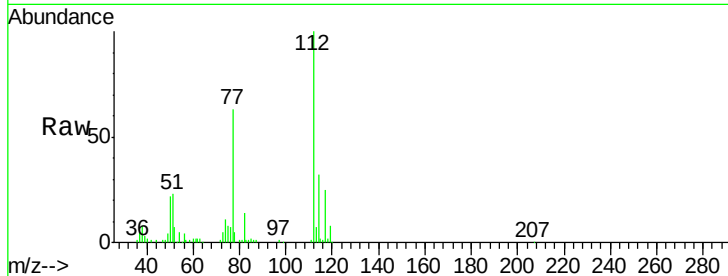
#65
Chlorobenzene
Concen: 19.441 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

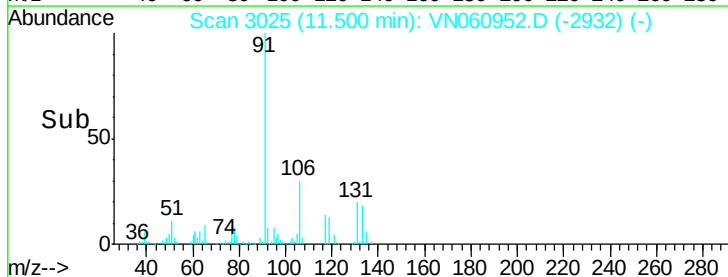
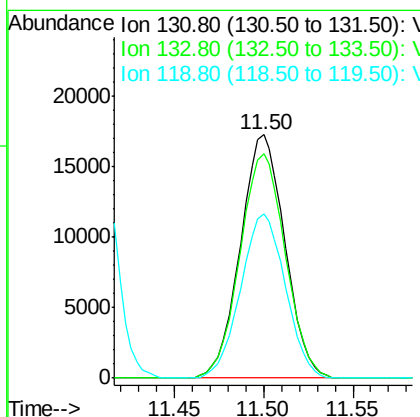
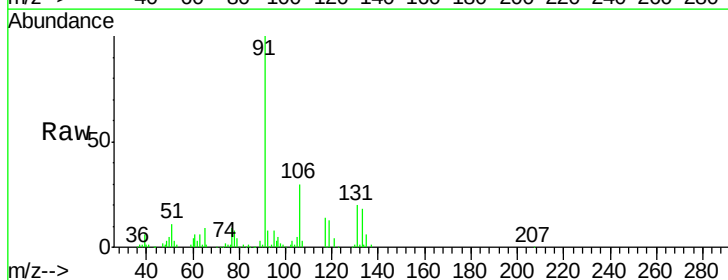
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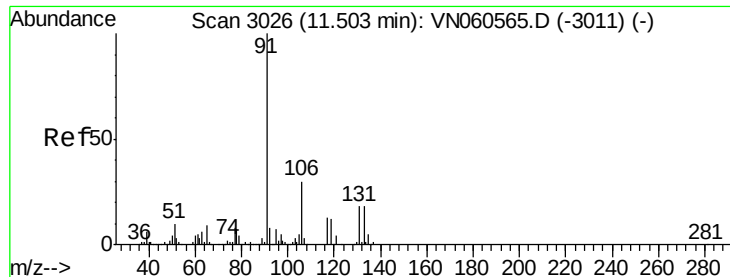
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.905 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.9	146.8
119	67.8	33.9	101.7





#67

Ethyl Benzene

Concen: 19.438 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 91 Resp: 150820

Ion Ratio Lower Upper

91 100

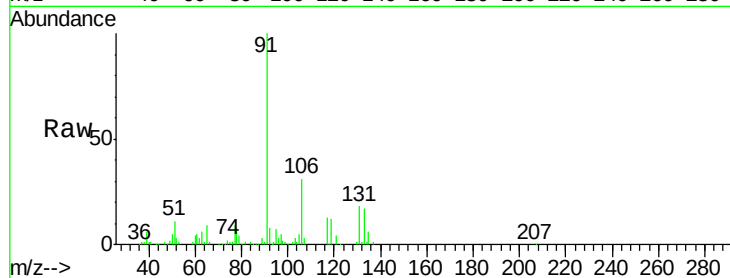
106 30.9 24.2 36.2

Manual Integrations

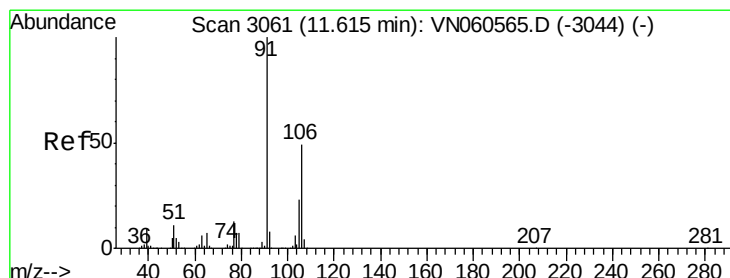
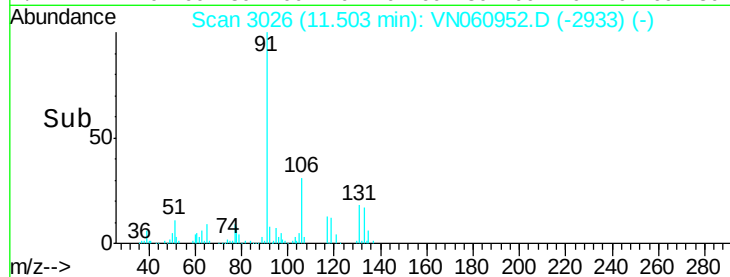
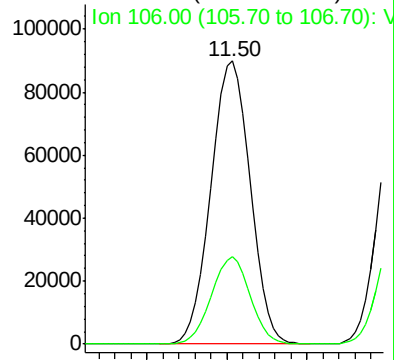
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Abundance Ion 91.00 (90.70 to 91.70): VN060952.D (-2933) (-)



#68

m/p-Xylenes

Concen: 38.183 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060952.D

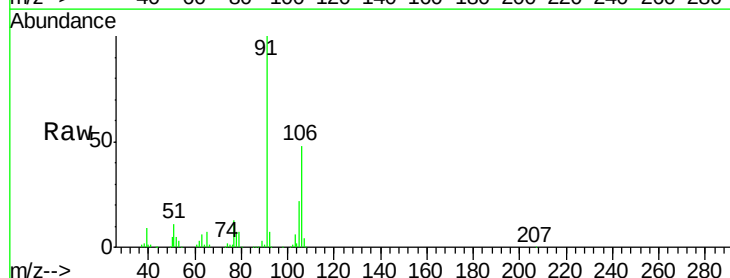
Acq: 15 Apr 2020 11:32

Tgt Ion: 106 Resp: 110093

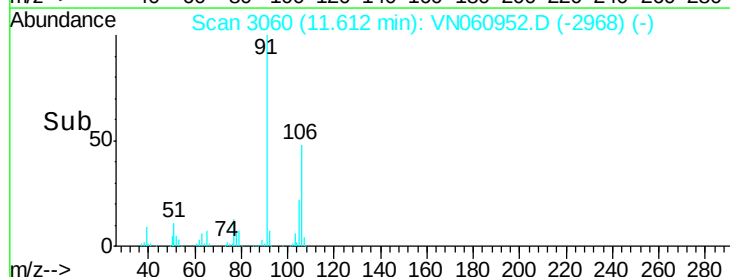
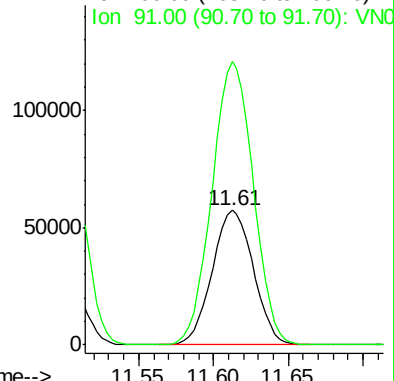
Ion Ratio Lower Upper

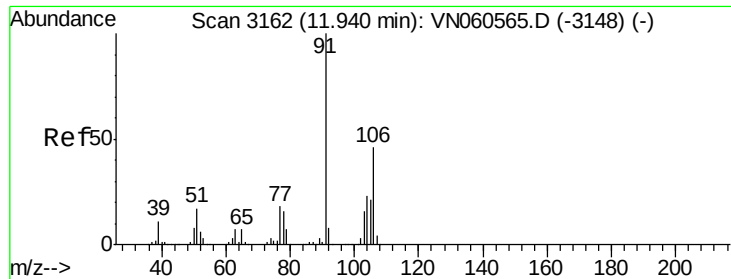
106 100

91 210.7 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060952.D (-2968) (-)





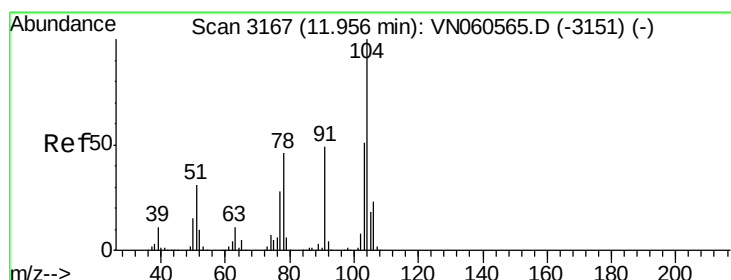
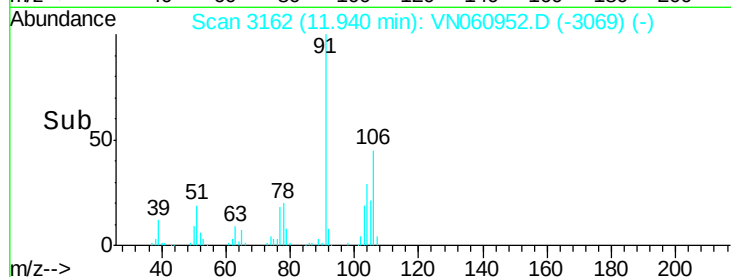
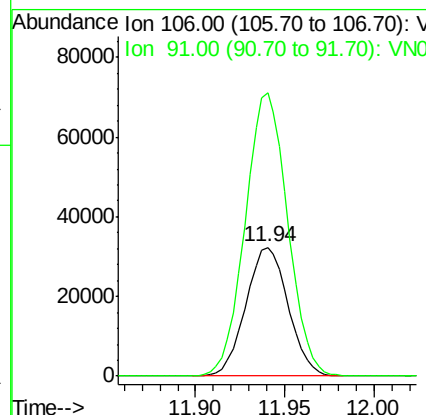
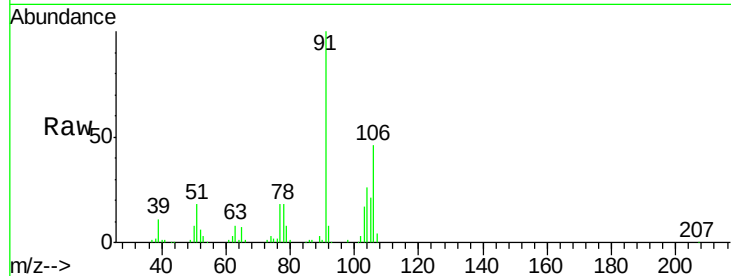
#69
o-Xylene
Concen: 19.499 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		53671		
91	219.6	109.5	328.4		

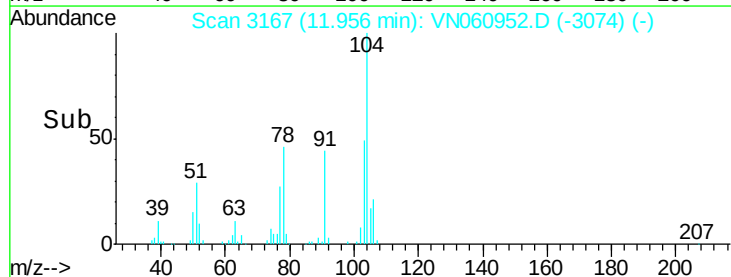
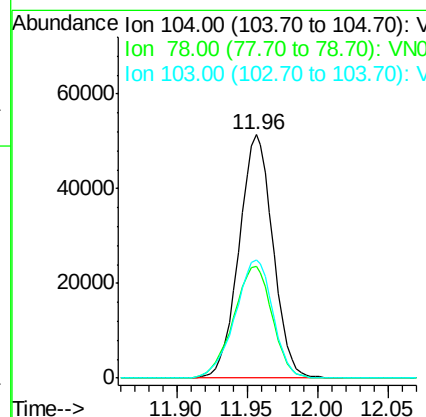
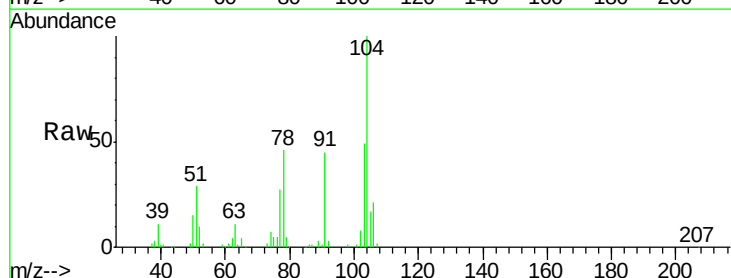
Manual Integrations
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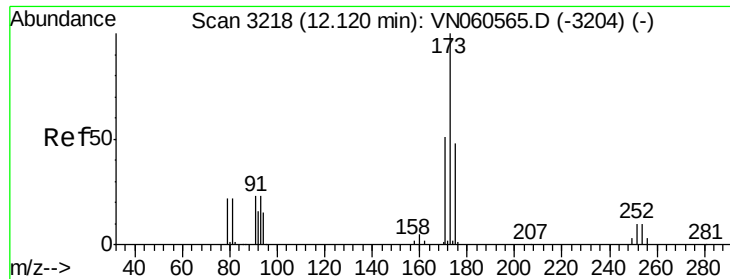
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#70
Styrene
Concen: 19.271 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		86751		
78	52.2	41.2	61.8		
103	53.7	44.0	66.0		





#71

Bromoform

Concen: 18.909 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:173 Resp: 22384

Ion Ratio Lower Upper

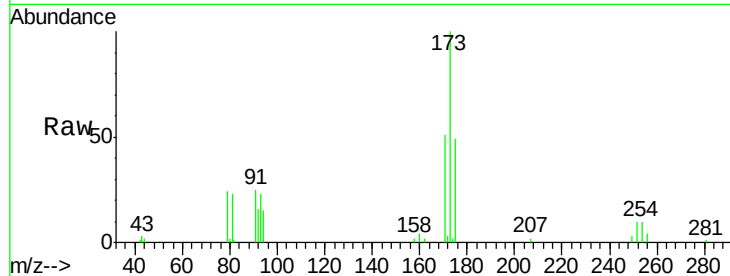
173 100

175 48.7 24.1 72.4

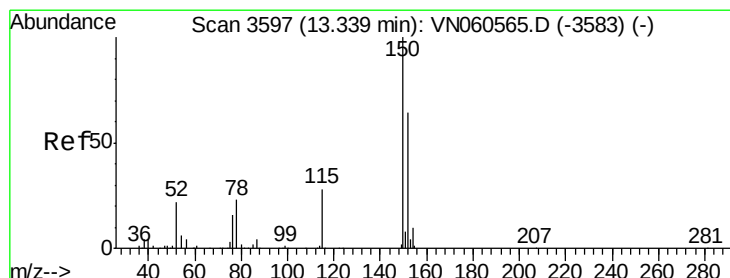
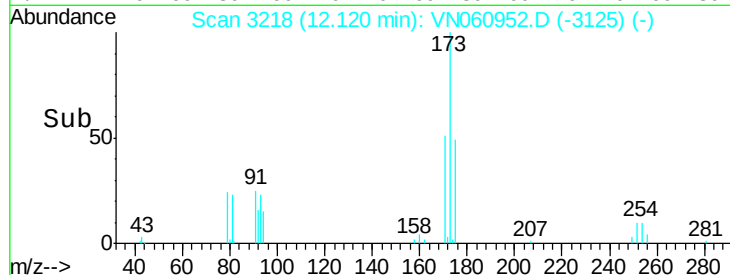
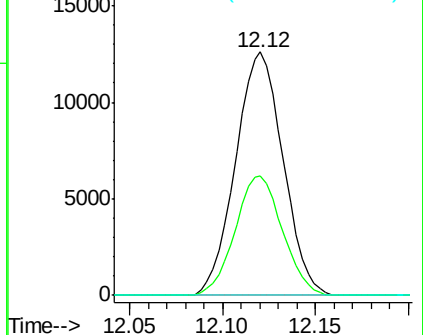
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

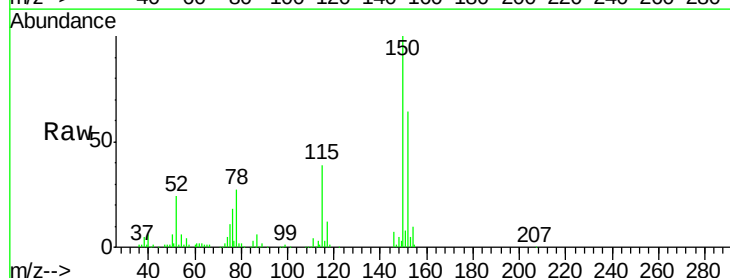
Tgt Ion:152 Resp: 99043

Ion Ratio Lower Upper

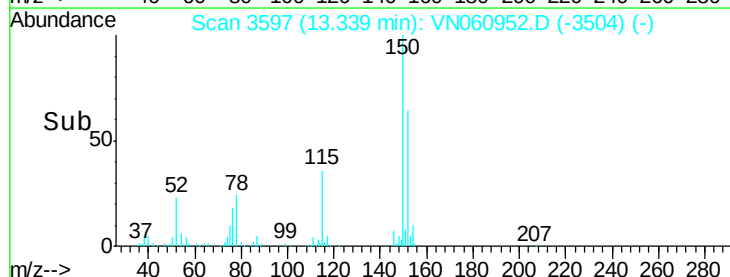
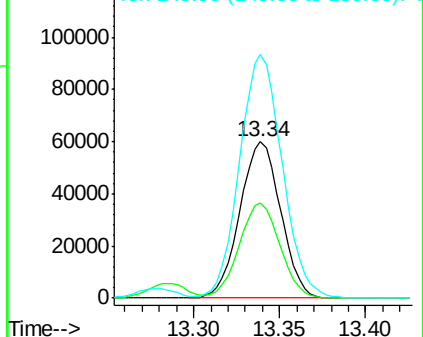
152 100

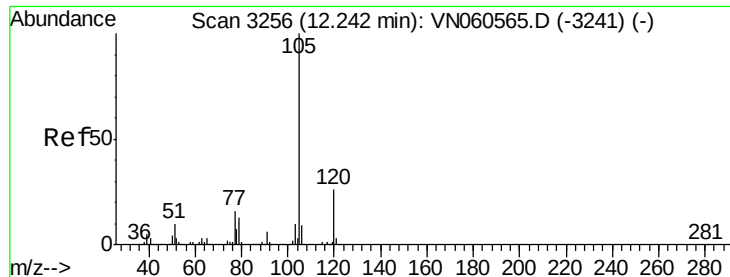
115 60.7 30.2 90.6

150 162.9 0.0 350.2



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





#73

Isopropylbenzene

Concen: 19.501 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 105 Resp: 144946

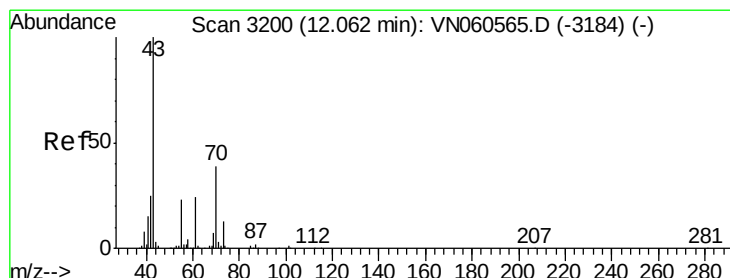
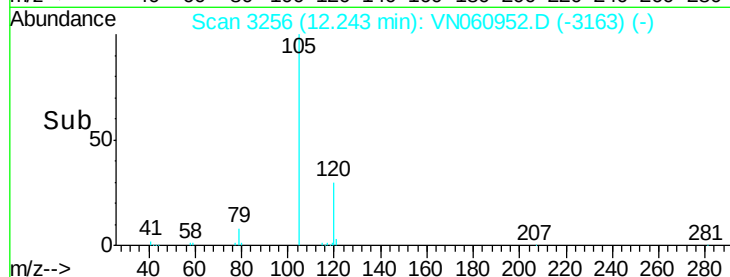
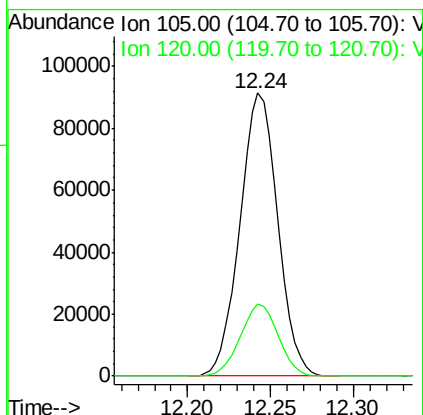
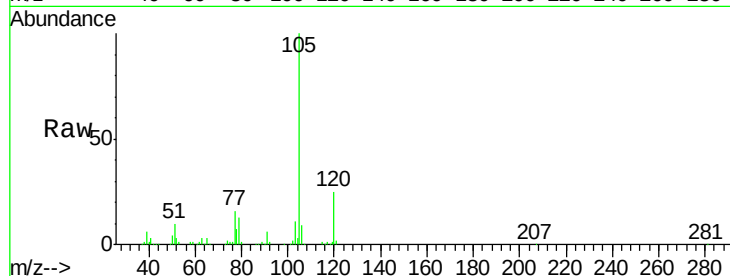
Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1

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#74

N-ethyl acetate

Concen: 19.415 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion: 43 Resp: 66684

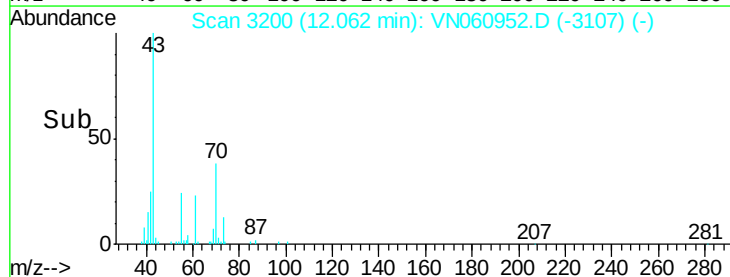
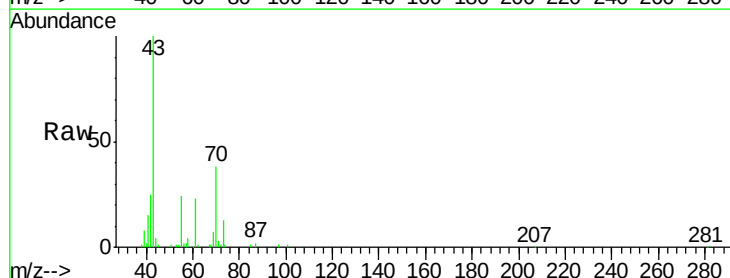
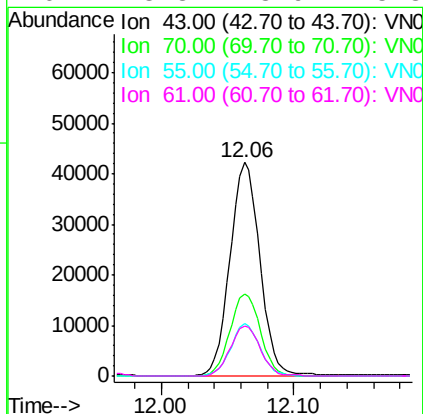
Ion Ratio Lower Upper

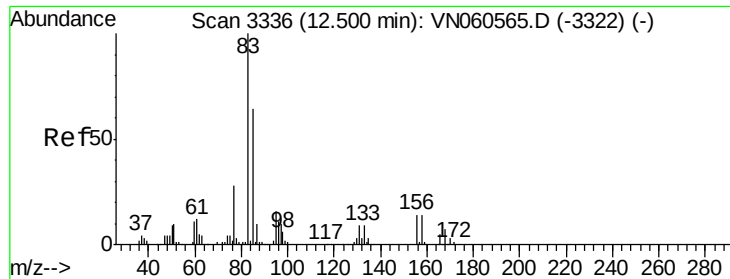
43 100

70 38.6 31.1 46.7

55 23.7 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

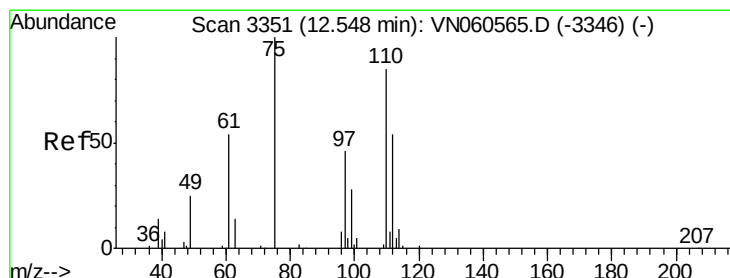
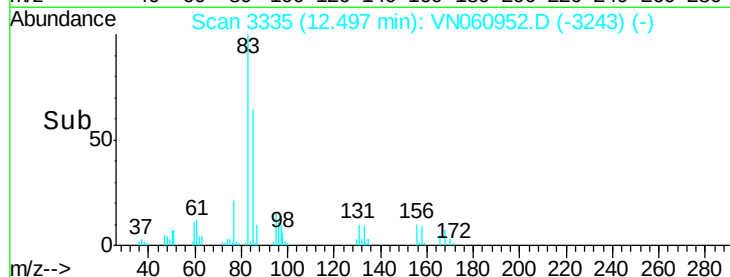
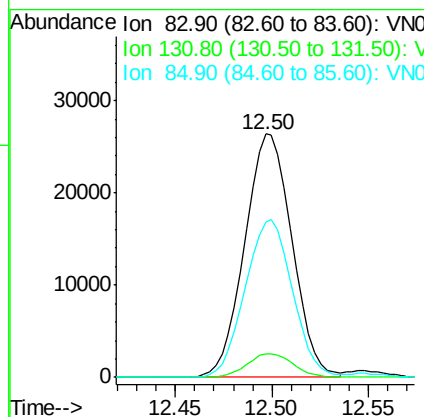
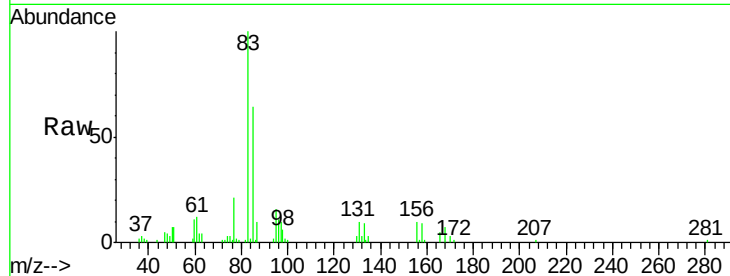
ClientSampleId :

VN0415WBS01

Tot Ion:	83	Resp:	44965
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.651 ug/l m

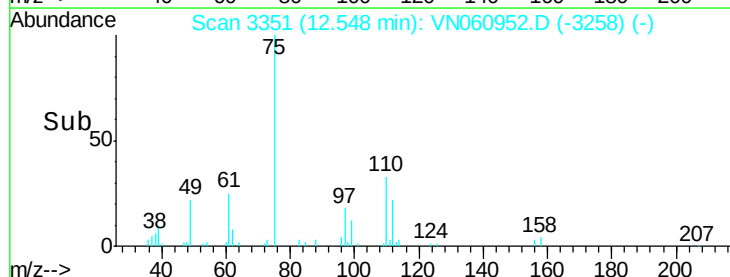
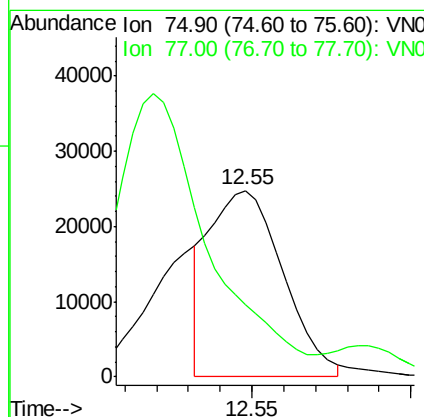
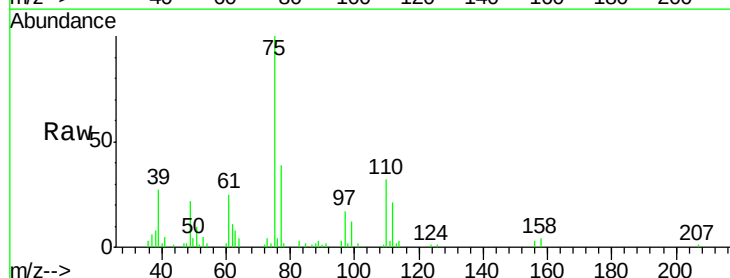
RT: 12.55 min Scan# 3351

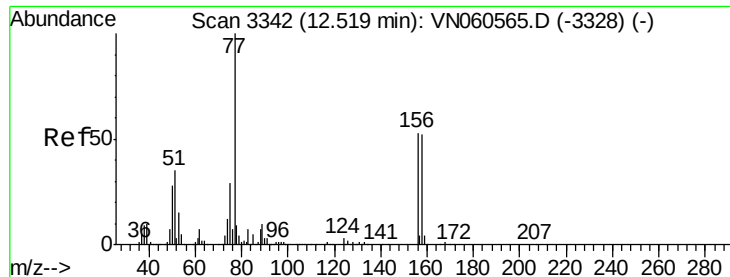
Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Tgt Ion:	75	Resp:	39860
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.705 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:156 Resp: 33501

Ion Ratio Lower Upper

156 100

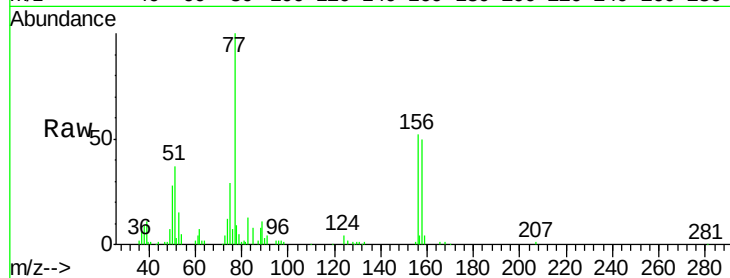
77 234.9 112.3 337.0

158 98.6 48.6 145.8

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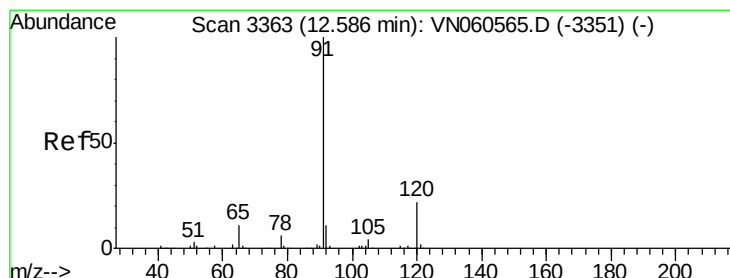
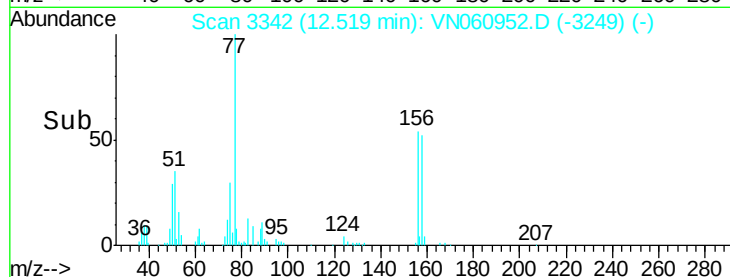
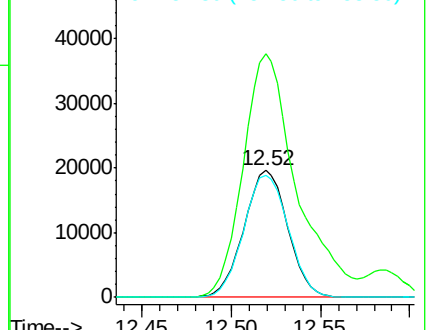
4/16/2020 11:15:53 AM



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: 19.471 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060952.D

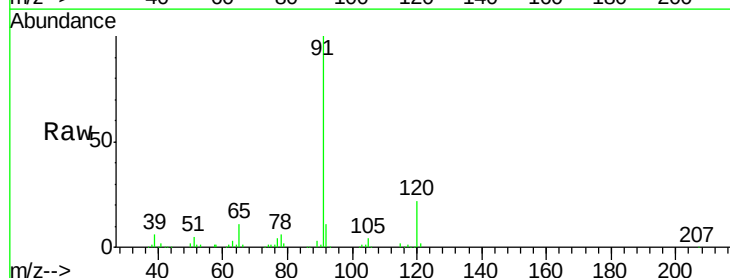
Acq: 15 Apr 2020 11:32

Tgt Ion: 91 Resp: 170984

Ion Ratio Lower Upper

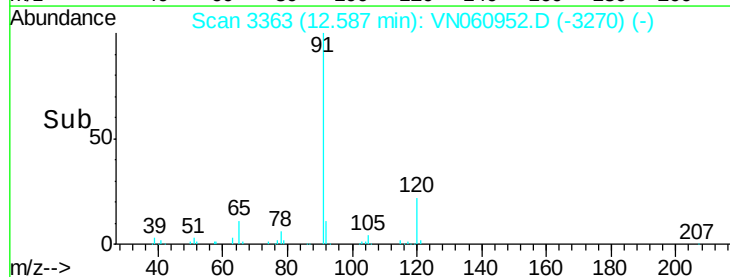
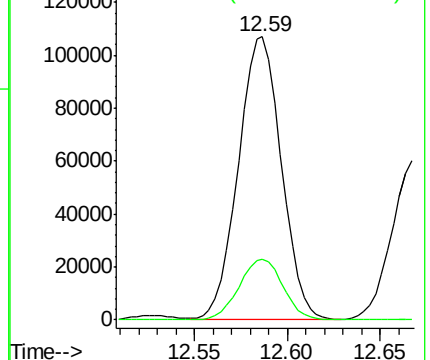
91 100

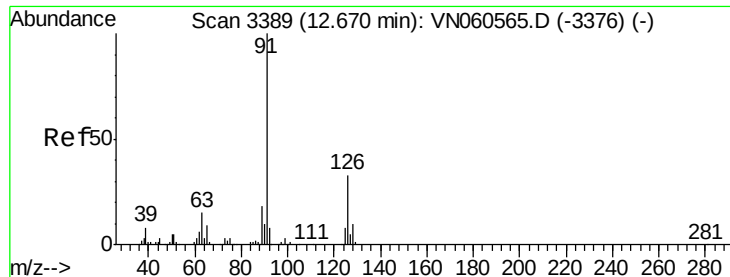
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.205 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 91 Resp: 100768

Ion Ratio Lower Upper

91 100

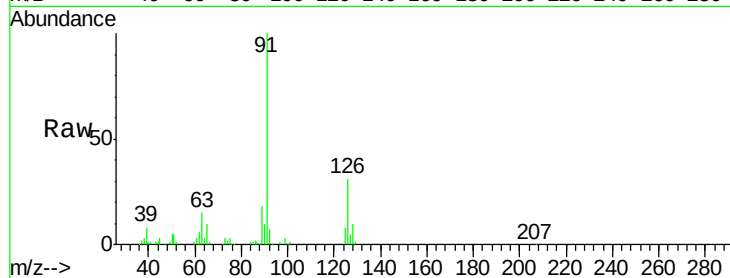
126 31.8 16.4 49.1

Manual Integrations

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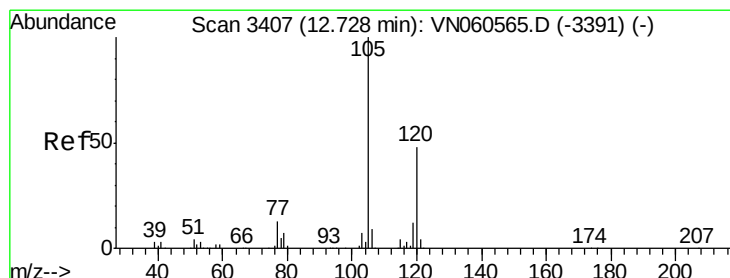
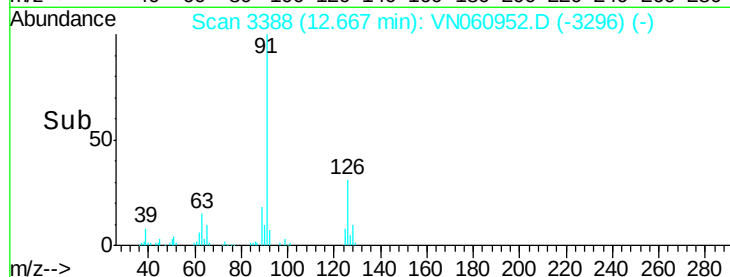
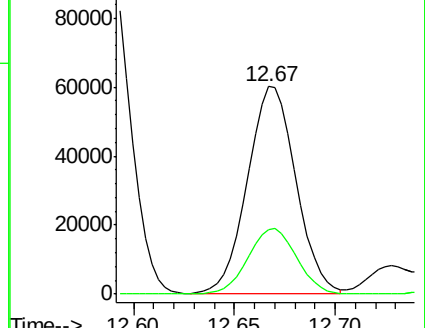
MMDadoda

4/16/2020 11:15:53 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060952.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060952.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.059 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060952.D

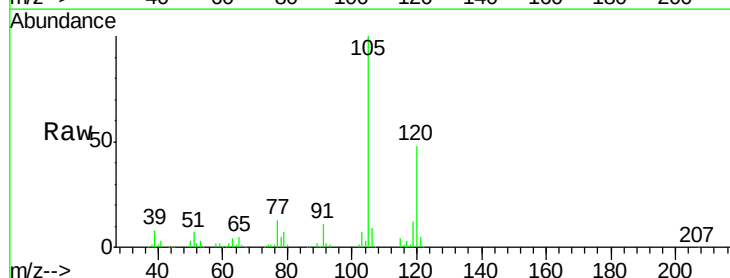
Acq: 15 Apr 2020 11:32

Tgt Ion: 105 Resp: 120220

Ion Ratio Lower Upper

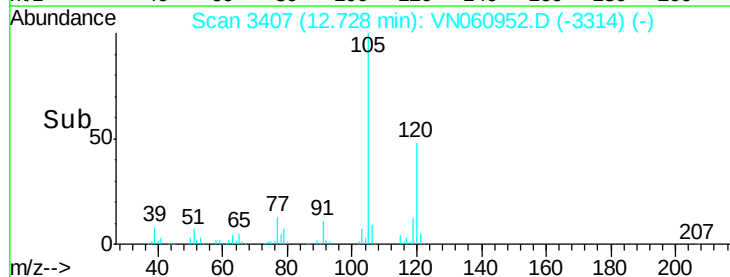
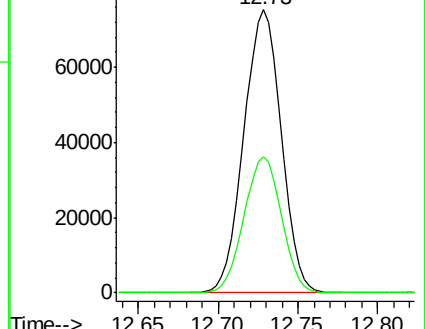
105 100

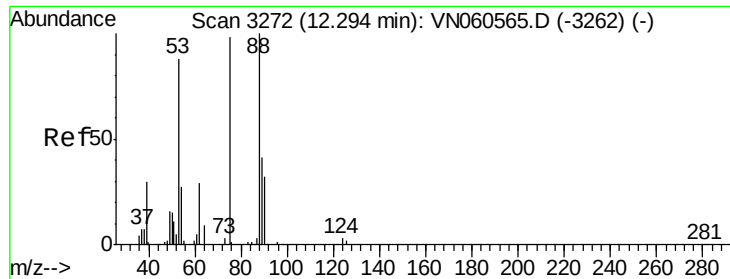
120 48.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060952.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060952.D (-3391) (-)





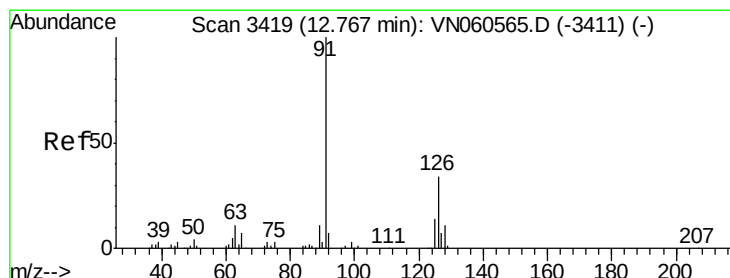
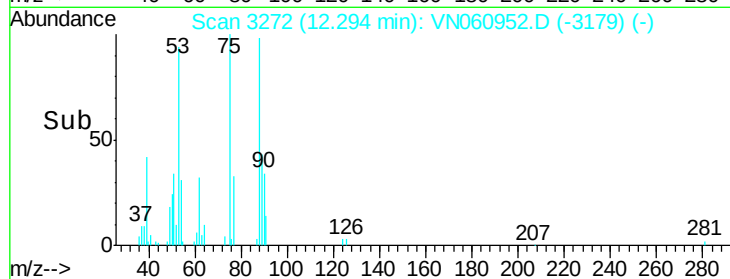
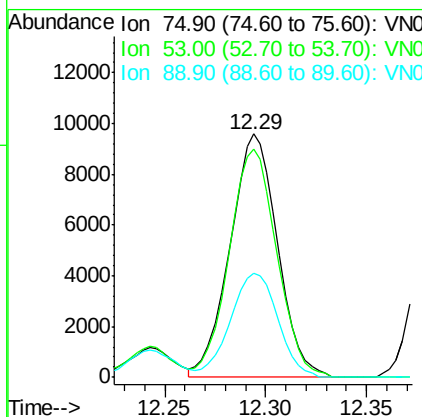
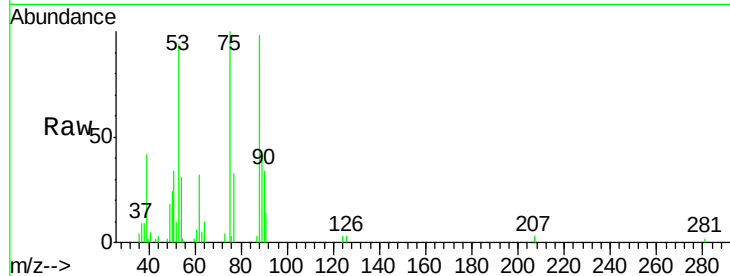
#81
trans-1,4-Dichloro-2-butene
Concen: 18.935 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.0	109.4
89	43.0	34.8	52.2

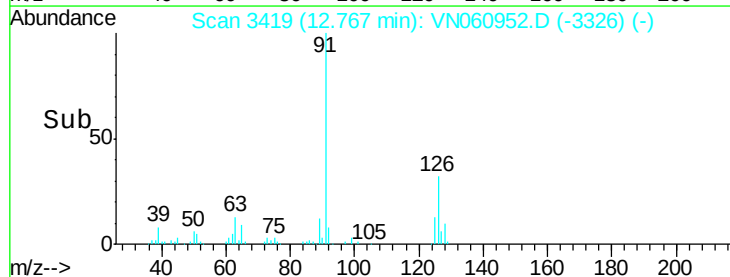
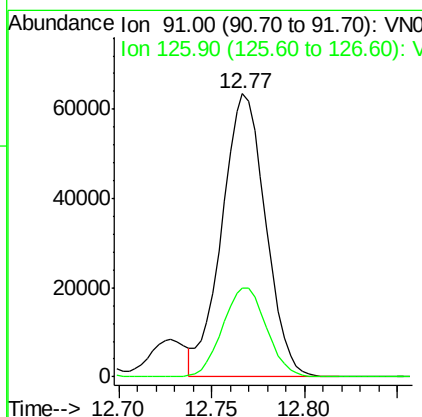
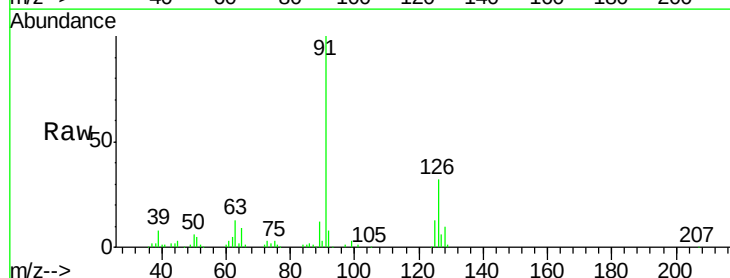
Manual Integrations
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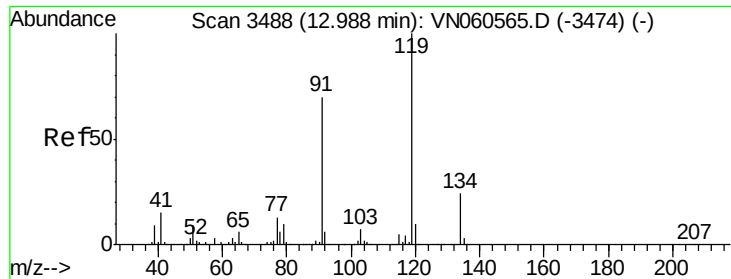
MMDadoda
4/16/2020 11:15:53 AM



#82
4-Chlorotoluene
Concen: 19.470 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.2	48.5





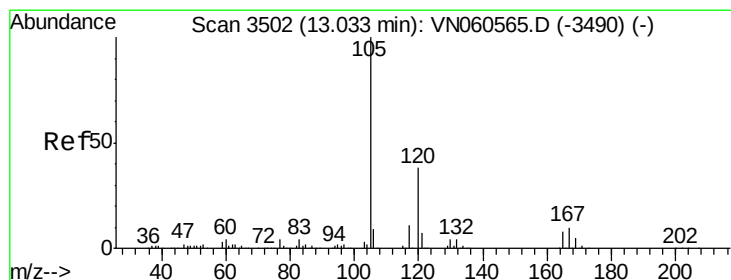
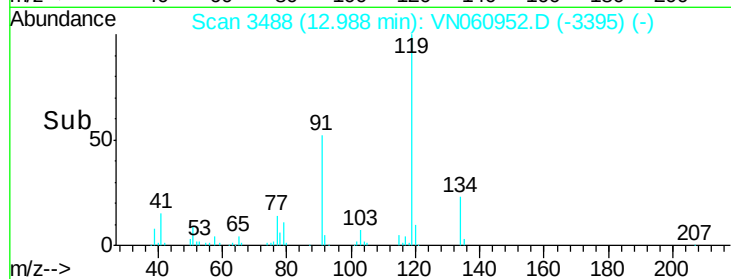
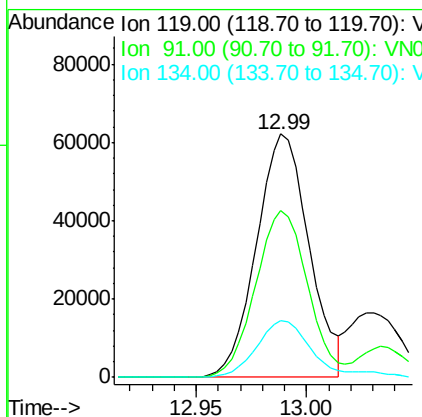
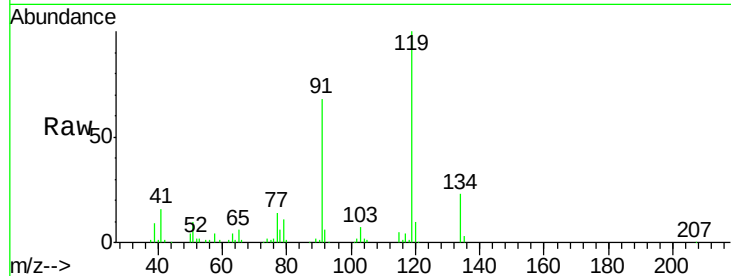
#83
tert-Butylbenzene
Concen: 19.604 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.0	101.8
134	23.6	12.7	38.0

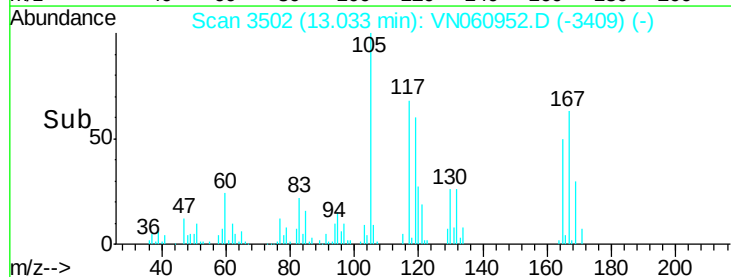
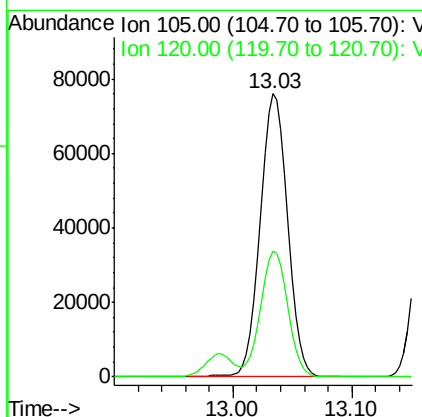
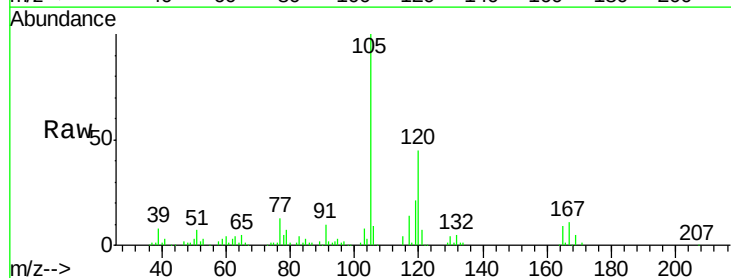
Manual Integrations
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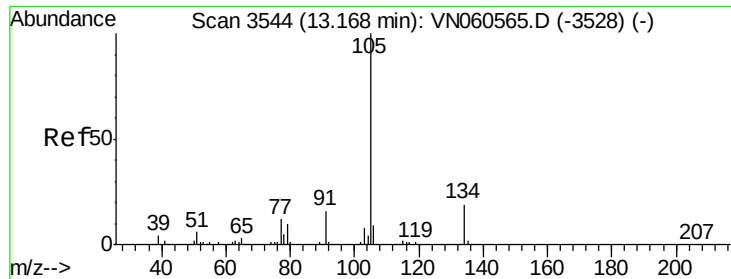
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4/16/2020 11:15:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.464 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.789 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:105 Resp: 139143

Ion Ratio Lower Upper

105 100

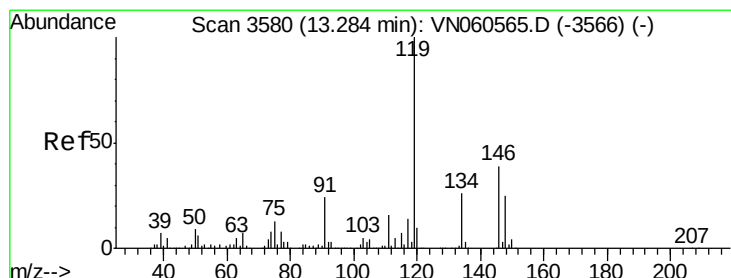
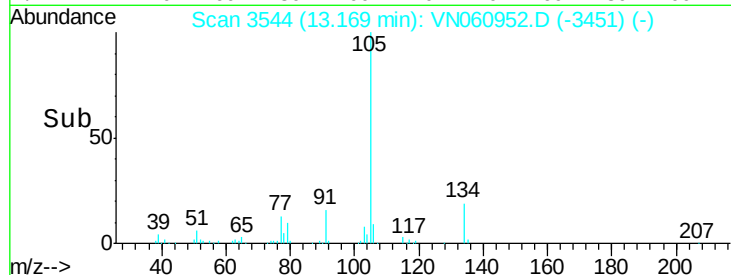
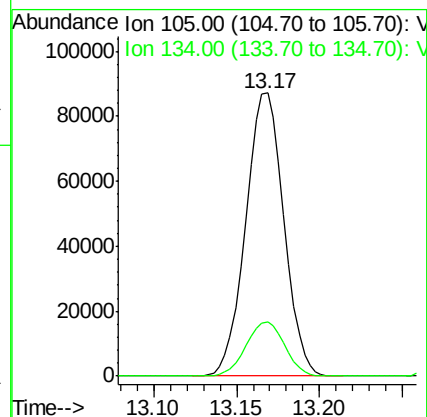
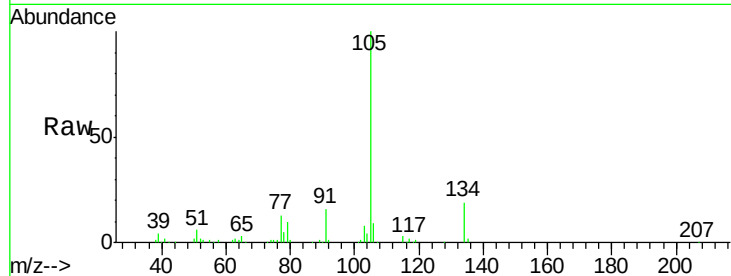
134 19.4 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.759 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060952.D

Acq: 15 Apr 2020 11:32

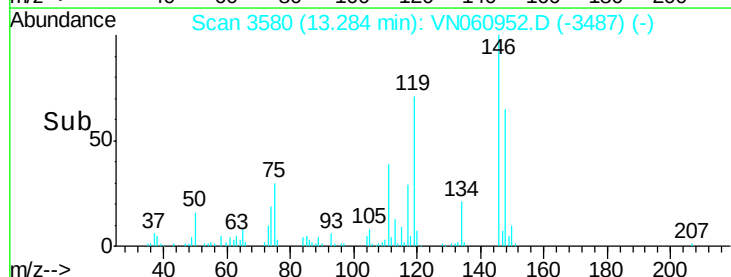
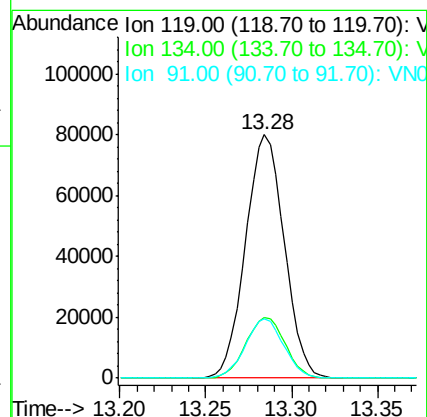
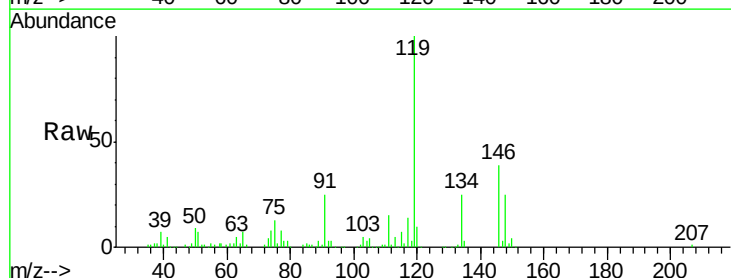
Tgt Ion:119 Resp: 124932

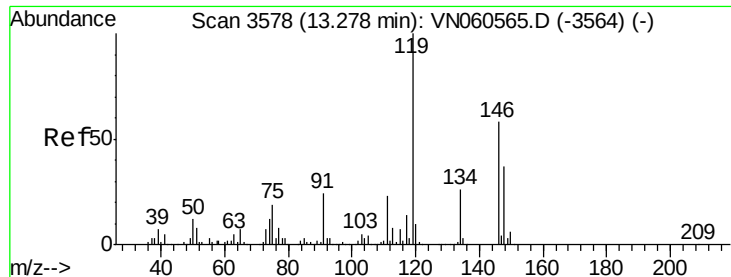
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.1 12.0 36.0





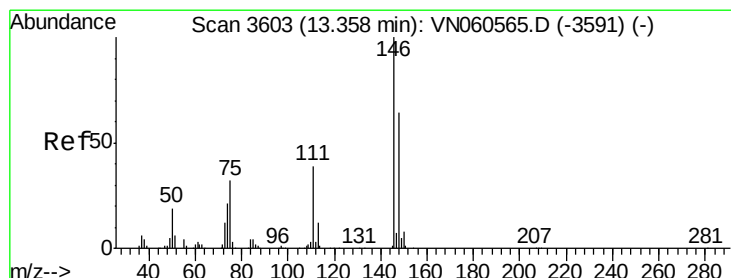
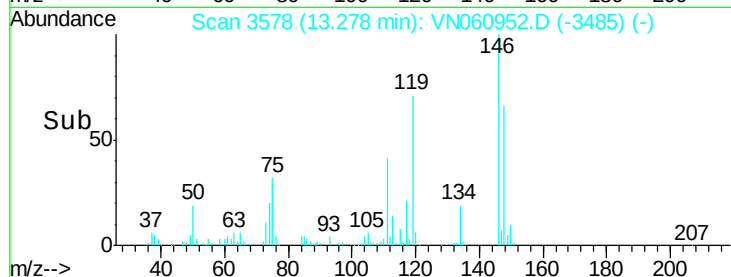
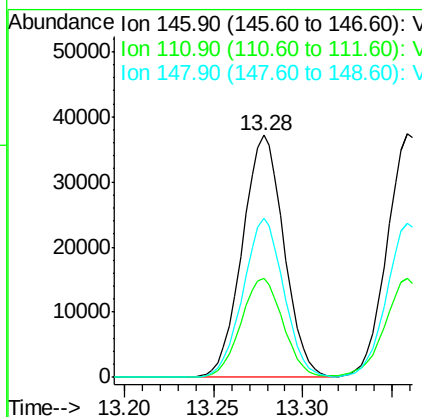
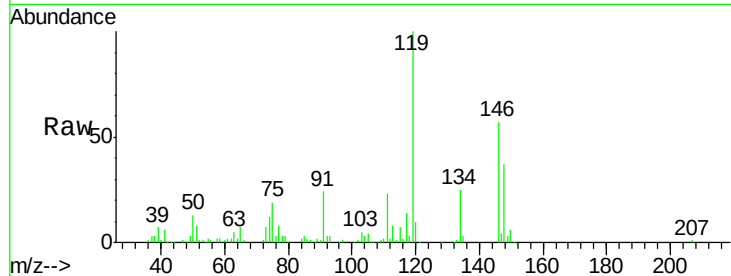
#87
 1,3-Dichlorobenzene
 Concen: 19.217 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.8
148	64.3	32.5	97.4

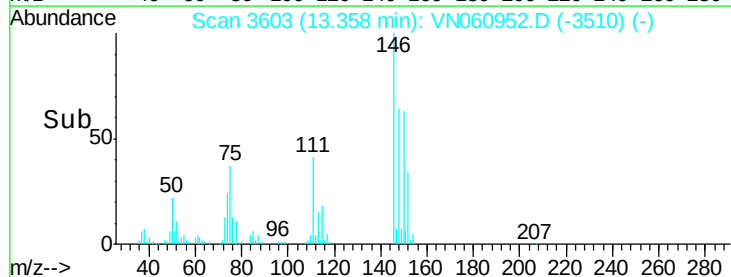
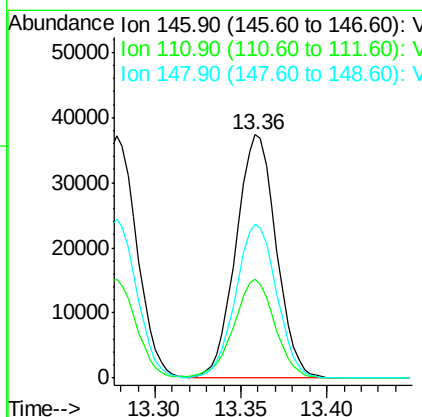
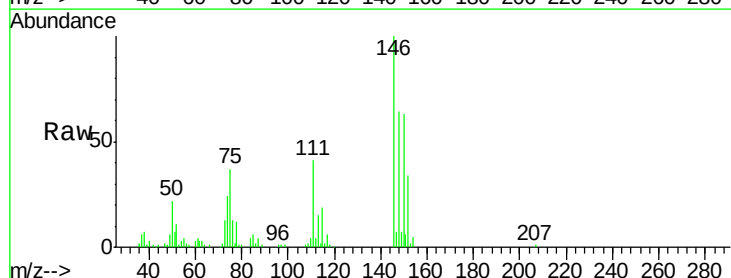
Manual Integrations
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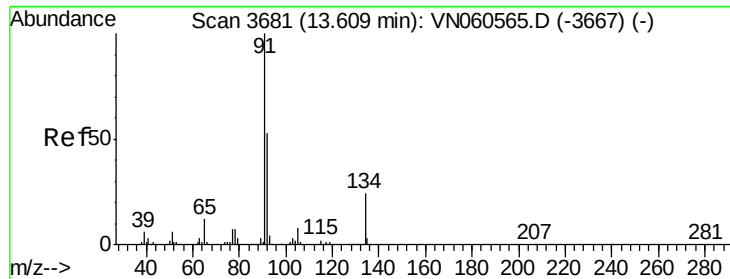
MMDadoda
 4/16/2020 11:15:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.7
148	64.5	32.1	96.3





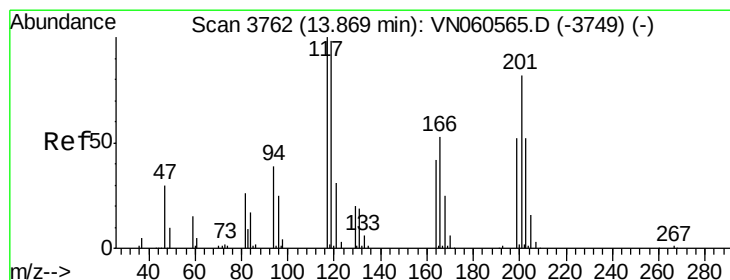
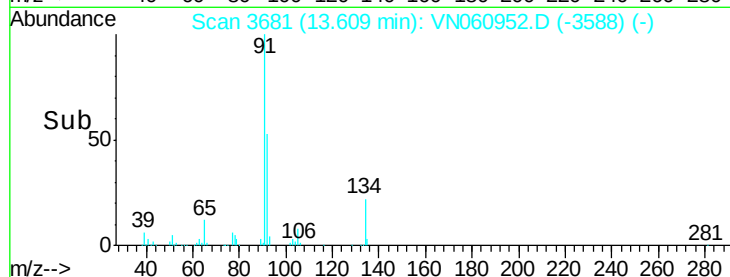
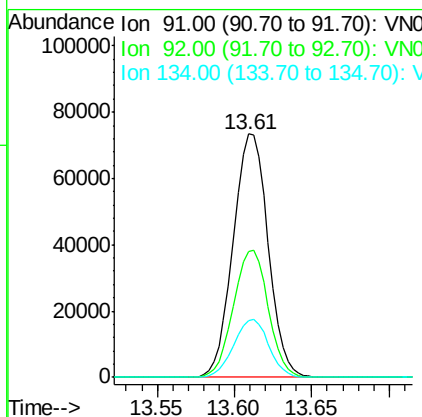
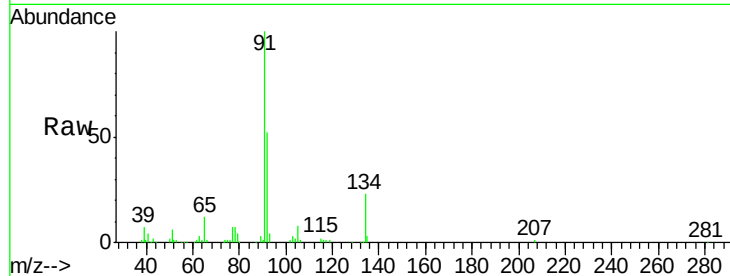
#89
n-Butylbenzene
Concen: 20.203 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	23.8	12.3	36.9

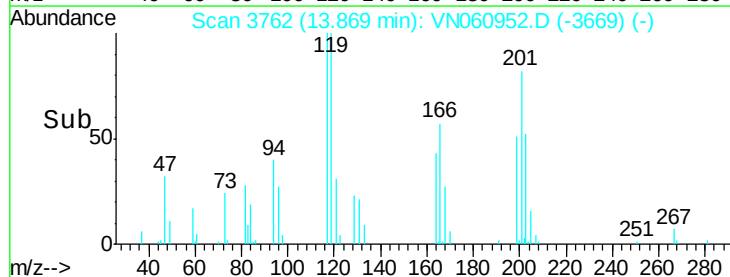
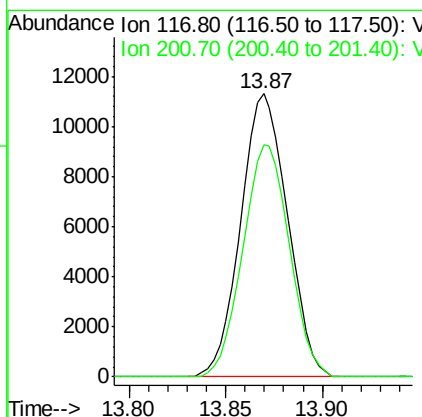
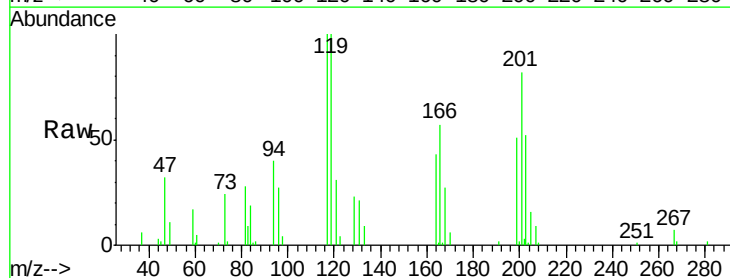
Manual Integrations
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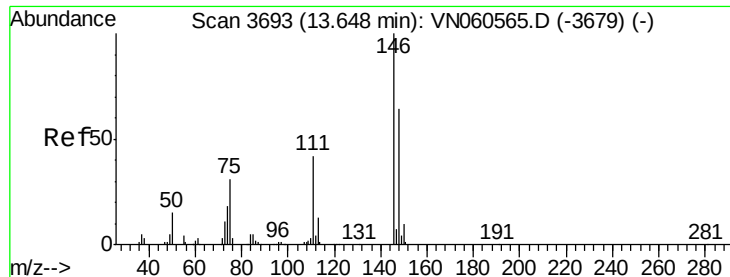
MMDadoda
4/16/2020 11:15:53 AM



#90
Hexachloroethane
Concen: 20.744 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.8	122.5





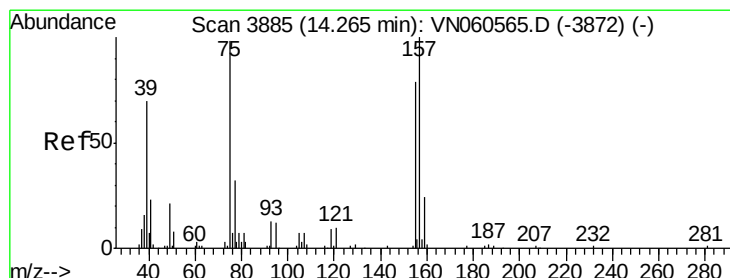
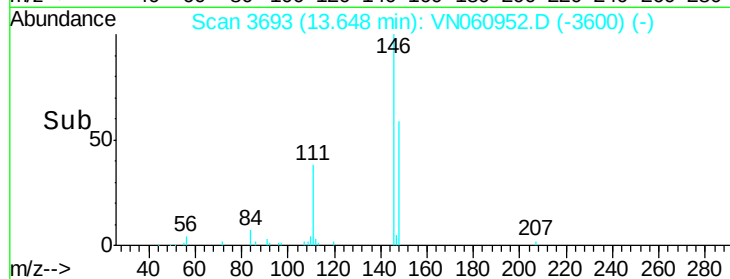
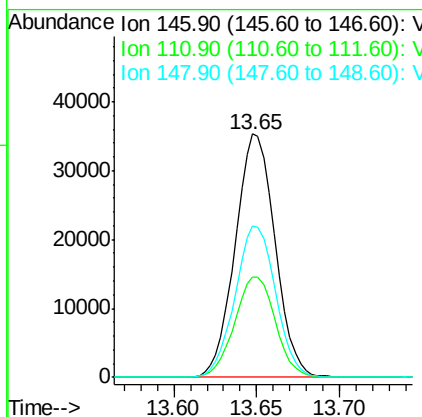
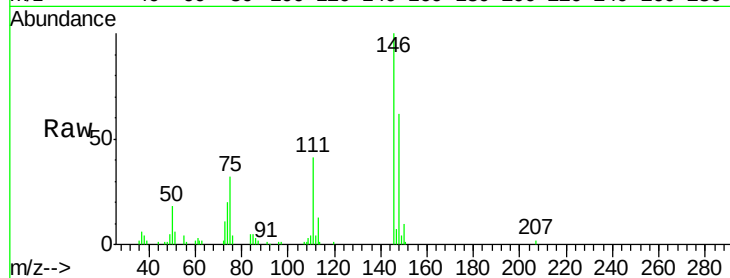
#91
 1,2-Dichlorobenzene
 Concen: 19.538 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	63.1	31.9	95.5

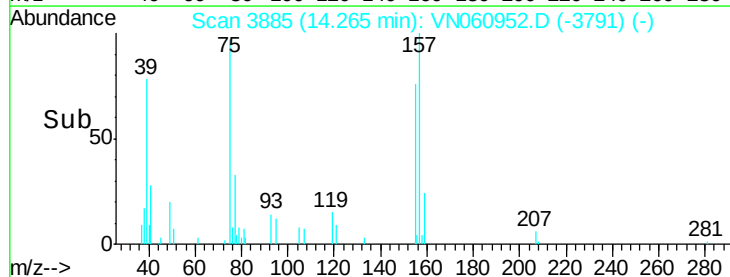
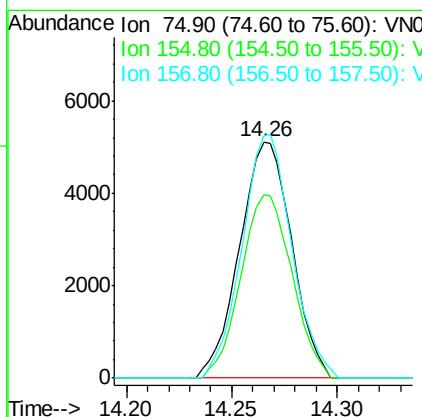
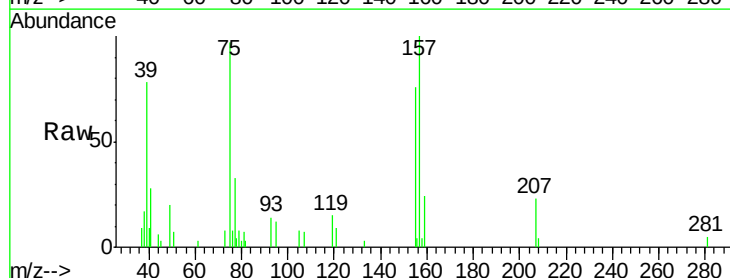
Manual Integrations
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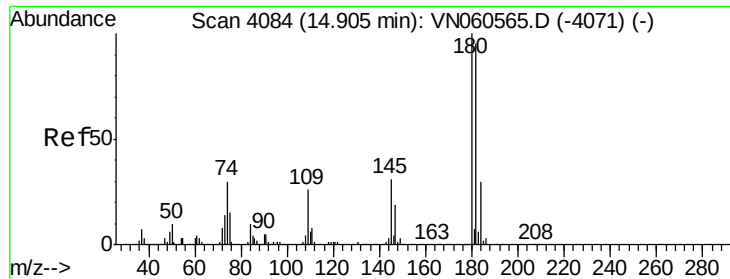
MMDadoda
 4/16/2020 11:15:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.491 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	40.7	122.1
157	98.3	51.5	154.7





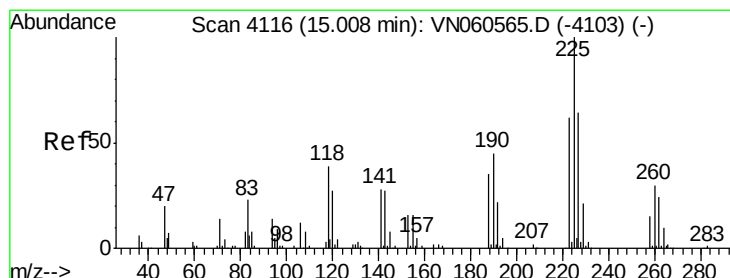
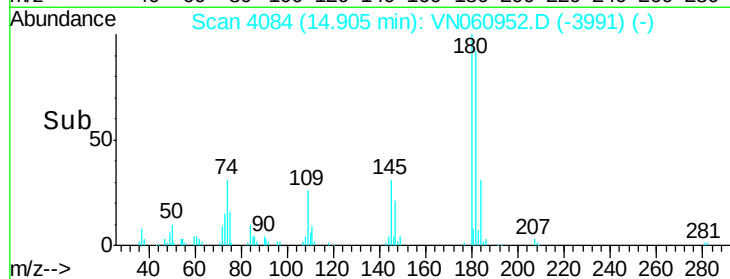
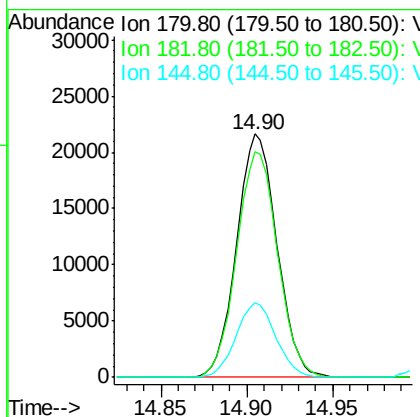
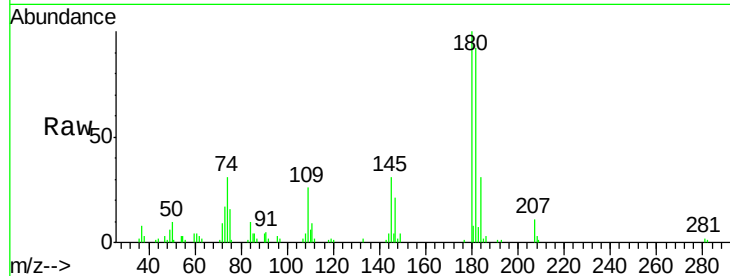
#93
 1,2,4-Trichlorobenzene
 Concen: 19.012 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	35264		
182	94.3		47.9	143.8
145	30.2		15.4	46.2

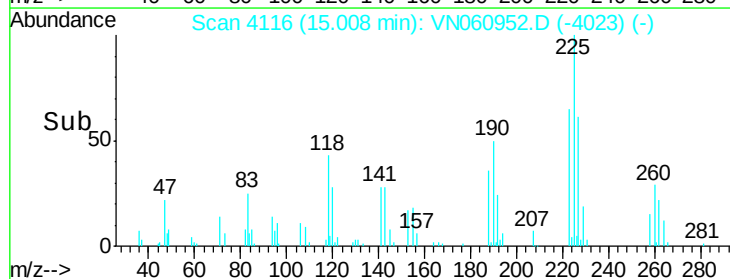
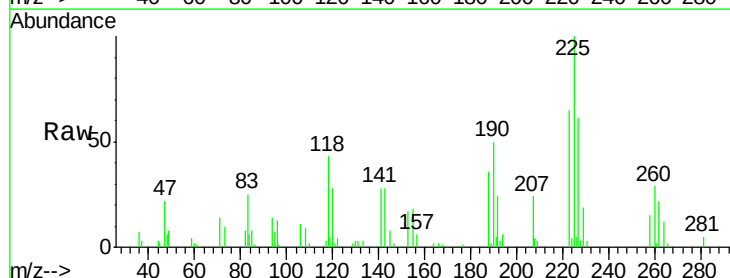
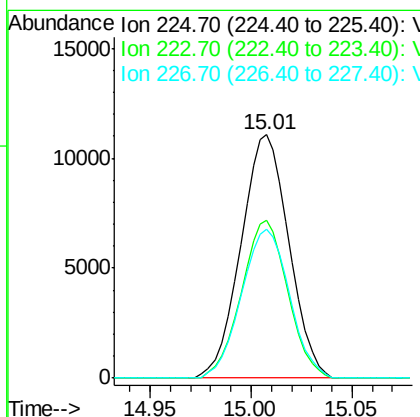
Manual Integrations
 APPROVED

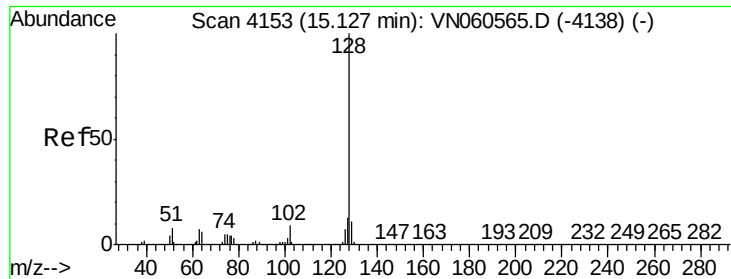
MMDadoda
 4/16/2020 11:15:53 AM



#94
 Hexachlorobutadiene
 Concen: 20.221 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060952.D
 Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18387		
223	62.6		31.6	95.0
227	61.1		32.3	96.8





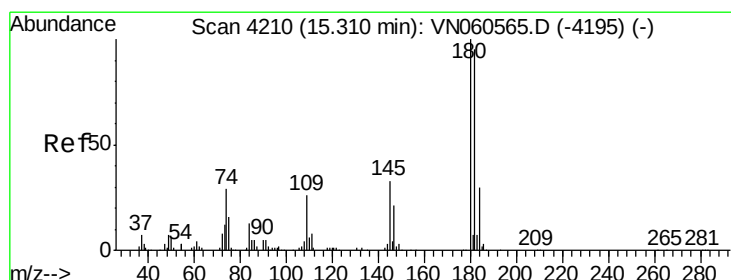
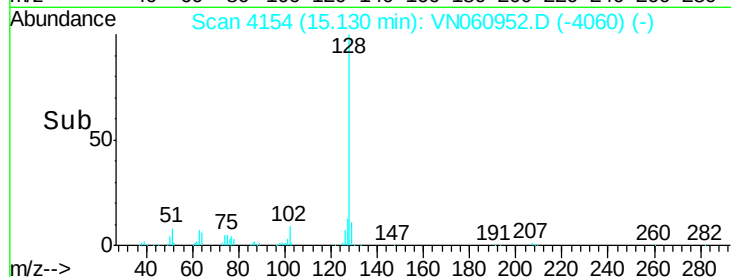
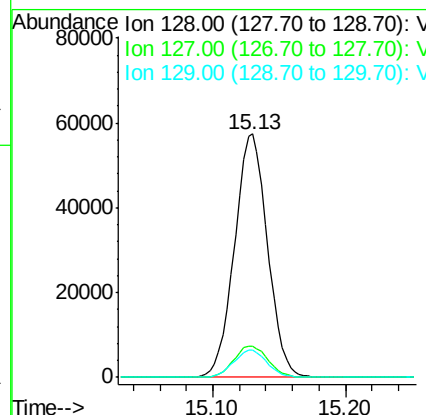
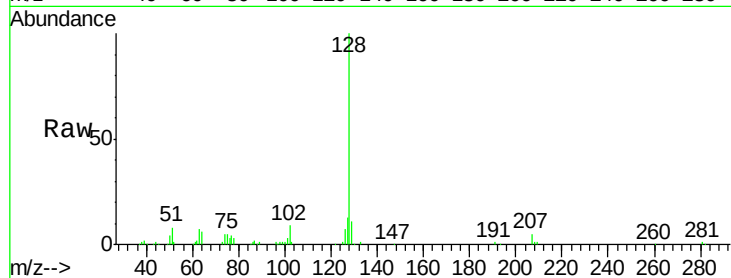
#95
Naphthalene
Concen: 17.759 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	99081		
127	13.2		10.2	15.2
129	11.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.774 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060952.D
Acq: 15 Apr 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34301		
182	94.8		47.5	142.6
145	33.2		16.3	48.8

