

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060582.D
 Acq On : 18 Mar 2020 11:31
 Operator : JC/MD
 Sample : VN0318WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:54 PM

Quant Time: Mar 19 05:48:42 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	213443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	356315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	140969	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.56	113	103973	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	10.08	98	421646	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.39	95	150349	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	39323	19.040	ug/l 100
3) Chloromethane	2.03	50	65697	17.032	ug/l 99
4) Vinyl Chloride	2.16	62	53255	17.652	ug/l 99
5) Bromomethane	2.55	94	24401	18.736	ug/l 97
6) Chloroethane	2.68	64	31450	18.096	ug/l 99
7) Trichlorofluoromethane	3.00	101	68307	18.380	ug/l 99
8) Diethyl Ether	3.38	74	28725	19.240	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	41227	19.144	ug/l 99
10) Methyl Iodide	3.93	142	40337	21.050	ug/l 100
11) Tert butyl alcohol	4.73	59	40561	94.126	ug/l 98
12) 1,1-Dichloroethene	3.71	96	41858	18.113	ug/l 98
13) Acrolein	3.57	56	41183	86.231	ug/l 99
14) Allyl chloride	4.29	41	79454	19.549	ug/l 93
15) Acrylonitrile	4.94	53	113539	89.601	ug/l 99
16) Acetone	3.78	43	96442	92.921	ug/l 100
17) Carbon Disulfide	4.03	76	128892	18.339	ug/l 99
18) Methyl Acetate	4.29	43	51862	17.752	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	145940	18.368	ug/l 98
20) Methylene Chloride	4.52	84	46878	18.361	ug/l 98
21) trans-1,2-Dichloroethene	5.00	96	45671	18.543	ug/l 98
22) Diisopropyl ether	5.91	45	160245	18.662	ug/l 97
23) Vinyl Acetate	5.86	43	661857	94.468	ug/l 100
24) 1,1-Dichloroethane	5.81	63	86739	18.530	ug/l 99
25) 2-Butanone	6.80	43	150219	89.443	ug/l 100
26) 2,2-Dichloropropane	6.79	77	73417	19.934	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	51628	18.446	ug/l 99
28) Bromochloromethane	7.17	49	41646	18.595	ug/l 97
29) Tetrahydrofuran	7.18	42	104930	88.302	ug/l 99
30) Chloroform	7.34	83	83283	18.558	ug/l 98
31) Cyclohexane	7.63	56	84607	17.928	ug/l 95
32) 1,1,1-Trichloroethane	7.54	97	71464	18.473	ug/l 99
36) 1,1-Dichloropropene	7.77	75	64810	18.784	ug/l 99
37) Ethyl Acetate	6.89	43	67185	18.022	ug/l 98
38) Carbon Tetrachloride	7.75	117	57192	18.495	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	77496	18.901	ug/l	99
40) Benzene	8.02	78	194295	18.655	ug/l	100
41) Methacrylonitrile	7.14	41	27027m	16.987	ug/l	
42) 1,2-Dichloroethane	8.10	62	68493	19.242	ug/l	99
43) Isopropyl Acetate	8.14	43	112693	18.329	ug/l	99
44) Trichloroethene	8.82	130	50719	19.317	ug/l	96
45) 1,2-Dichloropropane	9.10	63	52079	18.950	ug/l	99
46) Dibromomethane	9.19	93	31915	19.208	ug/l	99
47) Bromodichloromethane	9.38	83	64833	18.778	ug/l	98
48) Methyl methacrylate	9.18	41	48642	17.769	ug/l	99
49) 1,4-Dioxane	9.18	88	14560	447.490	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	322396	92.149	ug/l	99
52) Toluene	10.14	92	118496	18.838	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	76139	19.198	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	82571	18.978	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45514	18.808	ug/l	99
56) Ethyl methacrylate	10.42	69	69673	18.465	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80662	19.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	179432	95.680	ug/l	100
59) 2-Hexanone	10.74	43	228426	90.636	ug/l	99
60) Dibromochloromethane	10.89	129	47071	18.831	ug/l	100
61) 1,2-Dibromoethane	11.00	107	45969	18.891	ug/l	99
64) Tetrachloroethene	10.62	164	49424	19.555	ug/l	98
65) Chlorobenzene	11.43	112	119998	18.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44240	19.190	ug/l	99
67) Ethyl Benzene	11.50	91	223670	18.890	ug/l	99
68) m/p-Xylenes	11.61	106	166449	37.828	ug/l	98
69) o-Xylene	11.94	106	80719	19.217	ug/l	99
70) Styrene	11.96	104	126764	18.452	ug/l	99
71) Bromoform	12.12	173	32261	17.952	ug/l #	100
73) Isopropylbenzene	12.24	105	213363	19.270	ug/l	100
74) N-amyl acetate	12.06	43	96039	18.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	62022	18.523	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56210m	17.656	ug/l	
77) Bromobenzene	12.52	156	50106	18.780	ug/l	99
78) n-propylbenzene	12.58	91	248791	19.019	ug/l	100
79) 2-Chlorotoluene	12.67	91	146960	18.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	178037	18.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	23047	18.592	ug/l	98
82) 4-Chlorotoluene	12.77	91	152701	19.182	ug/l	99
83) tert-Butylbenzene	12.99	119	147928	18.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	176934	19.034	ug/l	100
85) sec-Butylbenzene	13.17	105	200892	19.180	ug/l	100
86) p-Isopropyltoluene	13.28	119	180534	19.168	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	90765	19.288	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	89220	18.872	ug/l	98
89) n-Butylbenzene	13.61	91	161202	18.957	ug/l	100
90) Hexachloroethane	13.87	117	25907	18.923	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	86149	19.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12179	17.190	ug/l	96

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52770	19.098	ug/l	96
94) Hexachlorobutadiene	15.01	225	26945	19.892	ug/l	98
95) Naphthalene	15.13	128	147827	17.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49959	18.356	ug/l	99

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

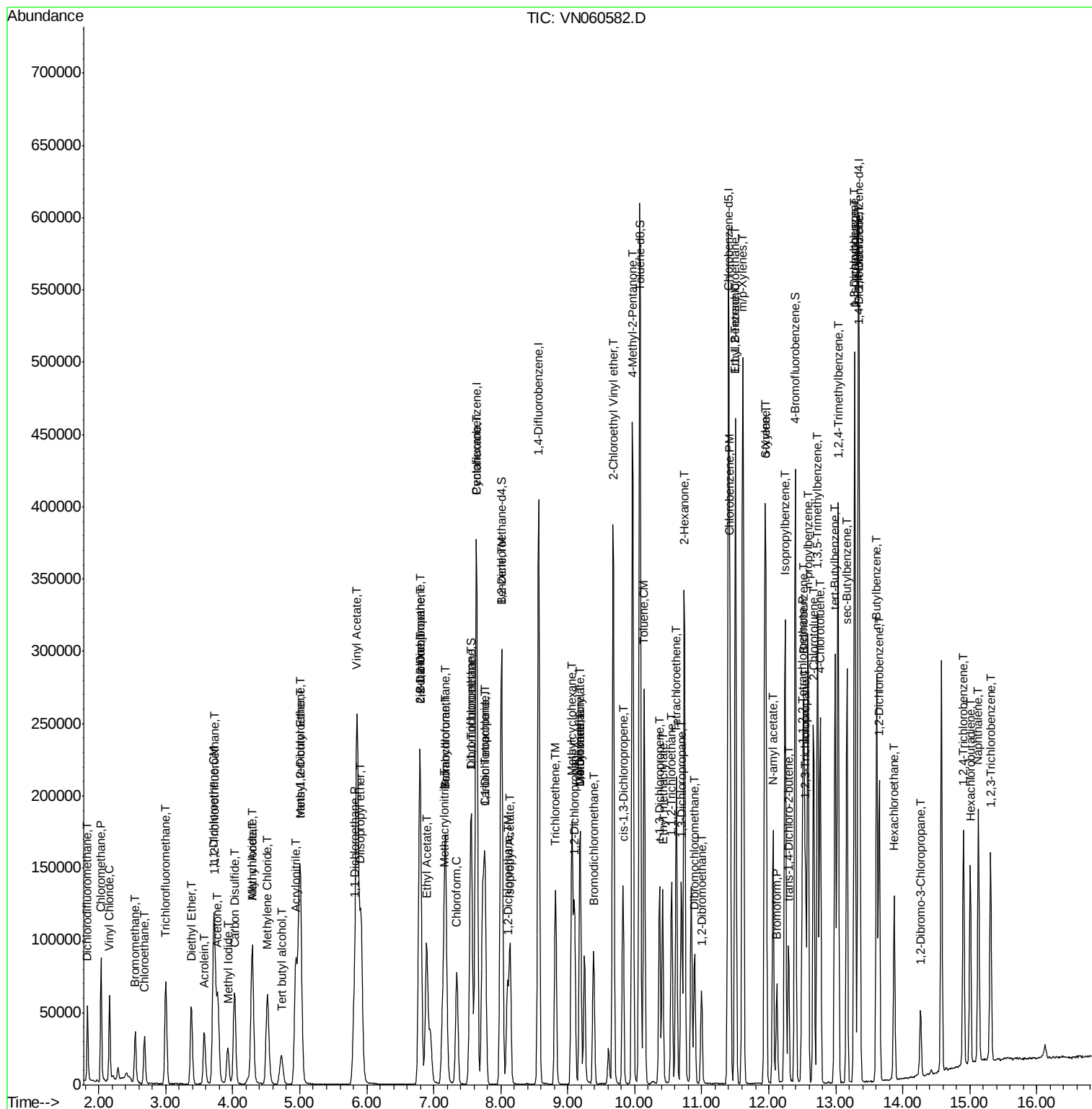
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060582.D
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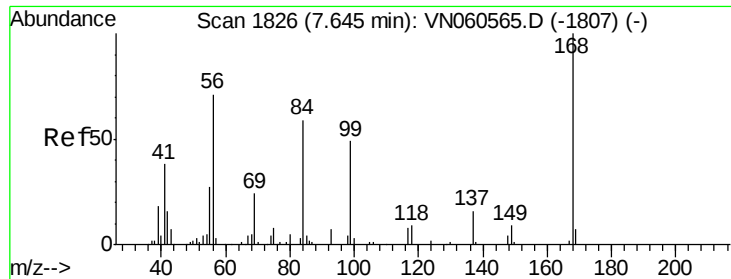
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion:168 Resp: 213443

Ion Ratio Lower Upper

168 100

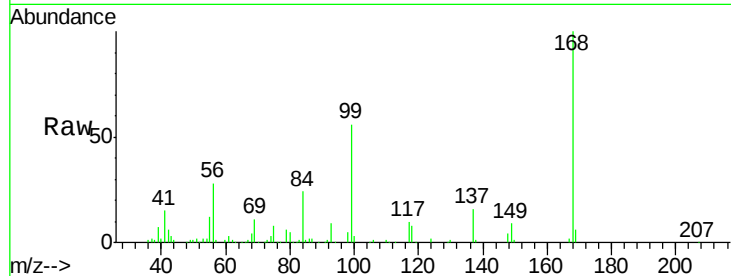
99 55.7 44.0 66.0

Manual Integrations

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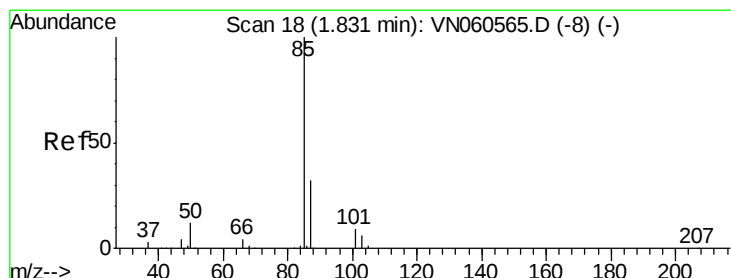
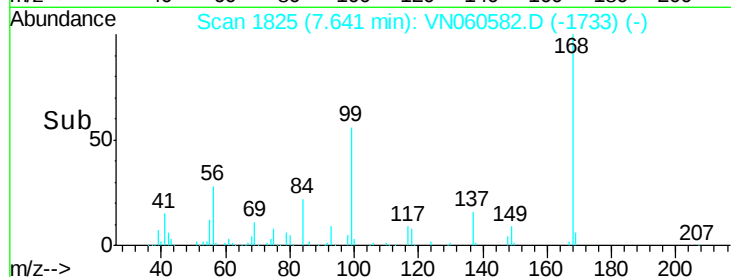
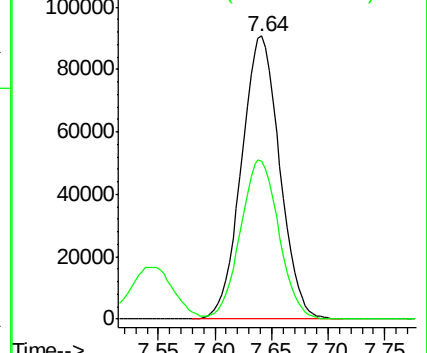
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.040 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060582.D

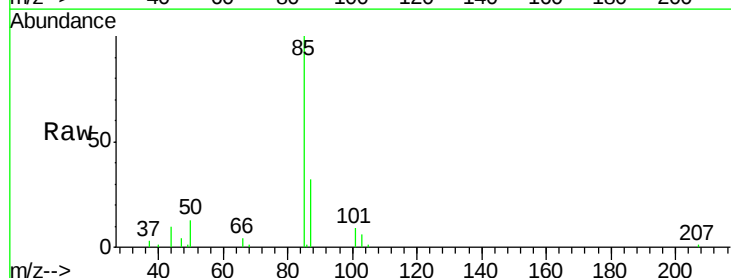
Acq: 18 Mar 2020 11:31

Tgt Ion: 85 Resp: 39323

Ion Ratio Lower Upper

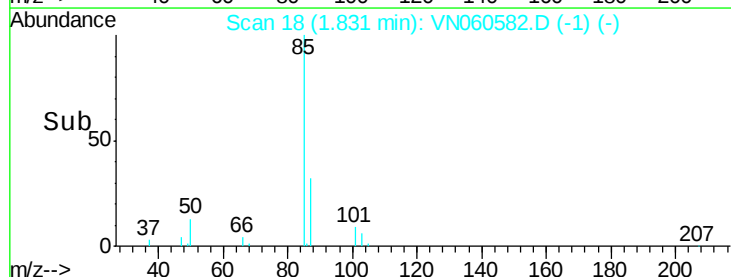
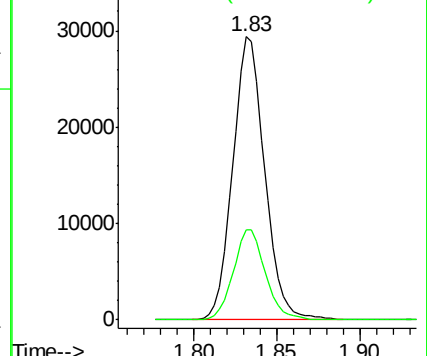
85 100

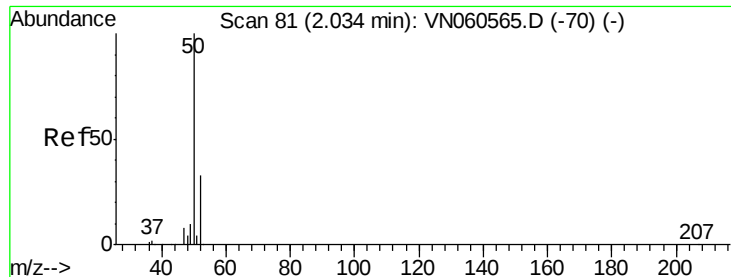
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.032 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 50 Resp: 65697

Ion Ratio Lower Upper

50 100

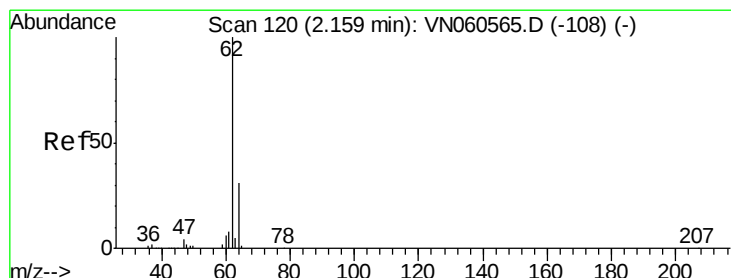
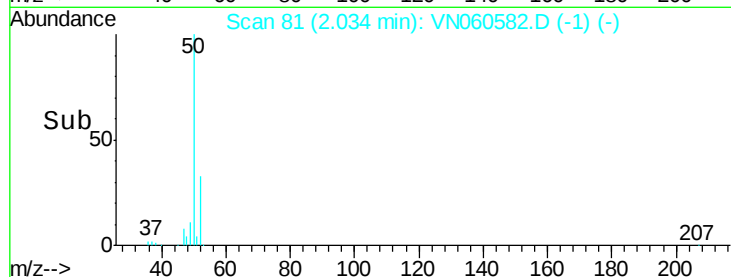
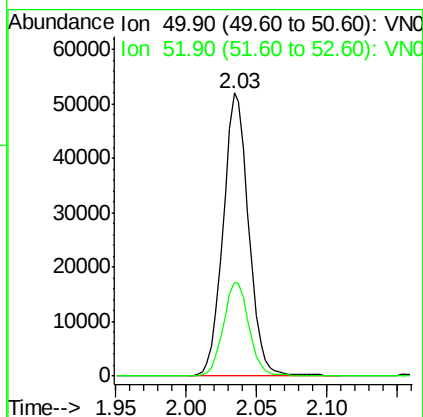
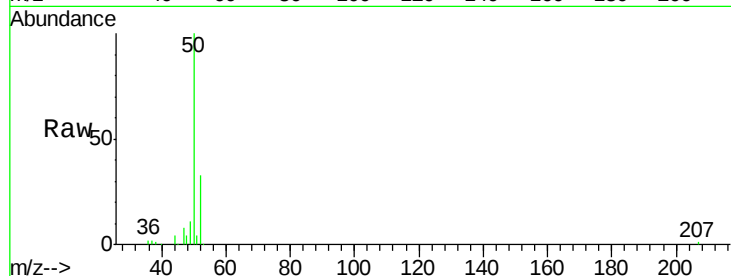
52 33.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.652 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060582.D

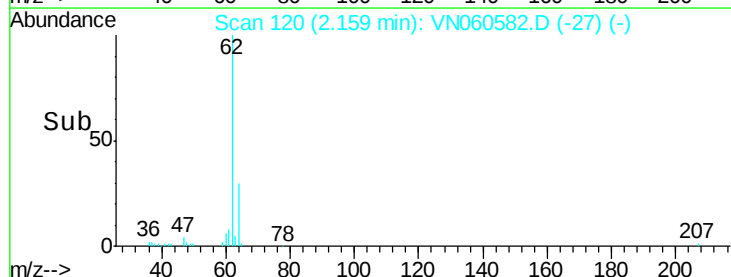
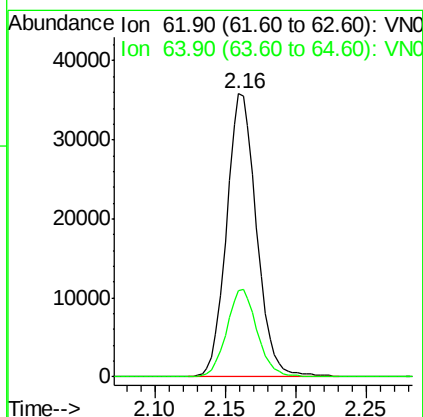
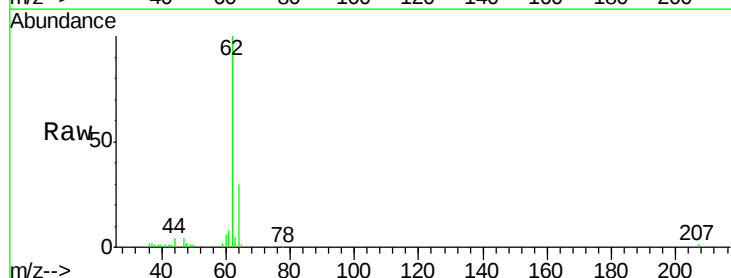
Acq: 18 Mar 2020 11:31

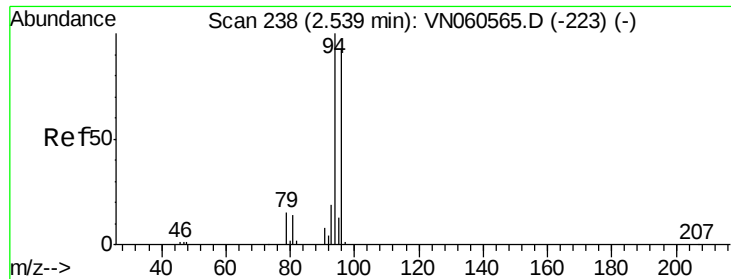
Tgt Ion: 62 Resp: 53255

Ion Ratio Lower Upper

62 100

64 30.4 24.7 37.1





#5

Bromomethane

Concen: 18.736 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

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Tot Ion: 94 Resp: 24401

Ion Ratio Lower Upper

94 100

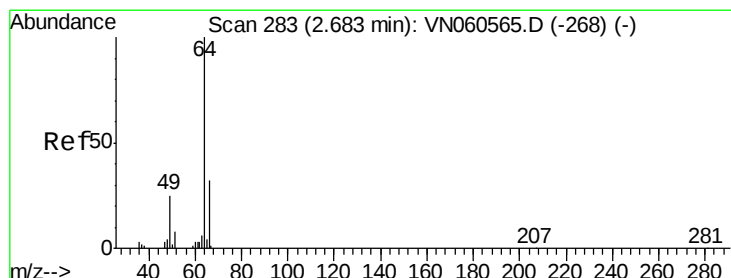
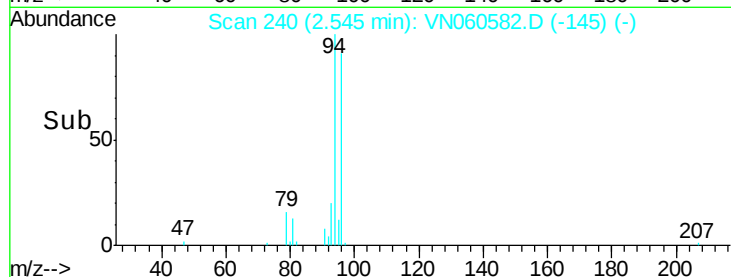
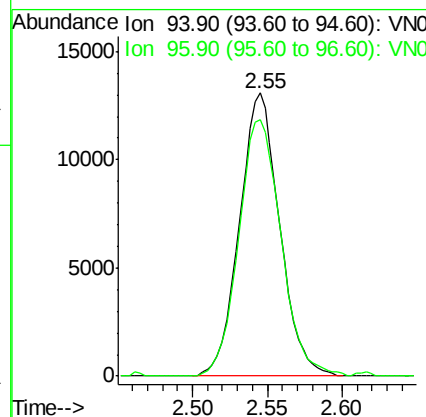
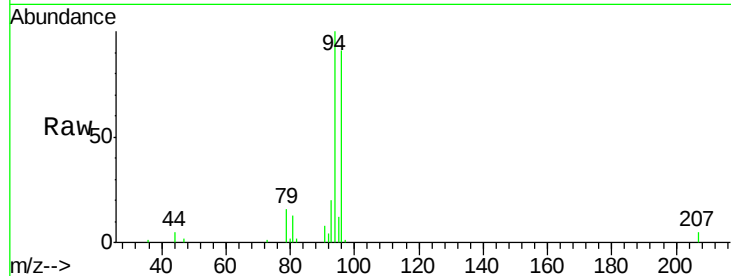
96 90.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.096 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060582.D

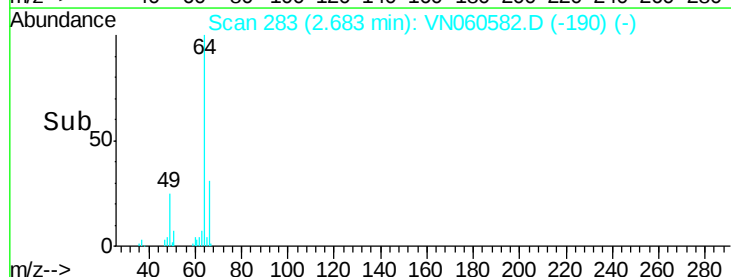
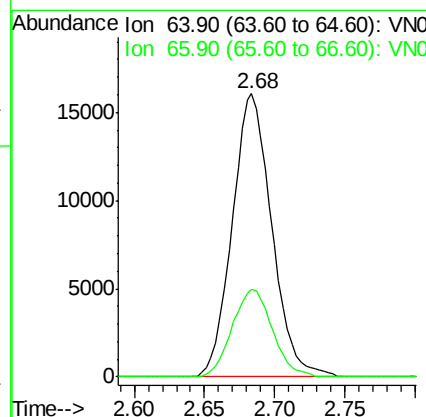
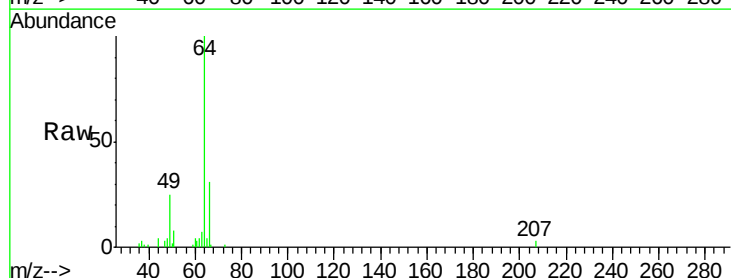
Acq: 18 Mar 2020 11:31

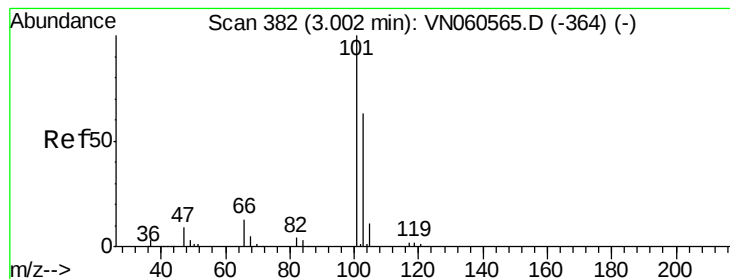
Tgt Ion: 64 Resp: 31450

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

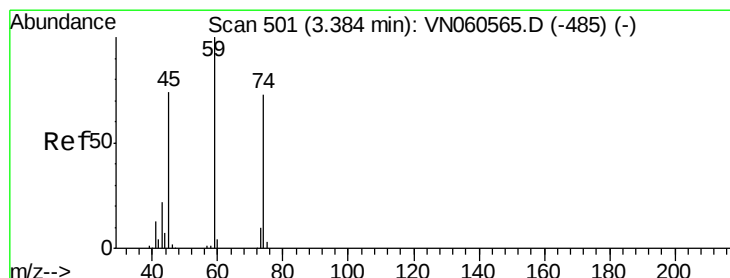
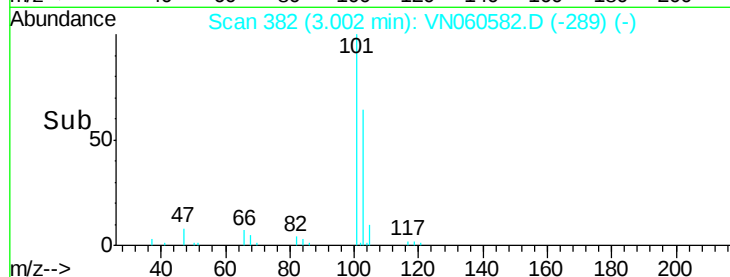
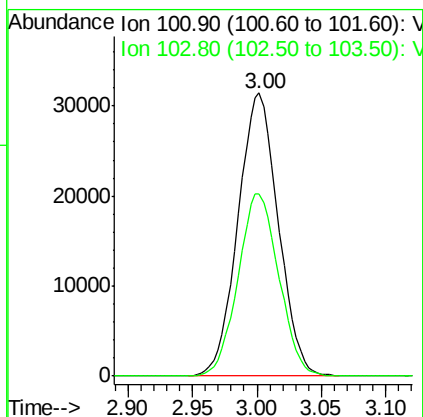
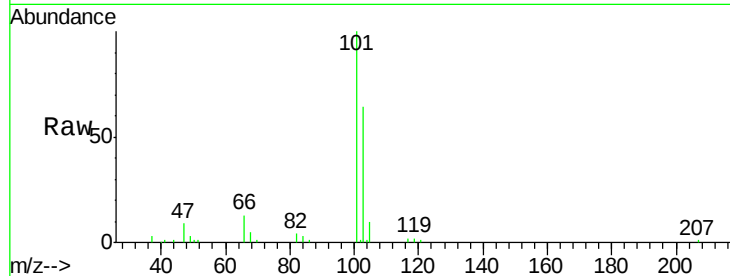
Trichlorofluoromethane
 Concen: 18.380 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
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 VN0318WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		68307		
103	64.2	50.6	76.0		

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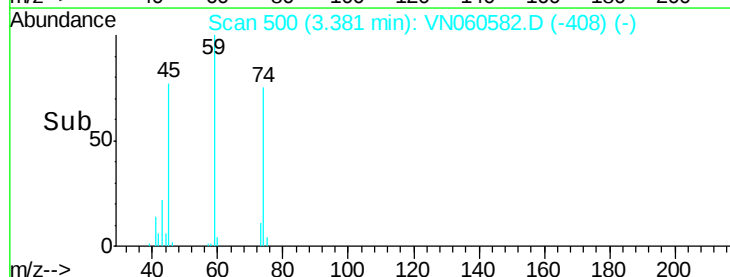
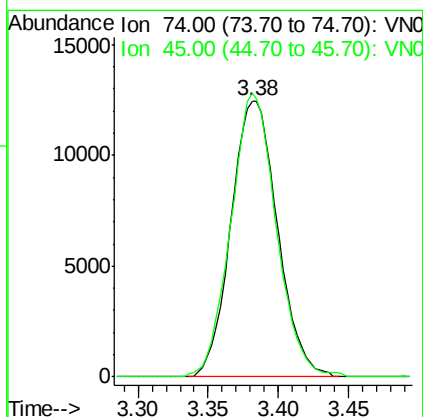
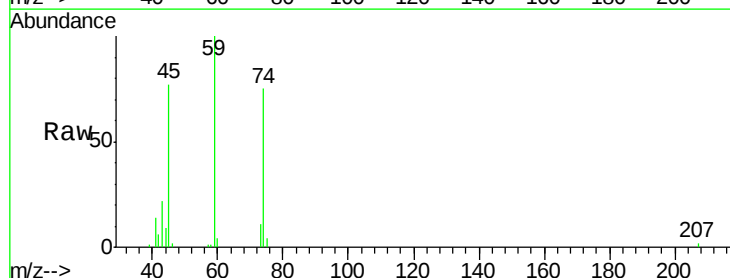
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#8

Diethyl Ether
 Concen: 19.240 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28725		
45	100.4	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.144 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

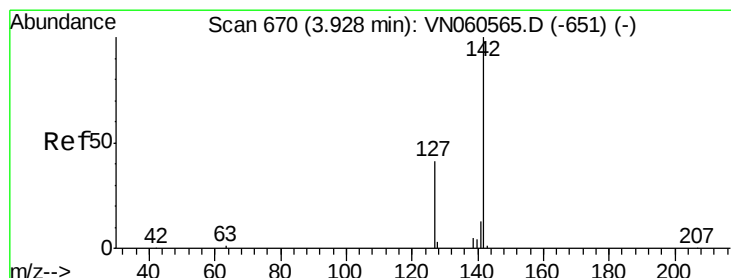
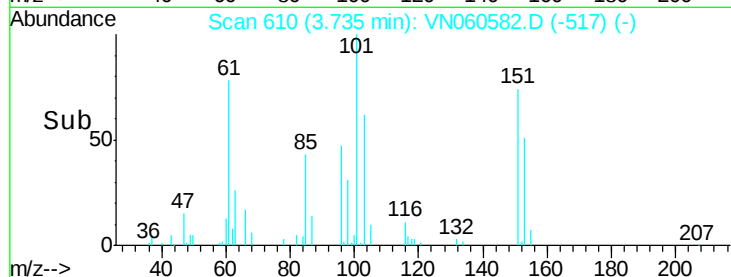
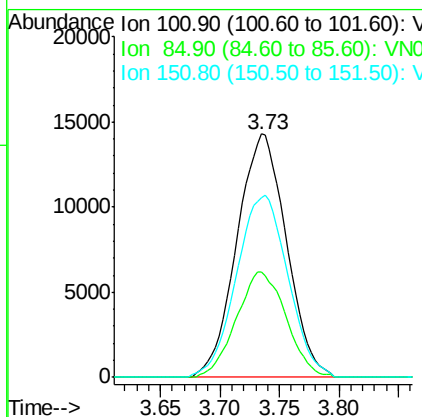
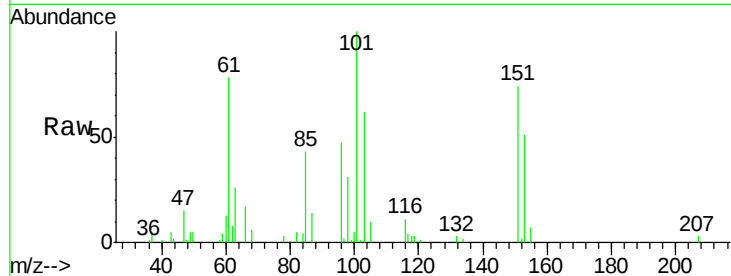
ClientSampled :

VN0318WBSD01

Tot Ion:	101	Resp:	41227
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.6	53.4
151	77.8	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.050 ug/l

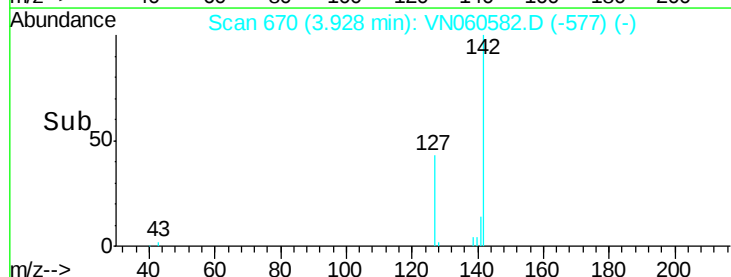
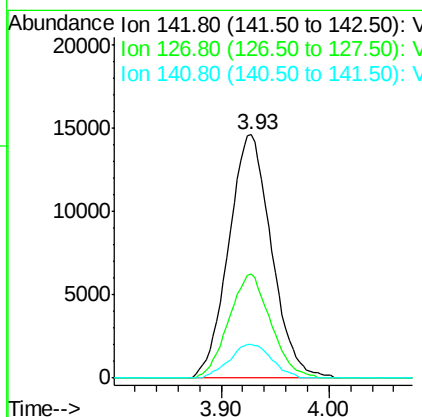
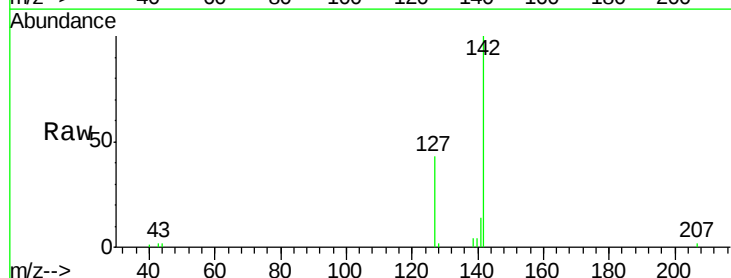
RT: 3.93 min Scan# 670

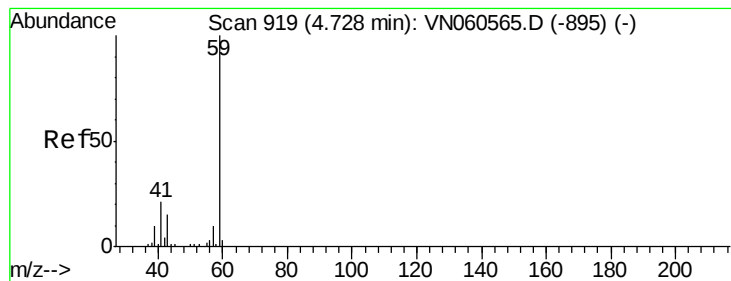
Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	142	Resp:	40337
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.5	50.3
141	13.6	11.0	16.6





#11

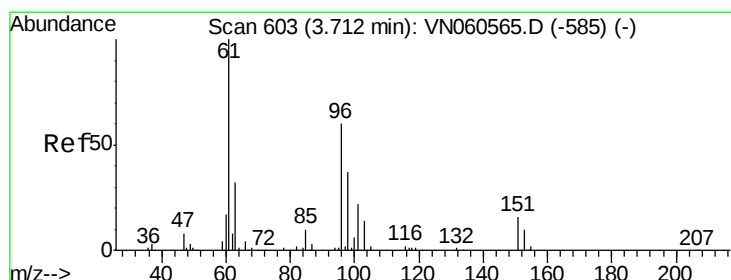
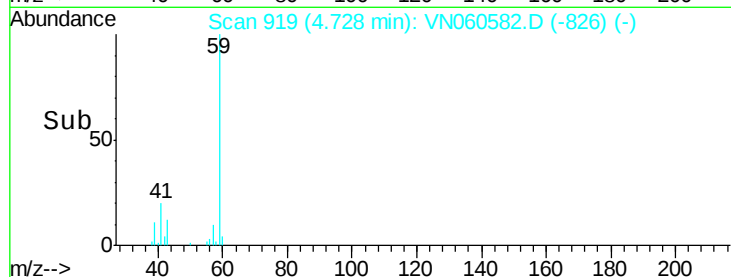
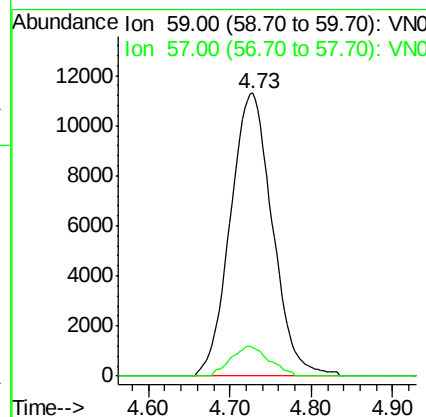
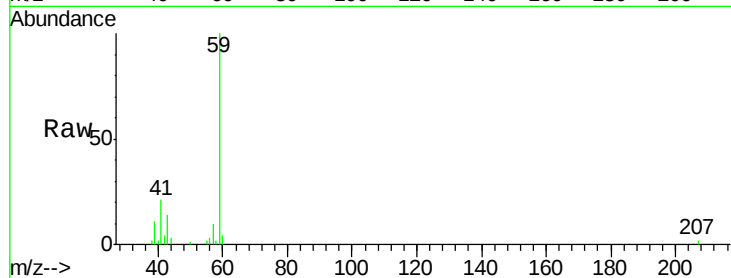
Tert butyl alcohol
Concen: 94.126 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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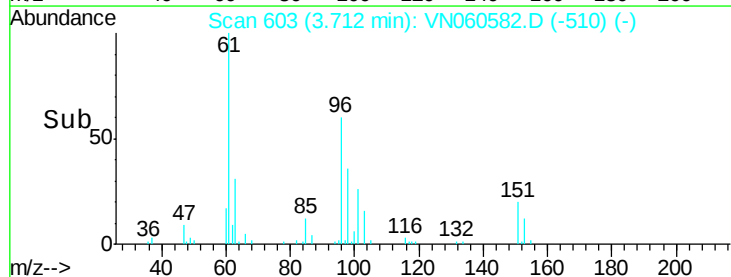
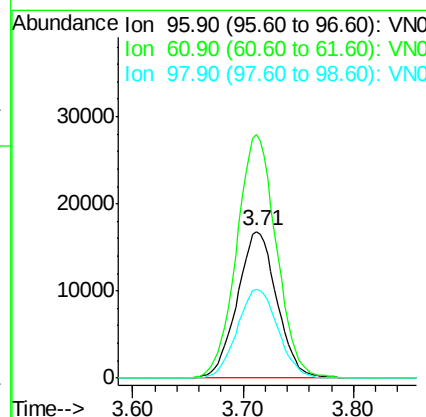
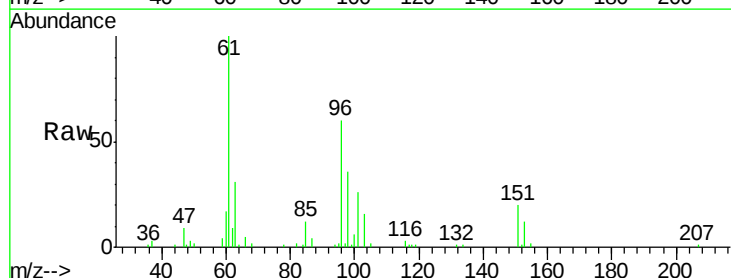
MMDadoda
3/19/2020 1:02:54 PM

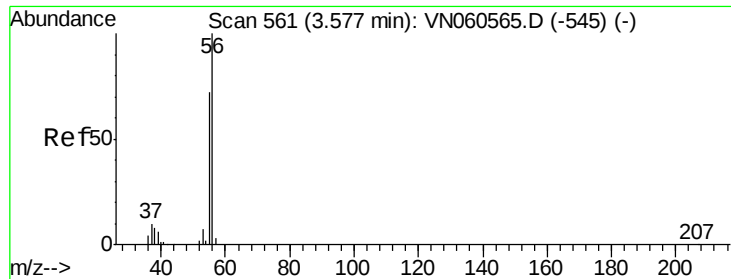


#12

1,1-Dichloroethene
Concen: 18.113 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	134.1	201.1
98	60.5	49.9	74.9





#13

Acrolein

Concen: 86.231 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampled :

VN0318WBSD01

Tot Ion: 56 Resp: 41183

Ion Ratio Lower Upper

56 100

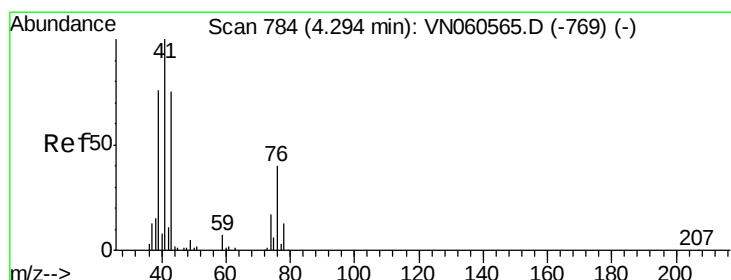
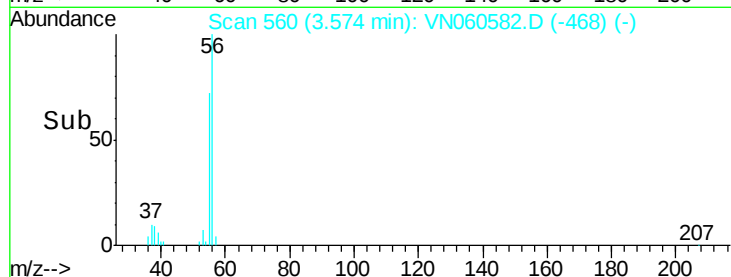
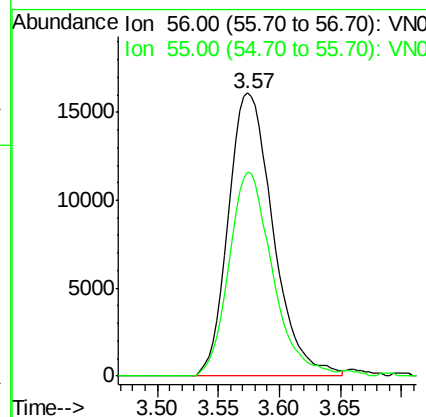
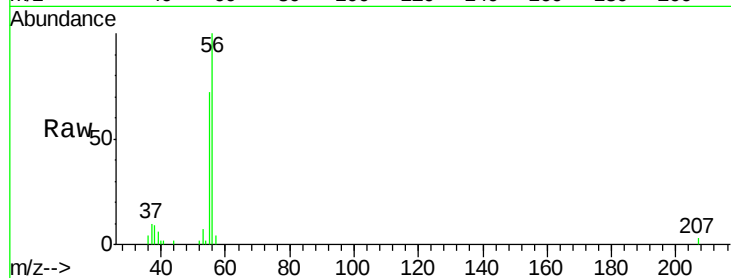
55 69.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.549 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

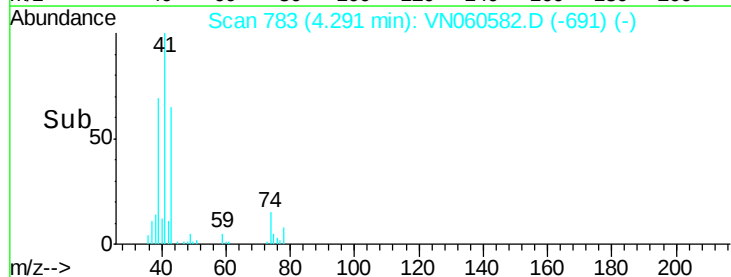
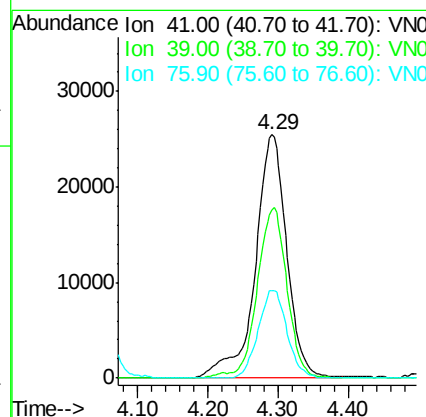
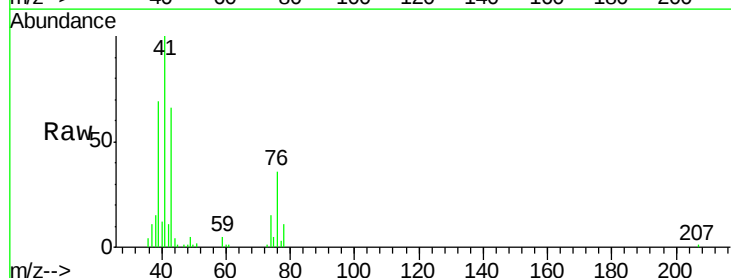
Tgt Ion: 41 Resp: 79454

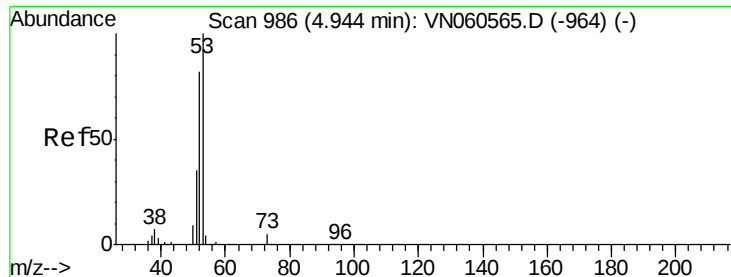
Ion Ratio Lower Upper

41 100

39 66.0 57.8 86.8

76 32.8 28.6 43.0





#15

Acrylonitrile

Concen: 89.601 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

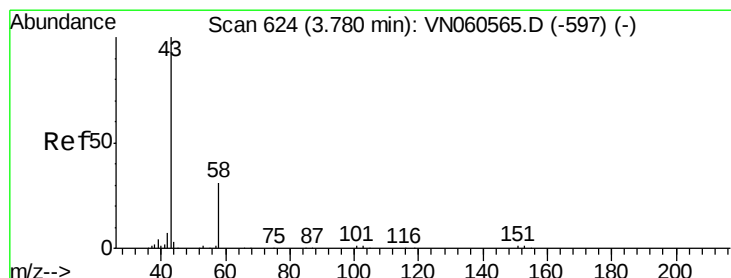
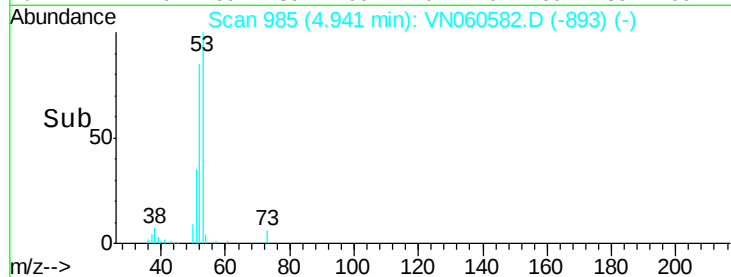
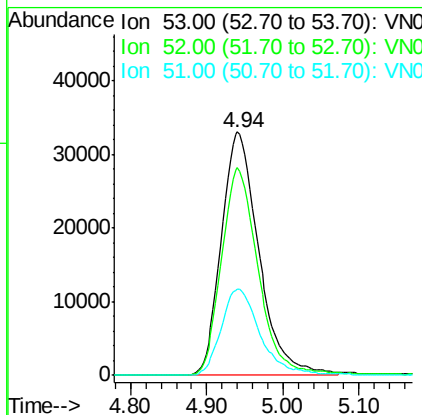
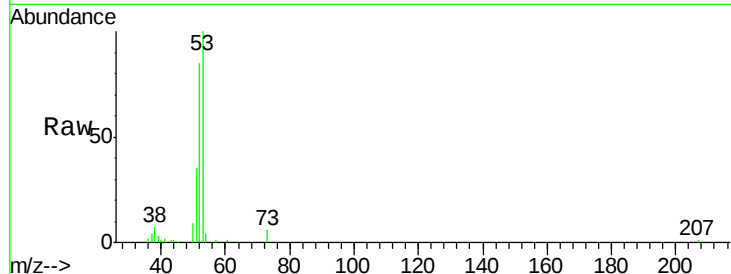
ClientSampleId :

VN0318WBSD01

Tot Ion:	53	Resp:	113539
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.2	99.4
51	36.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 92.921 ug/l

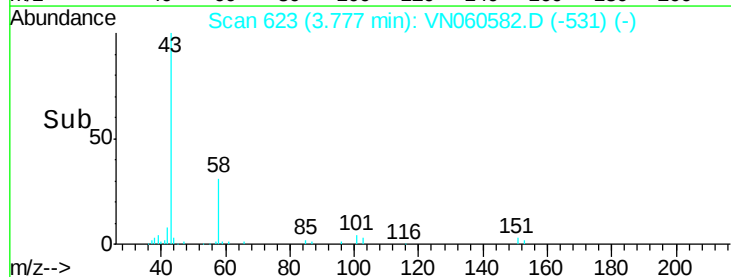
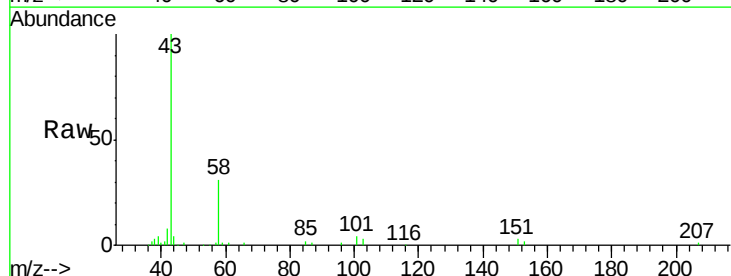
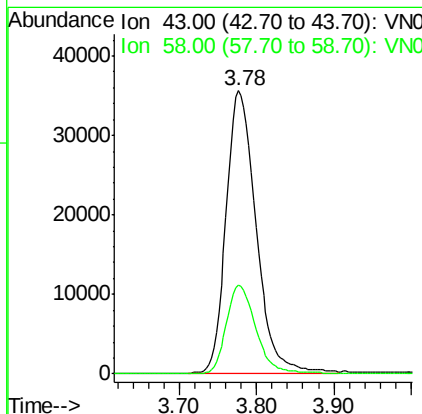
RT: 3.78 min Scan# 623

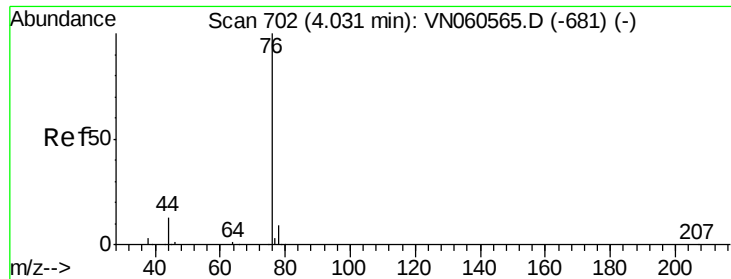
Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	43	Resp:	96442
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.1	37.7





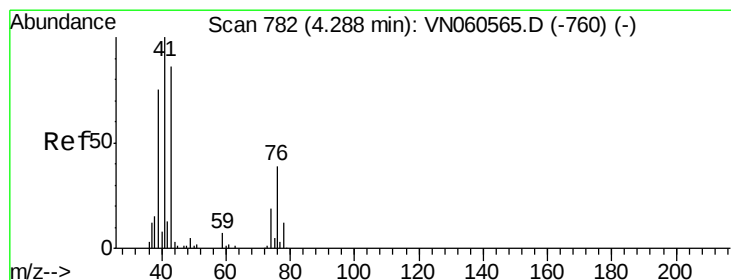
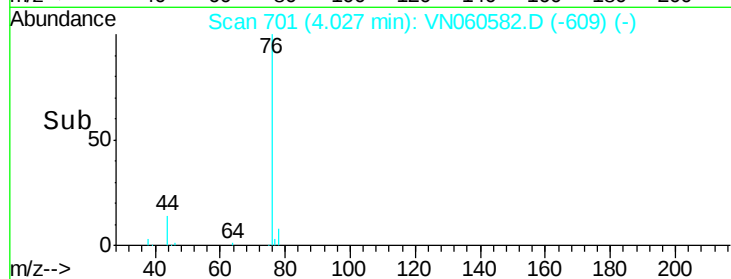
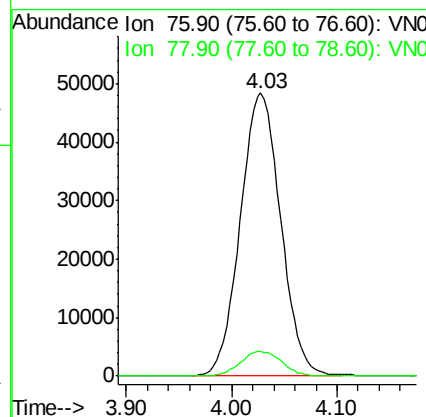
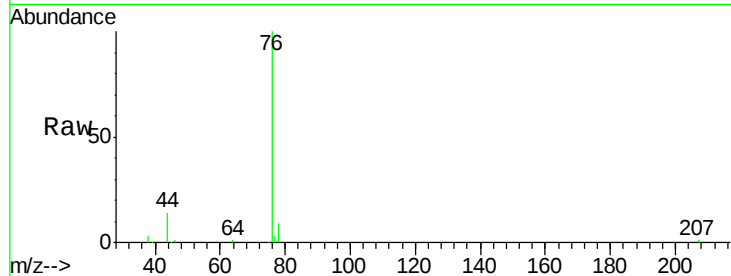
#17
Carbon Disulfide
Concen: 18.339 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

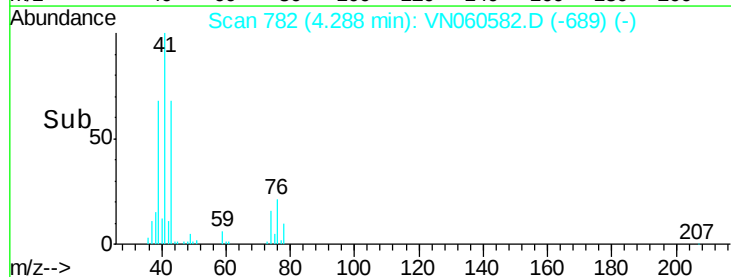
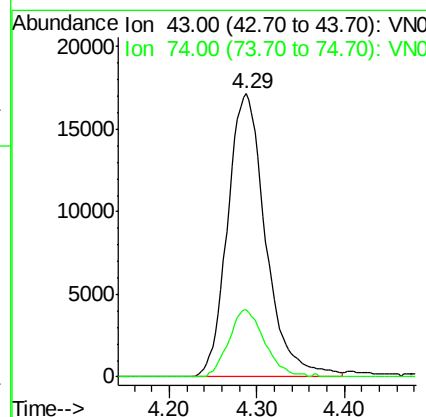
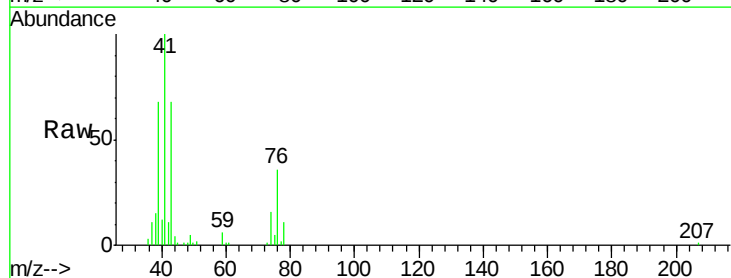
Manual Integrations
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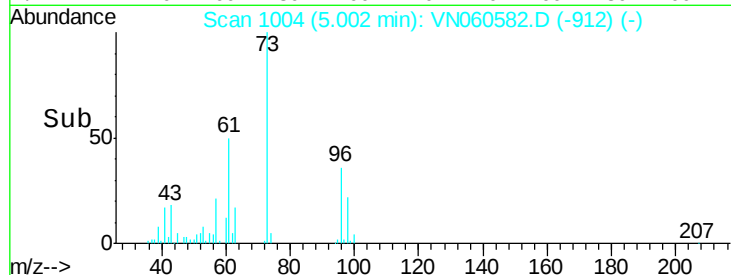
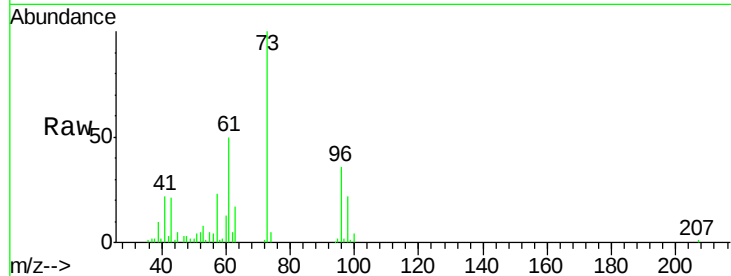
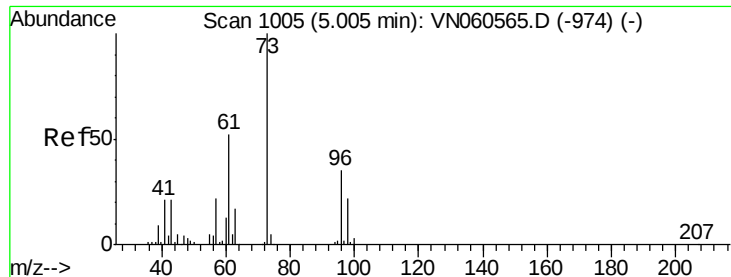
MMDadoda
3/19/2020 1:02:54 PM



#18
Methyl Acetate
Concen: 17.752 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.5	26.3





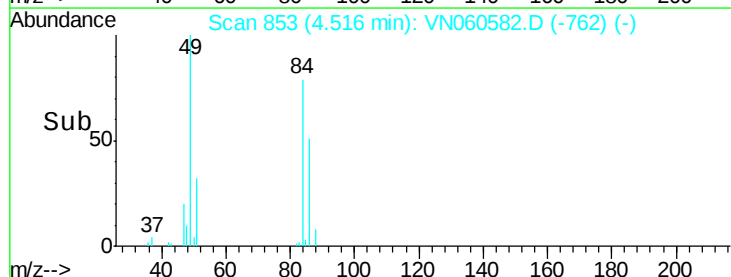
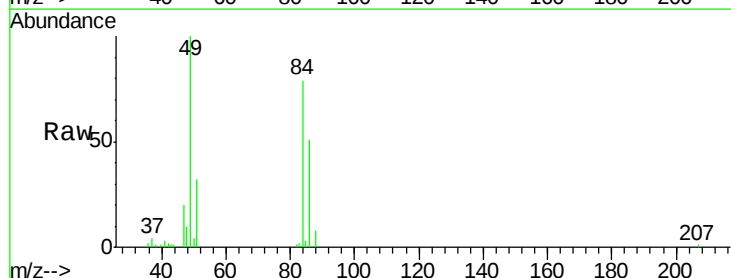
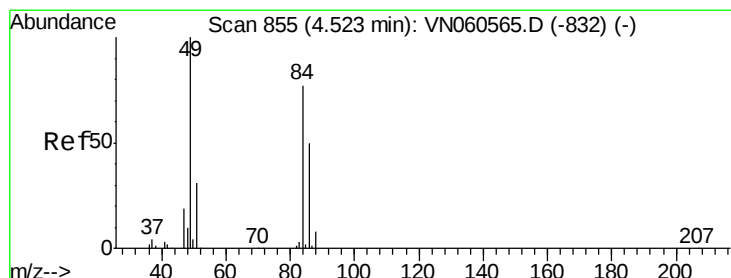
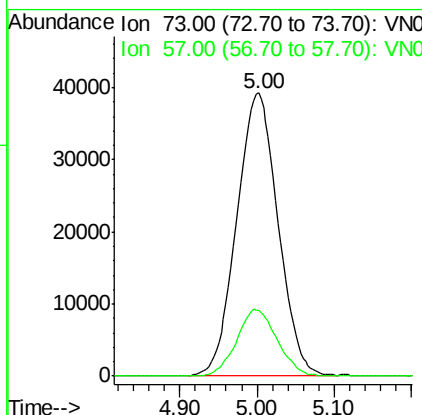
#19
Methvl tert-butvl Ether
Concen: 18.368 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tot Ion: 73 Resp: 145940
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

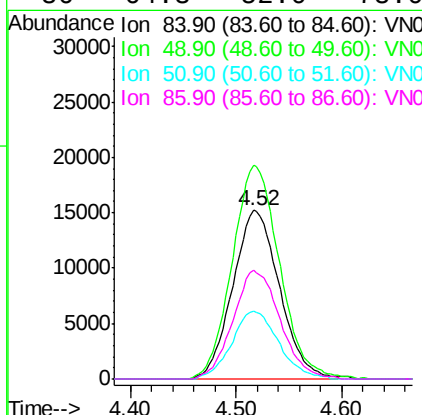
Manual Integrations
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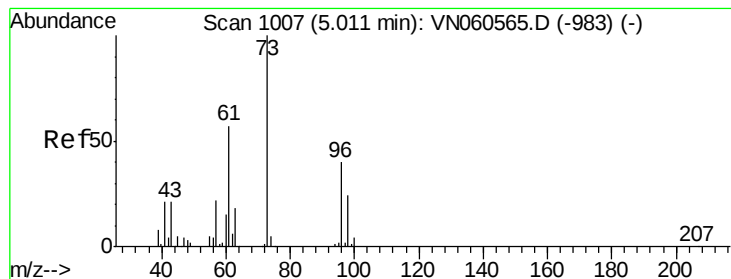
MMDadoda
3/19/2020 1:02:54 PM



#20
Methylene Chloride
Concen: 18.361 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion: 84 Resp: 46878
Ion Ratio Lower Upper
84 100
49 126.6 103.3 154.9
51 39.9 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.543 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 96 Resp: 45671

Ion Ratio Lower Upper

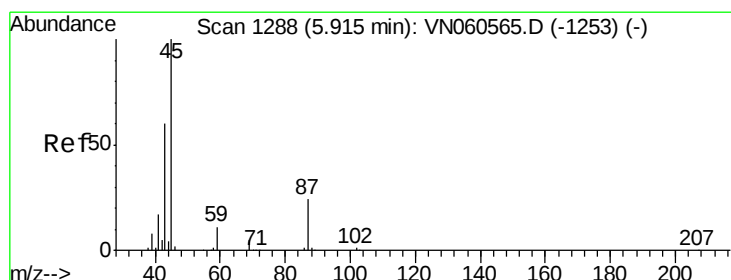
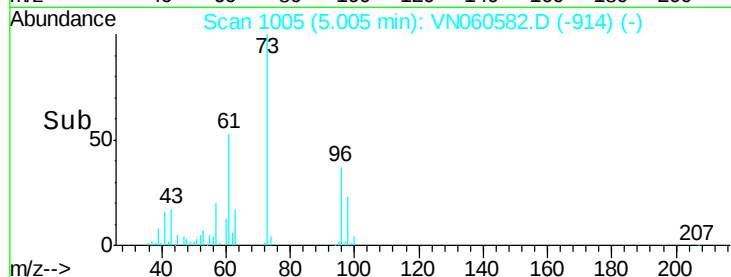
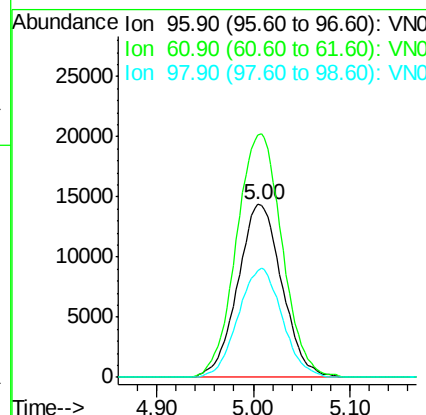
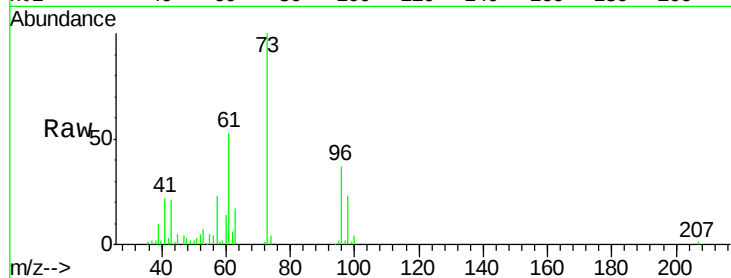
96 100

61 140.6 114.4 171.6

98 62.1 48.4 72.6

Manual Integrations
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3/19/2020 1:02:54 PM



#22

Diisopropyl ether

Concen: 18.662 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion: 45 Resp: 160245

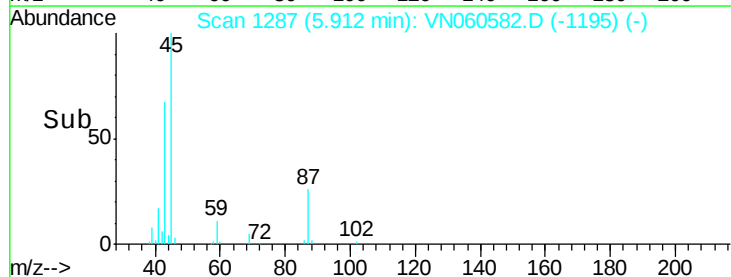
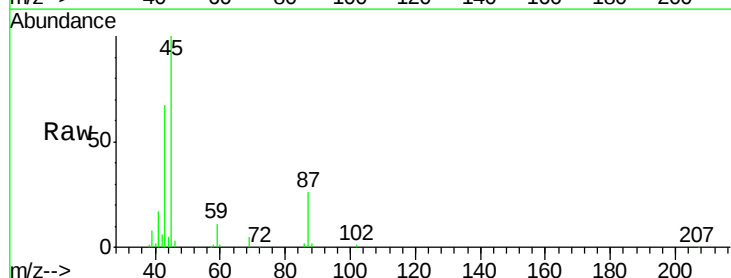
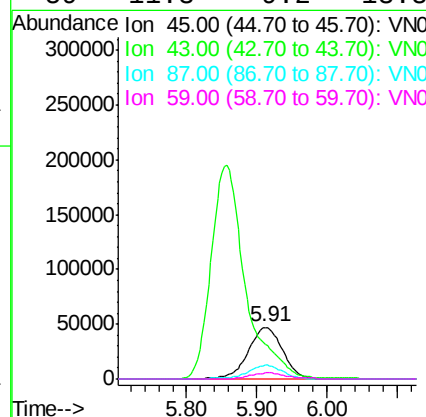
Ion Ratio Lower Upper

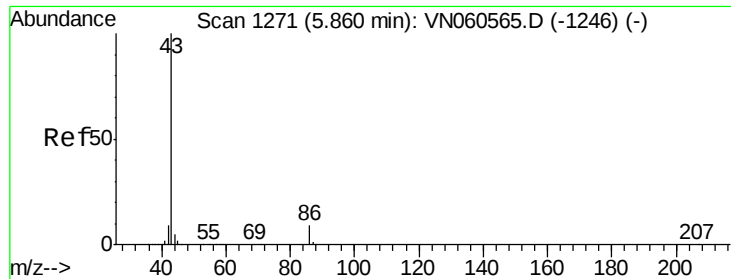
45 100

43 65.6 49.8 74.8

87 26.4 20.1 30.1

59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 94.468 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 43 Resp: 661857

Ion Ratio Lower Upper

43 100

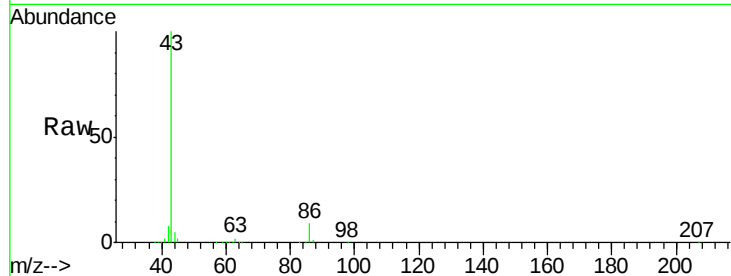
86 9.3 7.6 11.4

Manual Integrations

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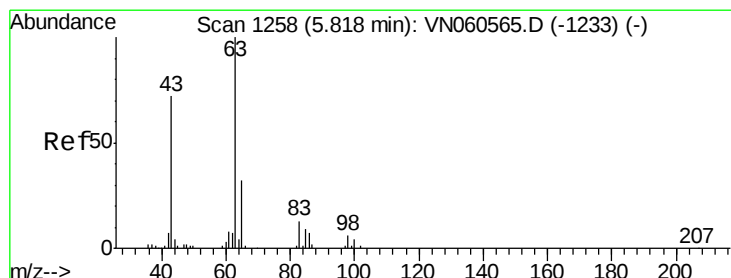
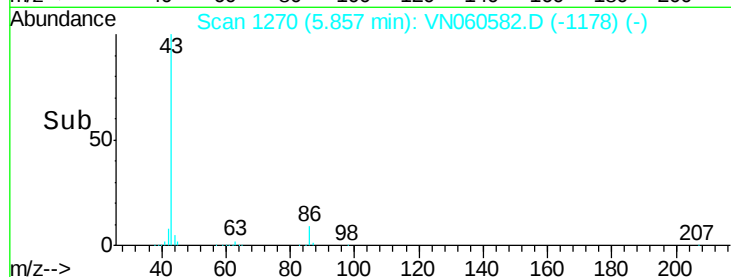
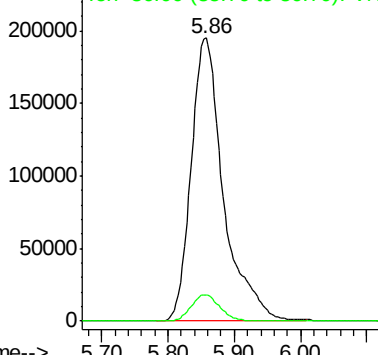
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.530 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

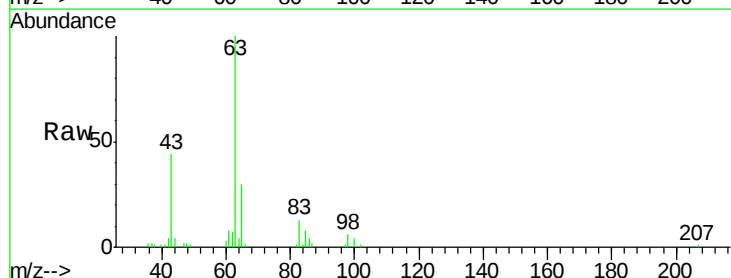
Tgt Ion: 63 Resp: 86739

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

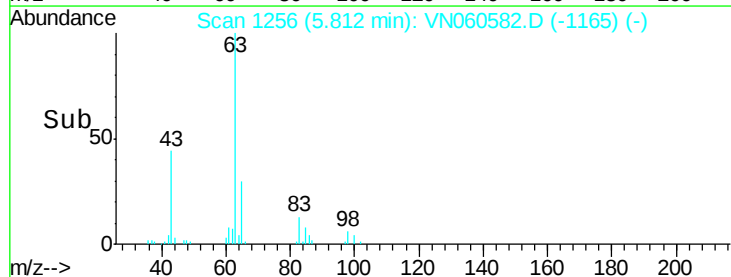
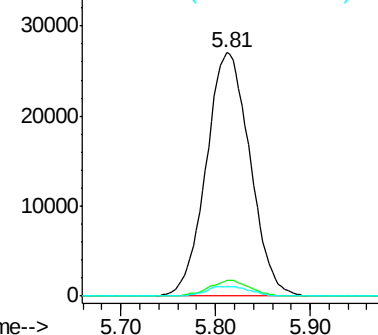
100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





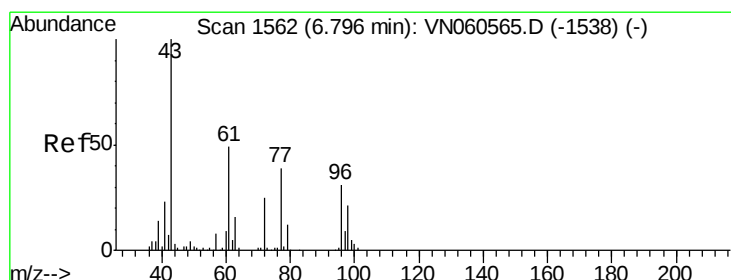
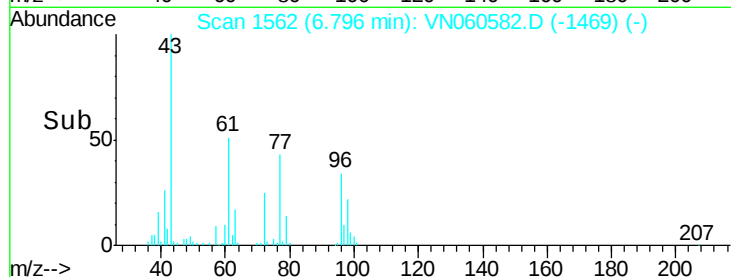
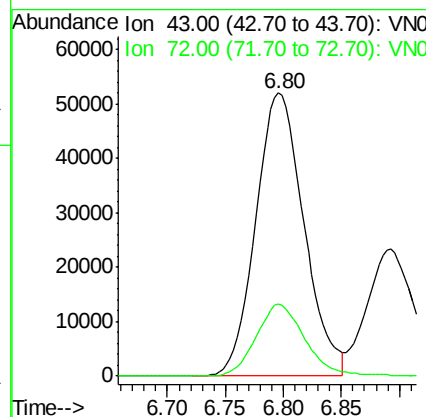
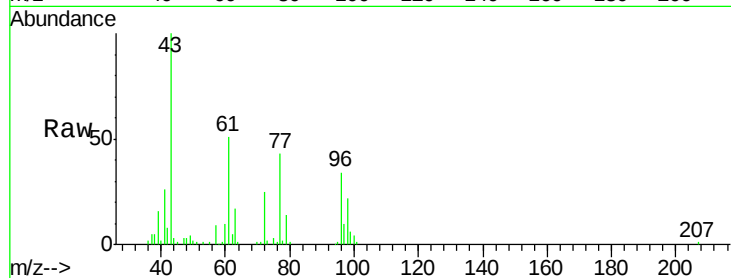
#25
2-Butanone
Concen: 89.443 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion: 43 Resp: 150219
Ion Ratio Lower Upper
43 100
72 25.4 20.4 30.6

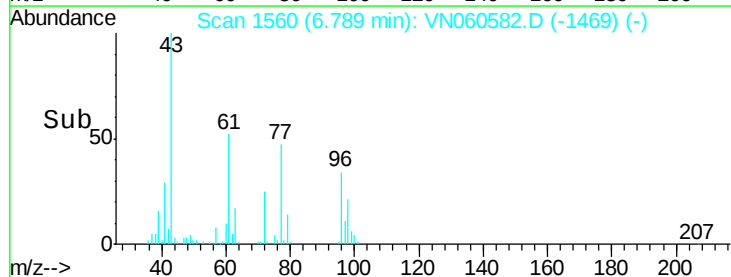
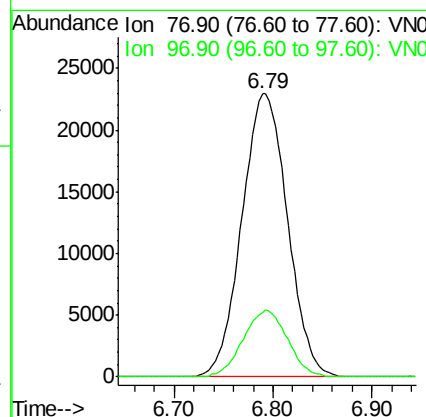
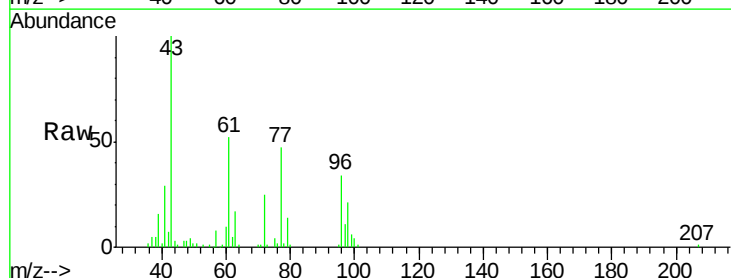
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 19.934 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion: 77 Resp: 73417
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.1





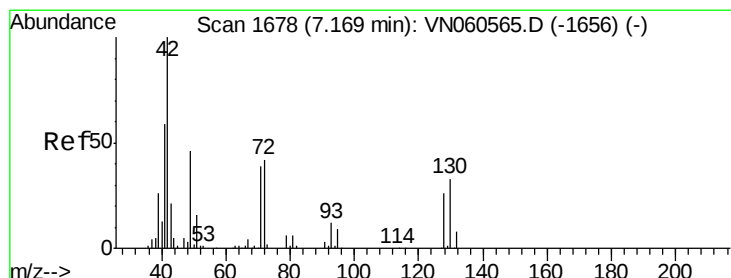
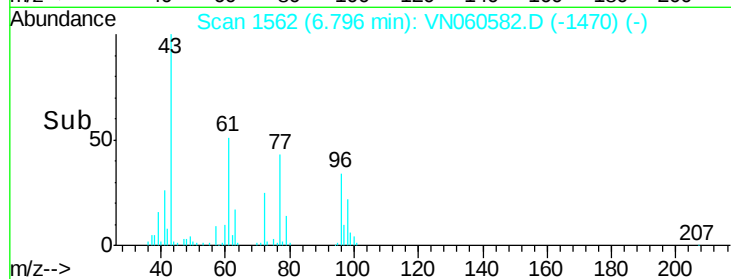
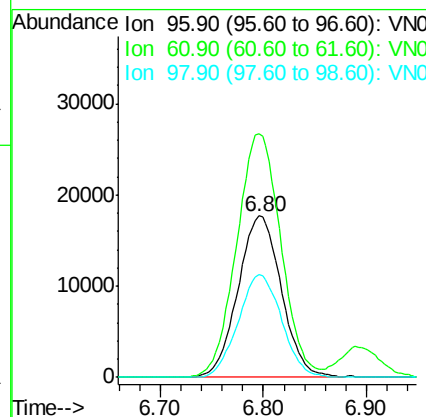
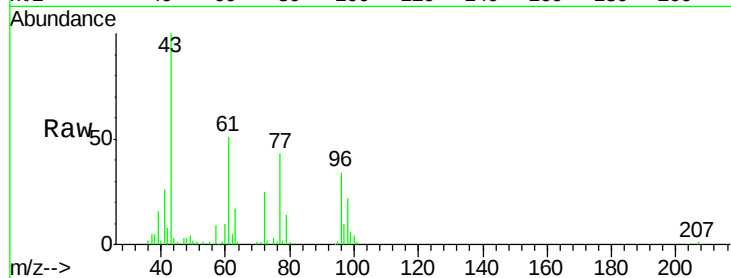
#27
 cis-1,2-Dichloroethene
 Concen: 18.446 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	305.6
98	63.7	0.0	127.6

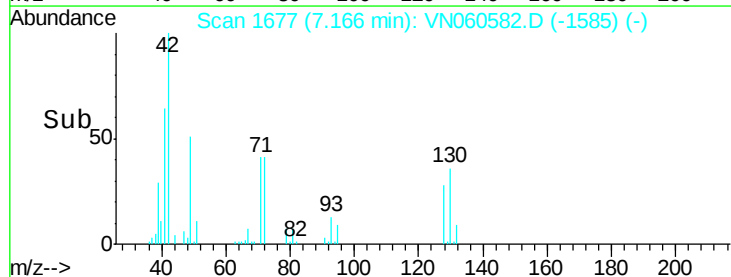
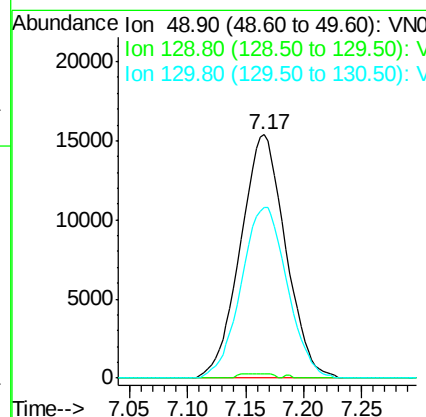
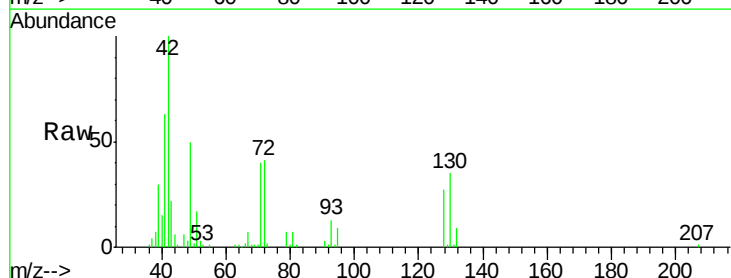
Manual Integrations
 APPROVED

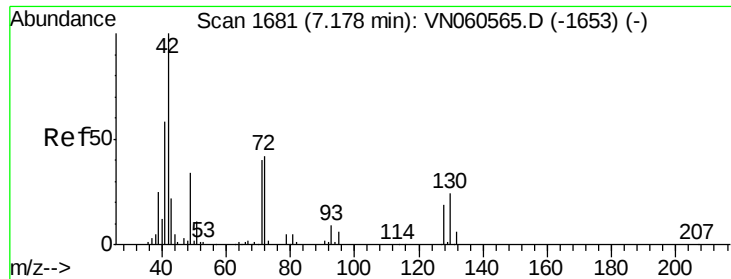
MMDadoda
 3/19/2020 1:02:54 PM



#28
 Bromochloromethane
 Concen: 18.595 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	71.6	55.0	82.4





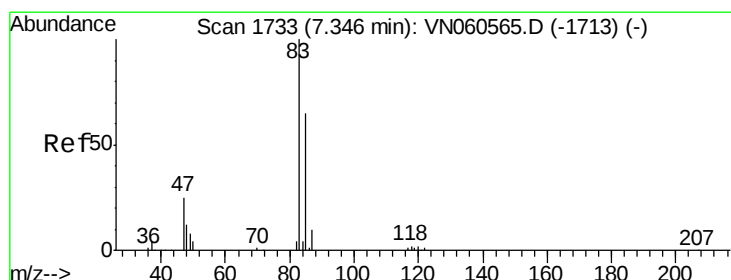
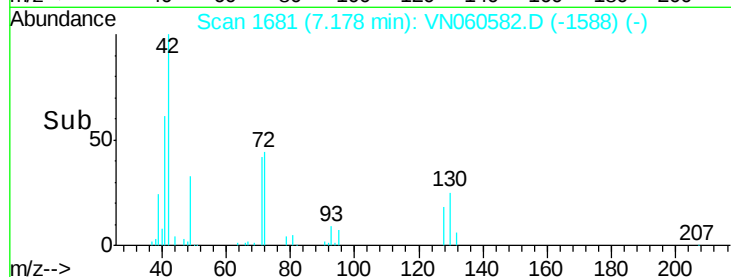
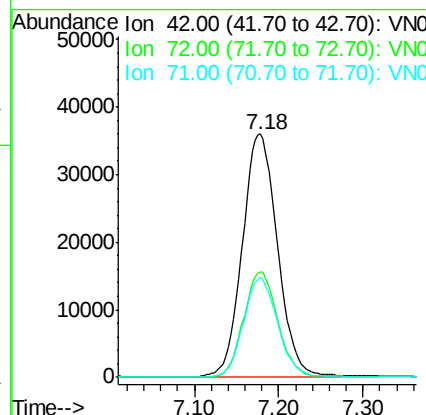
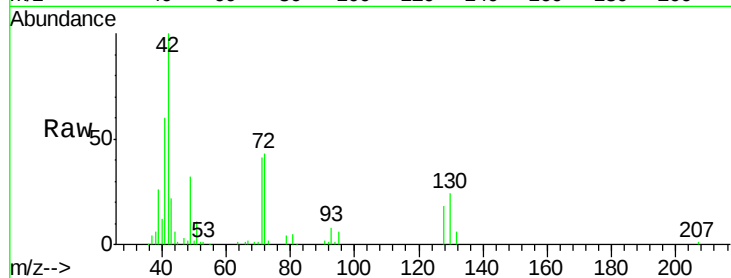
#29
Tetrahydrofuran
Concen: 88.302 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	42.2		33.2	49.8	
71	39.6		31.1	46.7	

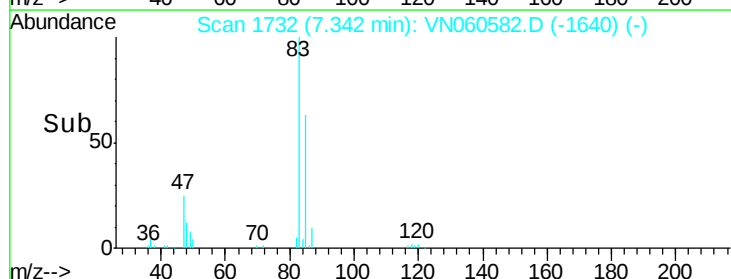
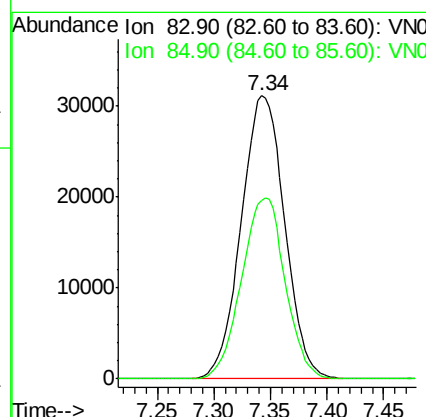
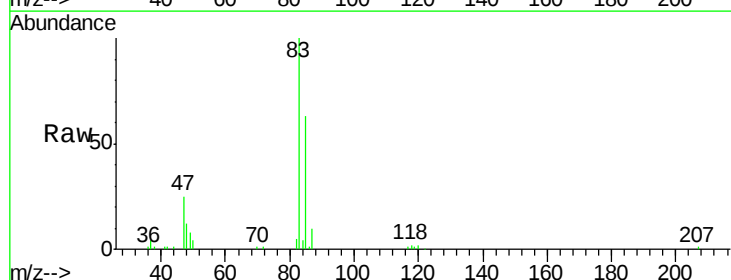
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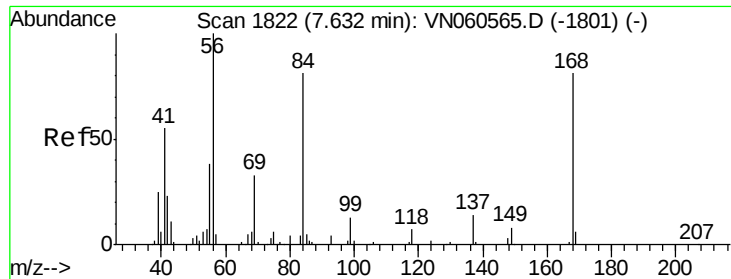
MMDadoda
3/19/2020 1:02:54 PM



#30
Chloroform
Concen: 18.558 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	63.1		51.8	77.8	





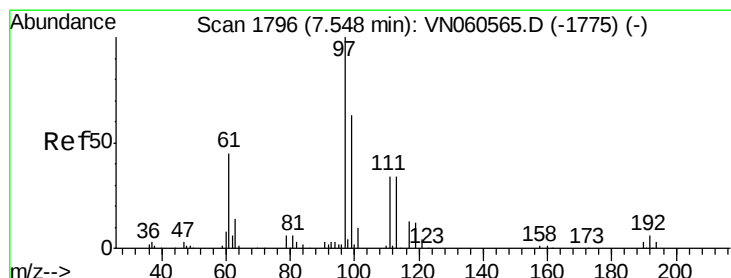
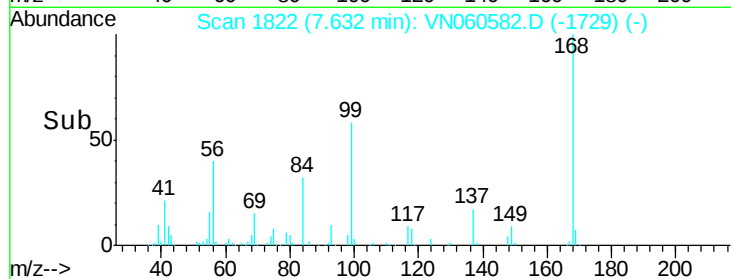
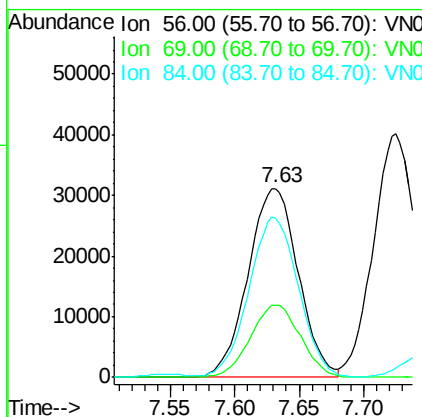
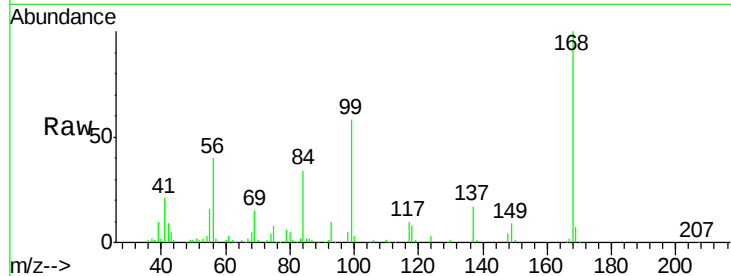
#31
Cyclohexane
Concen: 17.928 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	26.6	40.0
84	83.6	64.3	96.5

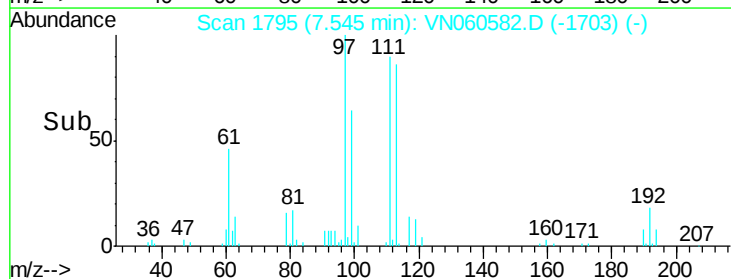
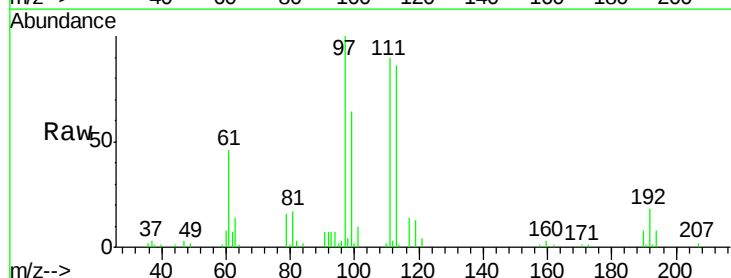
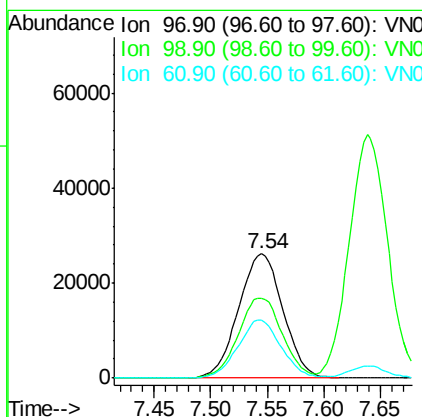
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#32
1,1,1-Trichloroethane
Concen: 18.473 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	75.8
61	45.5	36.2	54.4





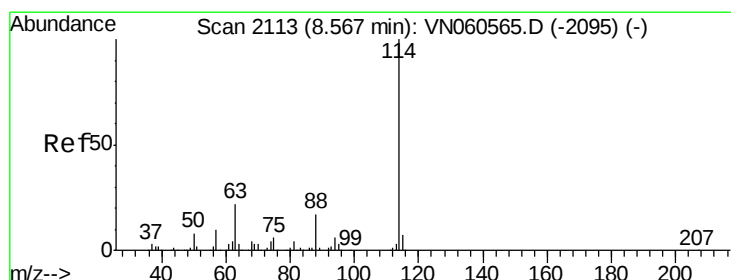
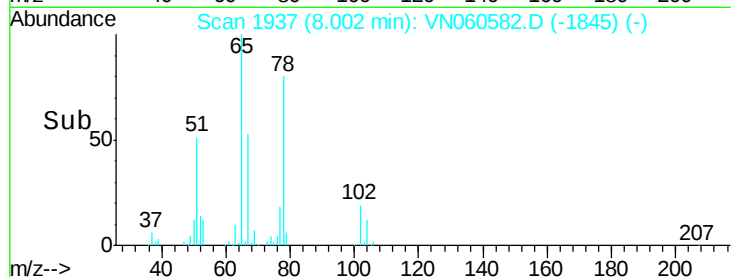
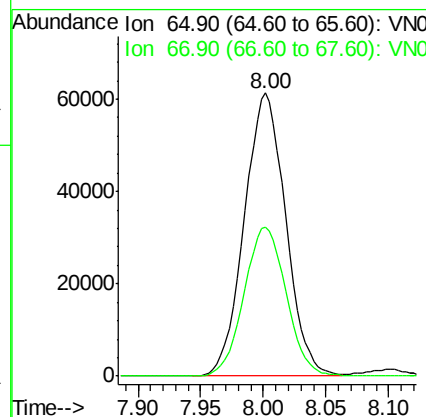
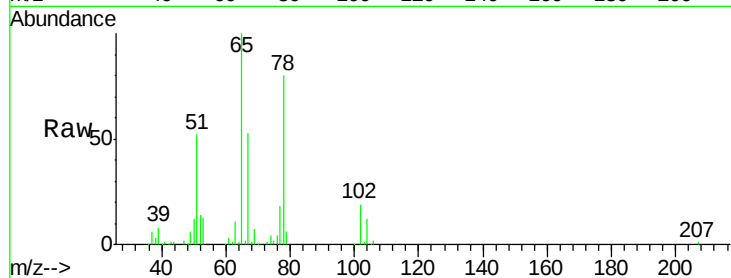
#33
 1,2-Dichloroethane-d4
 Concen: 48.111 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	107.6	

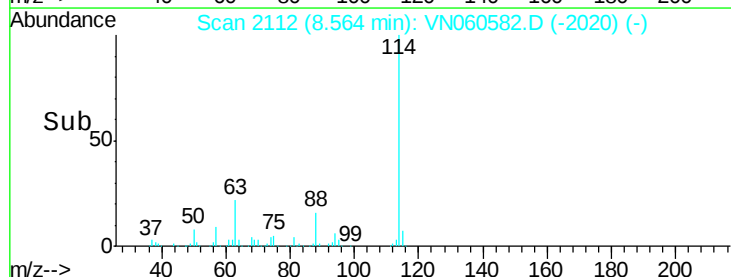
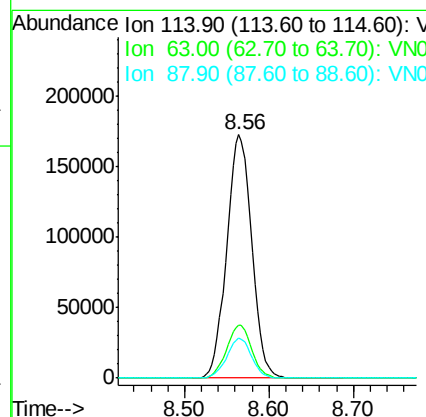
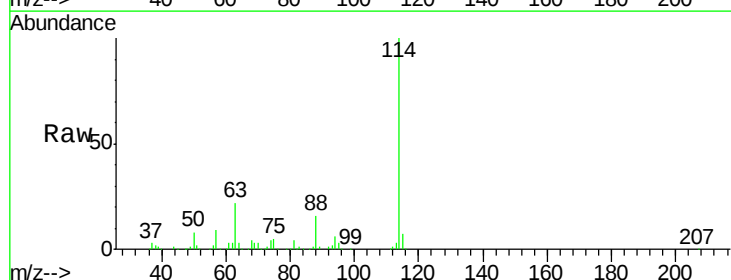
Manual Integrations
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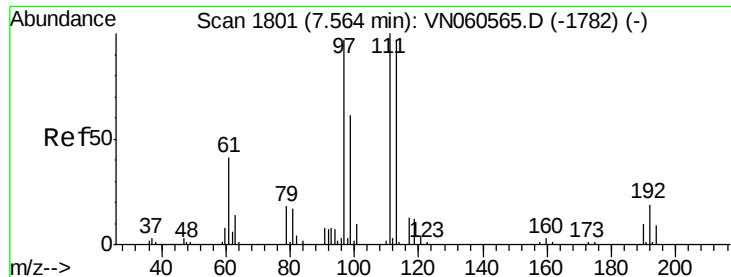
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.8	
88	16.4	0.0	33.0	





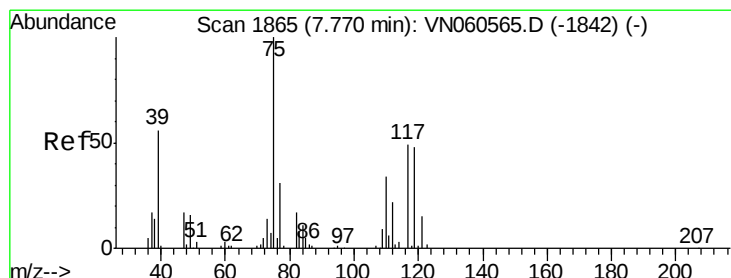
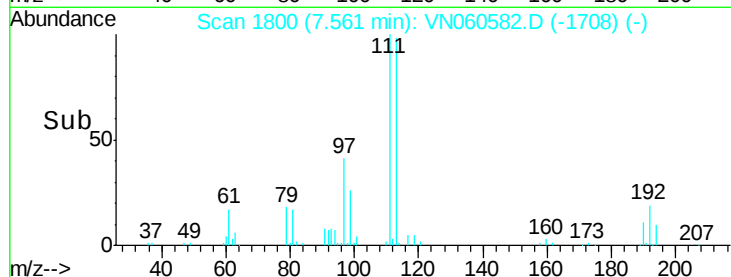
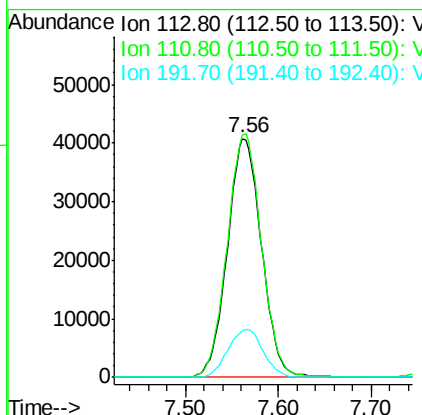
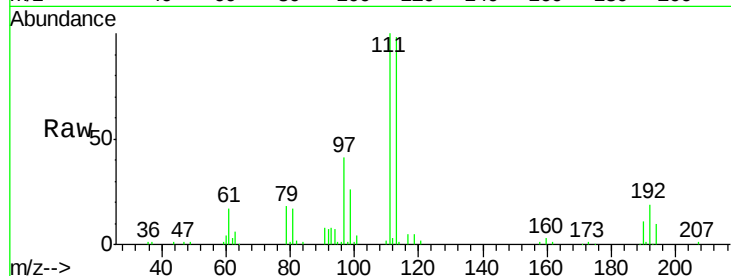
#35
 Dibromofluoromethane
 Concen: 48.258 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103973		
111	102.7	82.9	124.3	
192	20.6	15.8	23.8	

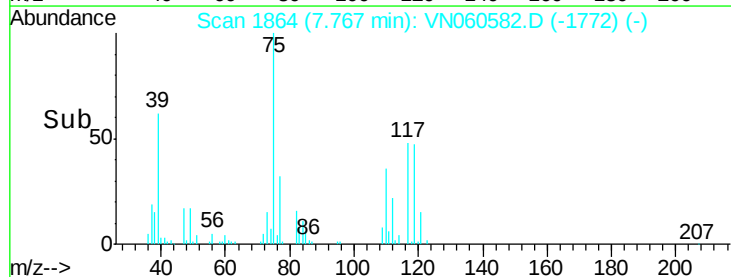
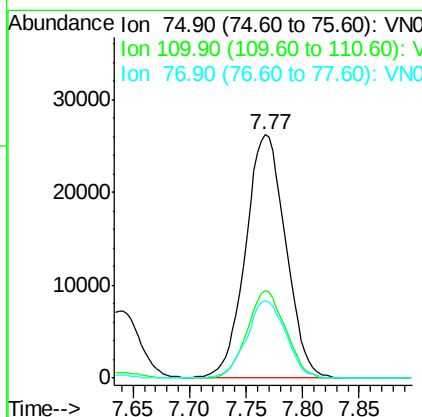
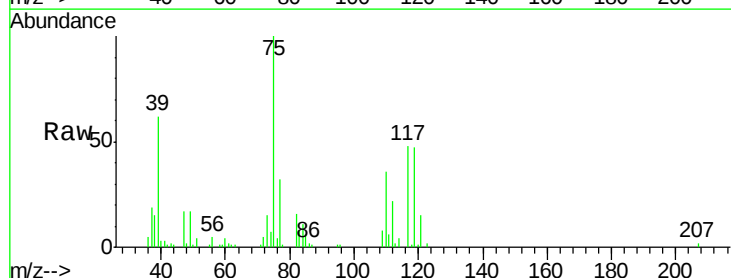
Manual Integrations
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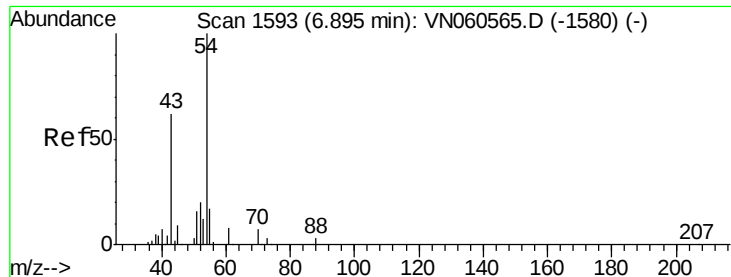
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#36
 1,1-Dichloropropene
 Concen: 18.784 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64810		
110	34.1	16.9	50.6	
77	31.0	24.6	36.8	





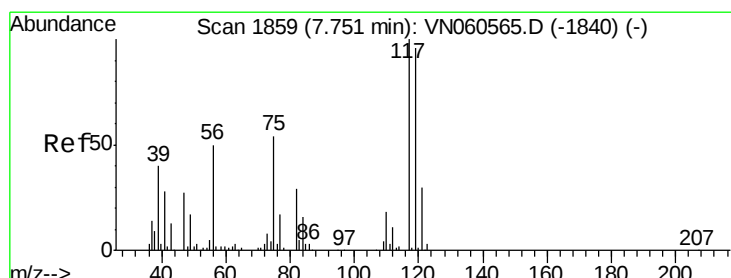
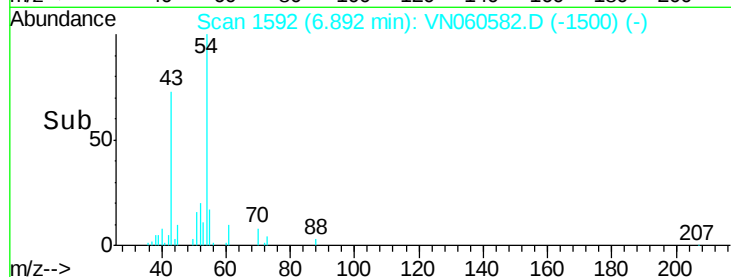
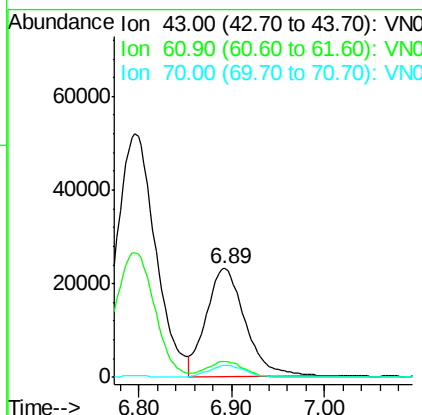
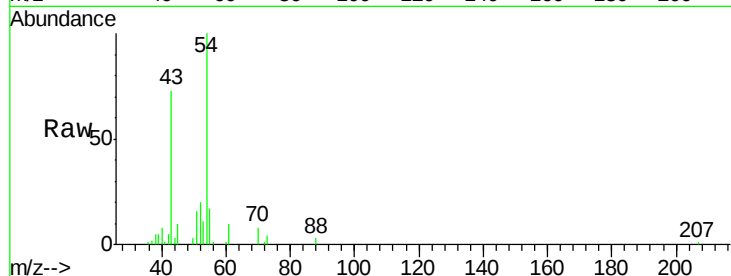
#37
Ethyl Acetate
Concen: 18.022 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.6	15.8
70	10.5	7.9	11.9

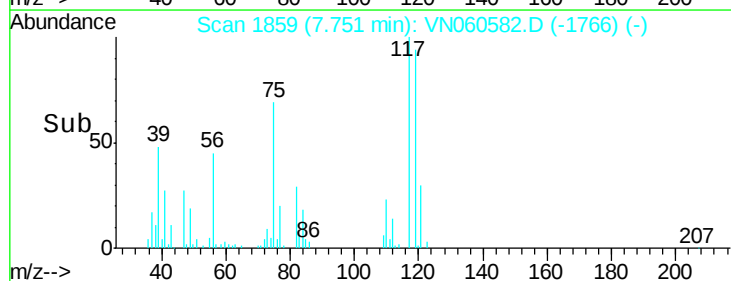
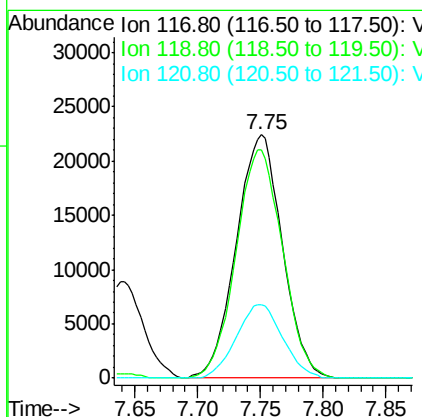
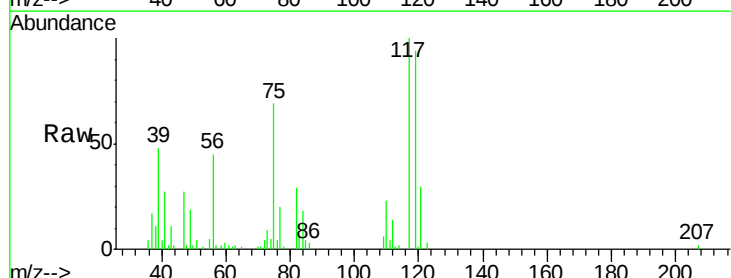
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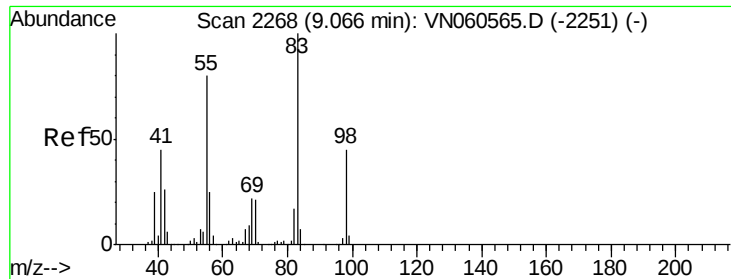
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#38
Carbon Tetrachloride
Concen: 18.495 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.2	114.2
121	30.1	23.7	35.5





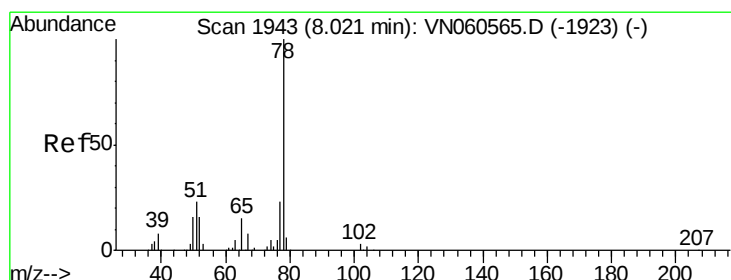
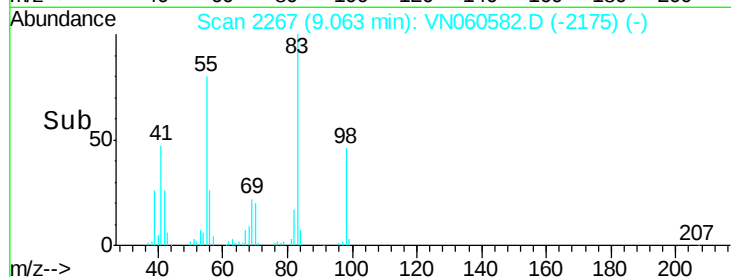
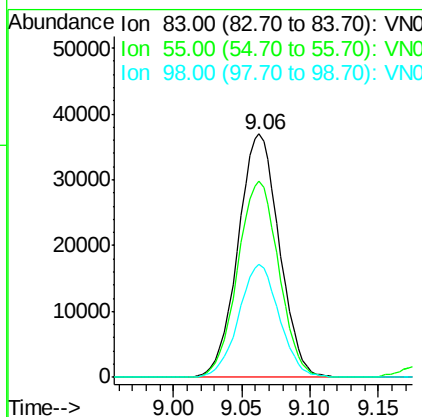
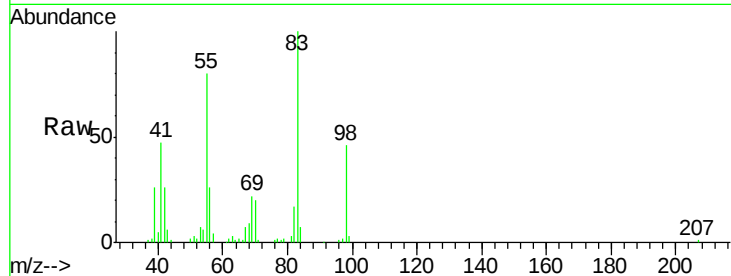
#39
Methvlcvclohexane
Concen: 18.901 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	63.6	95.4
98	46.3	36.0	54.0

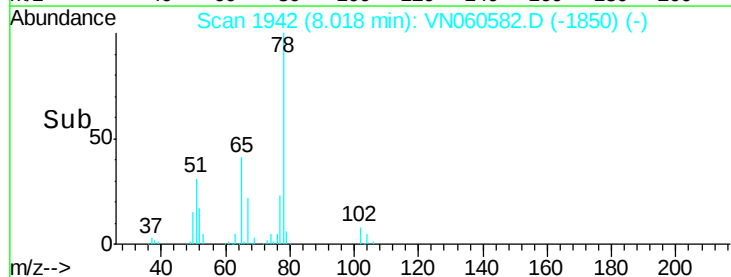
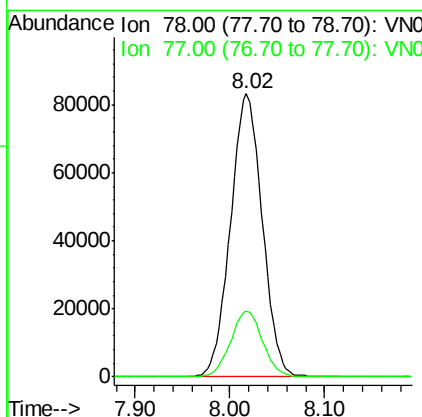
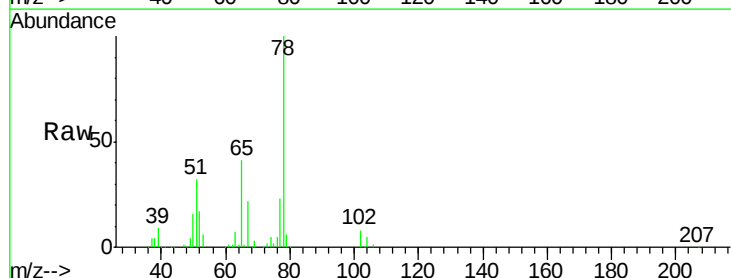
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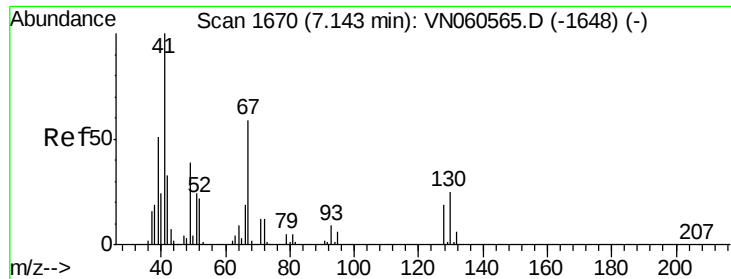
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#40
Benzene
Concen: 18.655 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





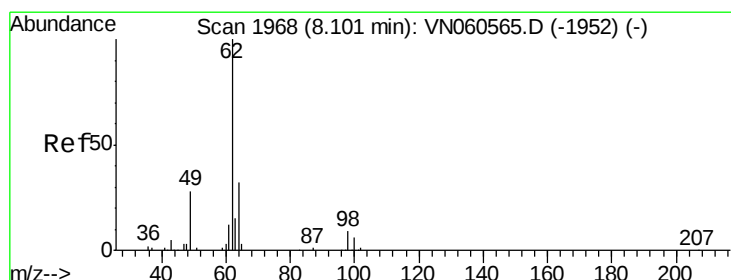
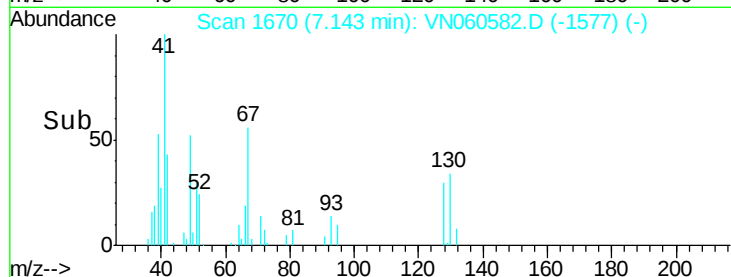
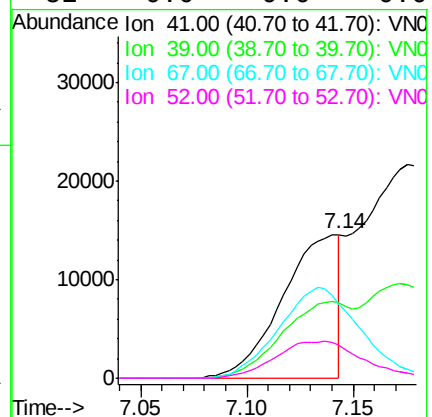
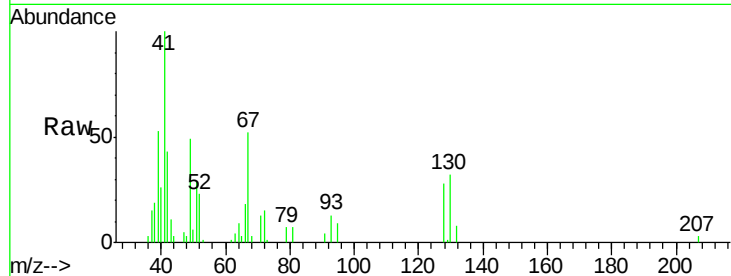
#41
Methacrylonitrile
Concen: 16.987 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	41.00	Resp:	27027
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

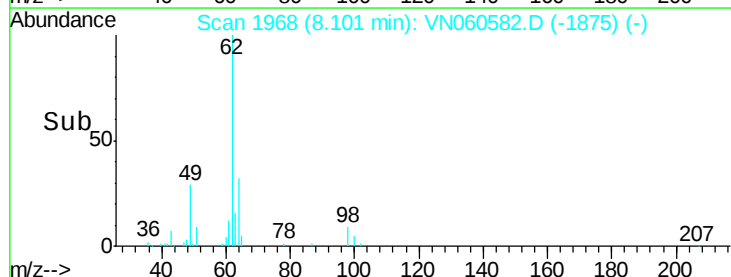
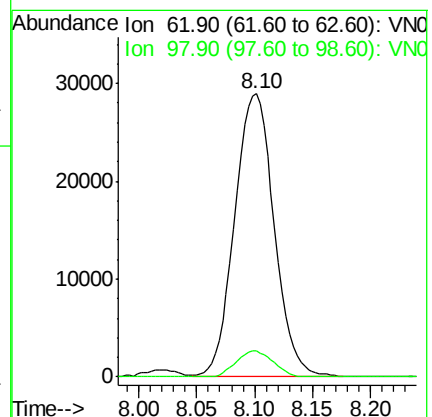
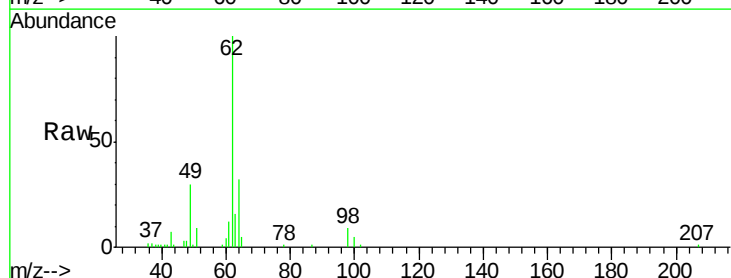
Manual Integrations
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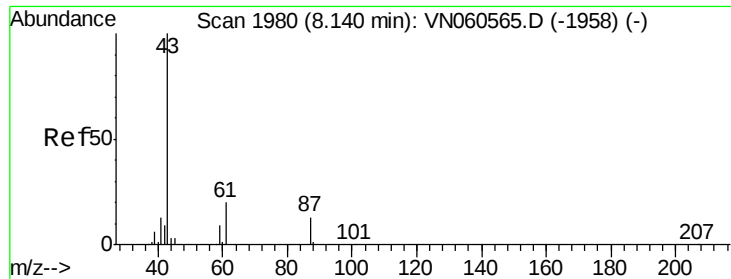
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#42
1,2-Dichloroethane
Concen: 19.242 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	62	Resp:	68493
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





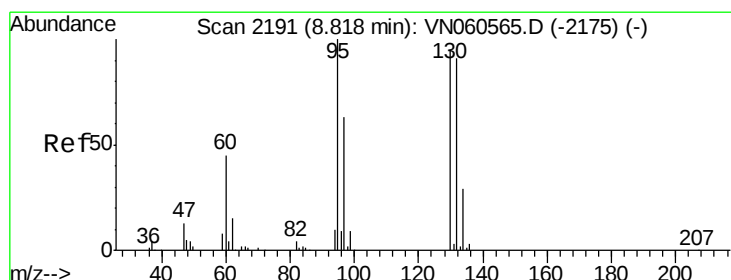
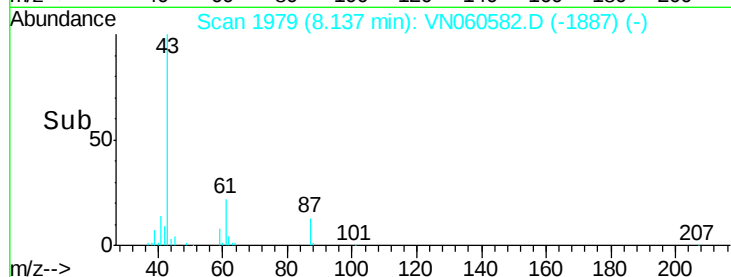
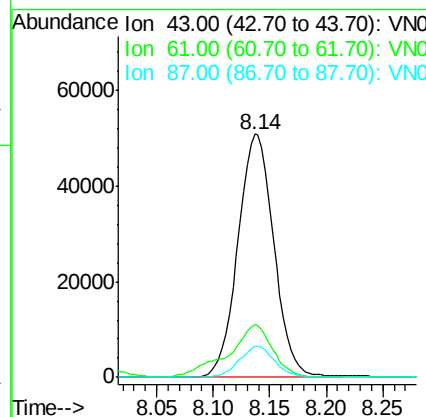
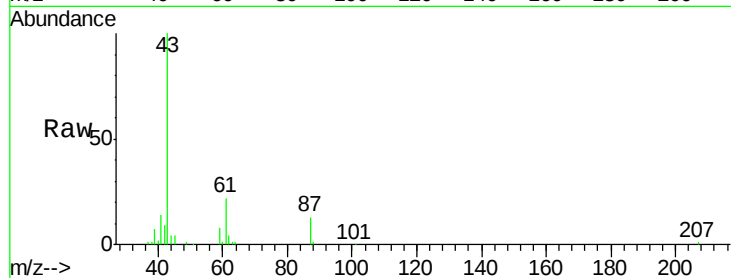
#43
Isopropyl Acetate
Concen: 18.329 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.7	31.1
87	12.3	9.8	14.8

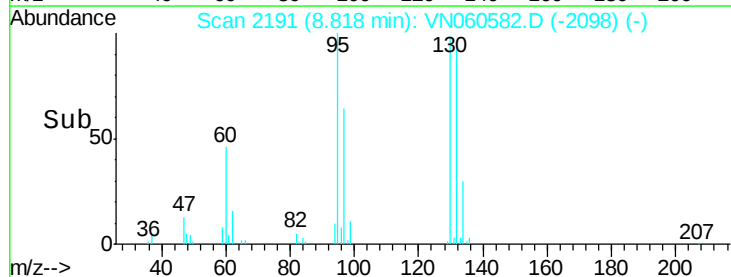
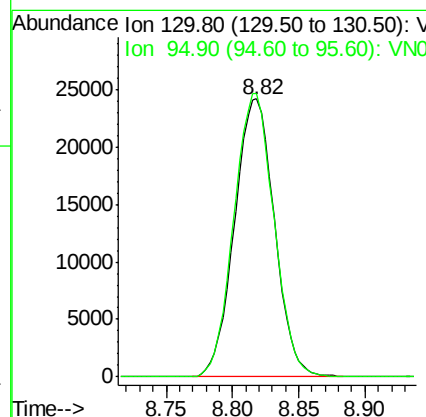
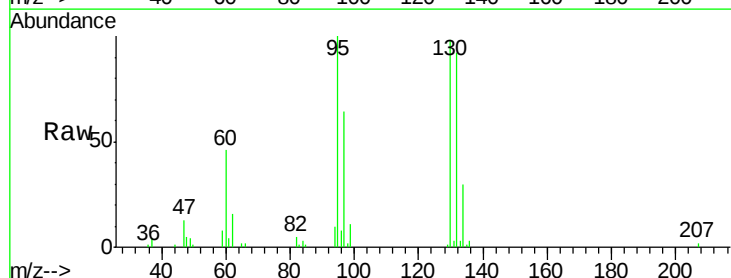
Manual Integrations
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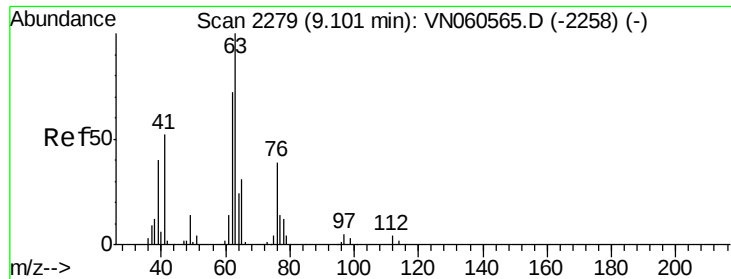
MMDadoda
3/19/2020 1:02:54 PM



#44
Trichloroethene
Concen: 19.317 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	211.2





#45

1,2-Dichloropropane

Concen: 18.950 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 63 Resp: 52079

Ion Ratio Lower Upper

63 100

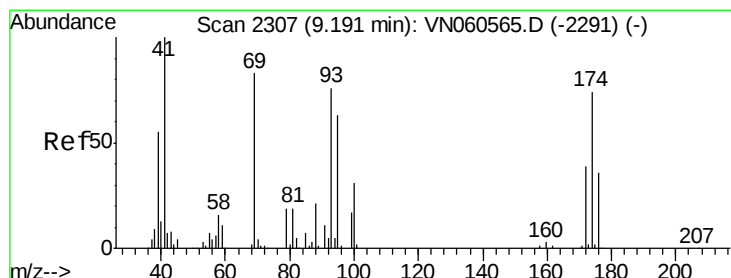
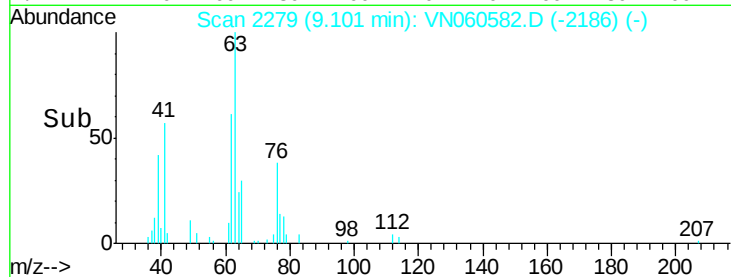
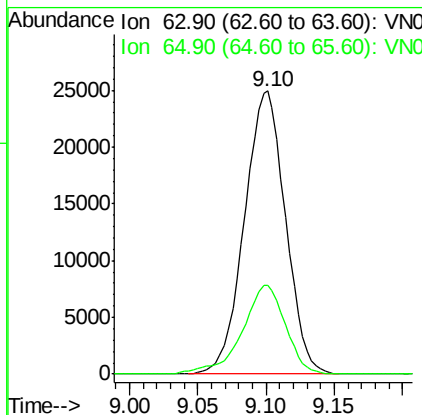
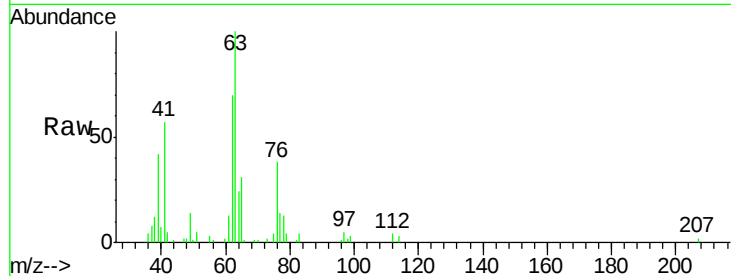
65 31.2 25.4 38.0

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#46

Dibromomethane

Concen: 19.208 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

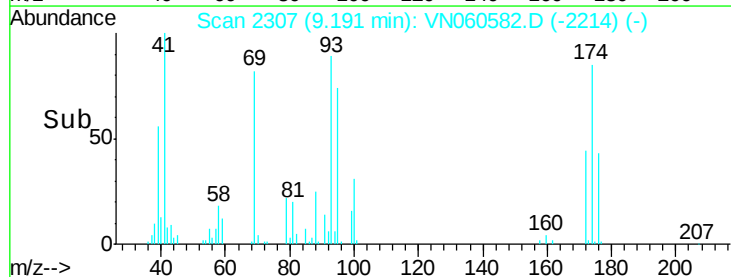
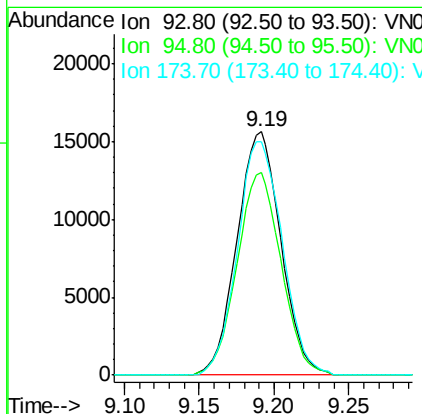
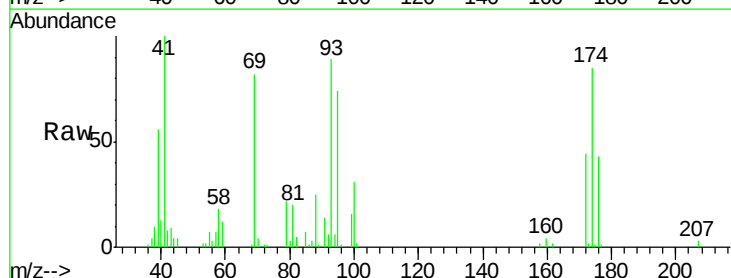
Tgt Ion: 93 Resp: 31915

Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

174 98.1 77.9 116.9





#47

Bromodichloromethane

Concen: 18.778 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

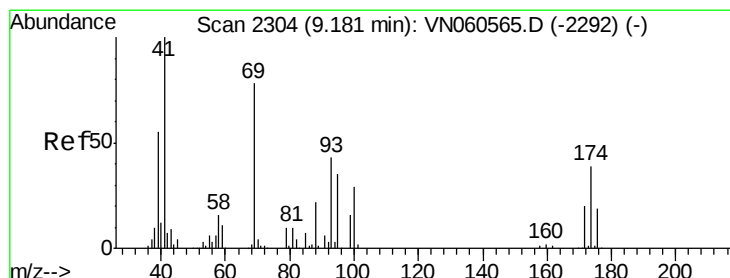
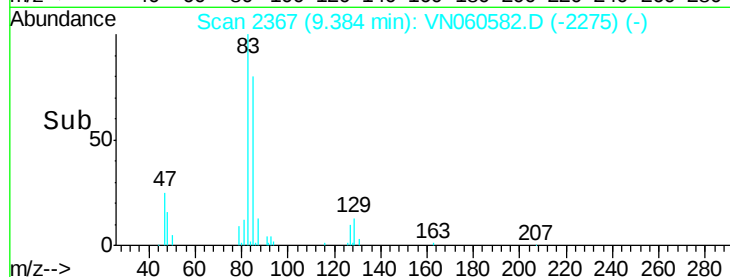
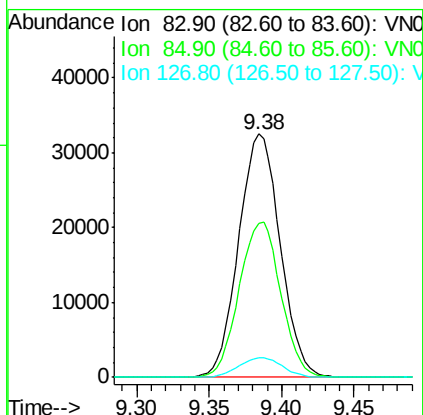
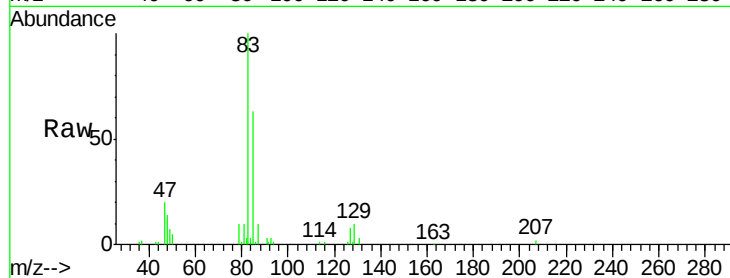
ClientSampleId :

VN0318WBSD01

Tot Ion:	83	Resp:	64833
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6
127	8.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.769 ug/l

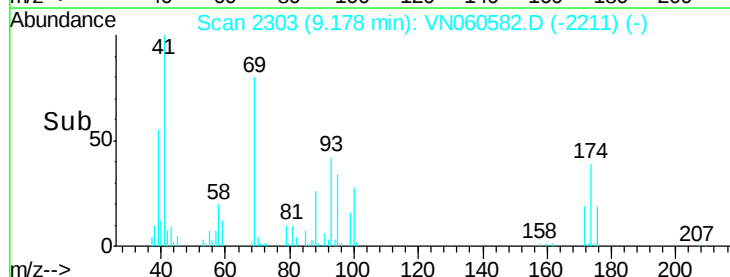
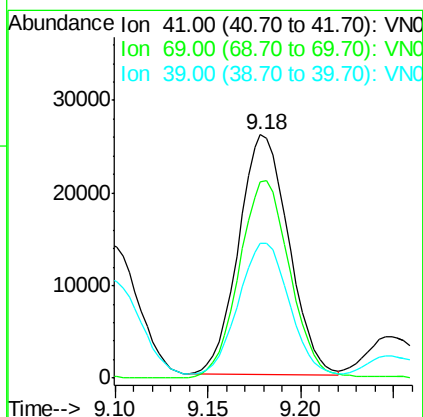
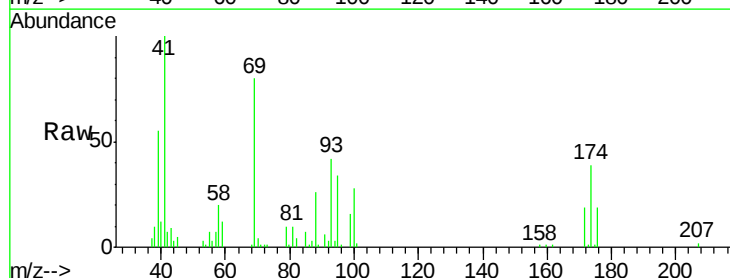
RT: 9.18 min Scan# 2303

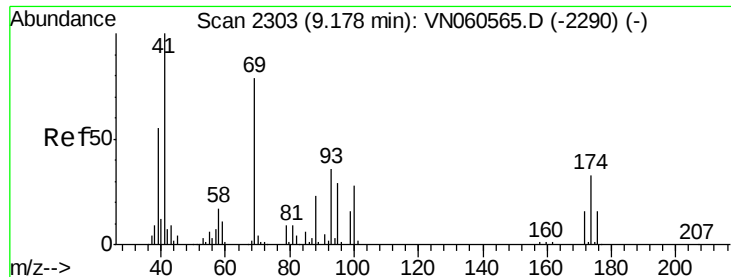
Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	41	Resp:	48642
Ion	Ratio	Lower	Upper
41	100		
69	83.7	65.4	98.0
39	55.2	44.0	66.0





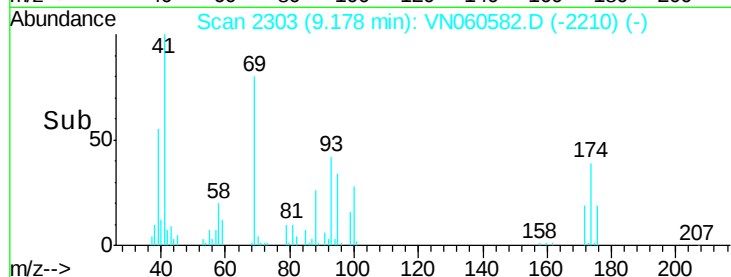
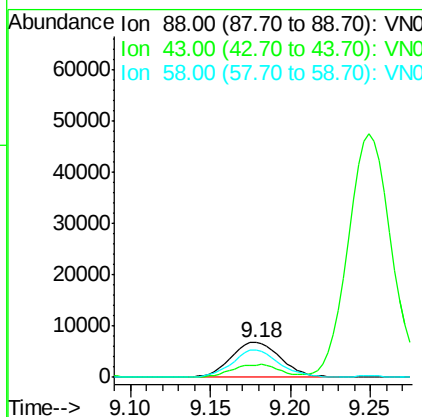
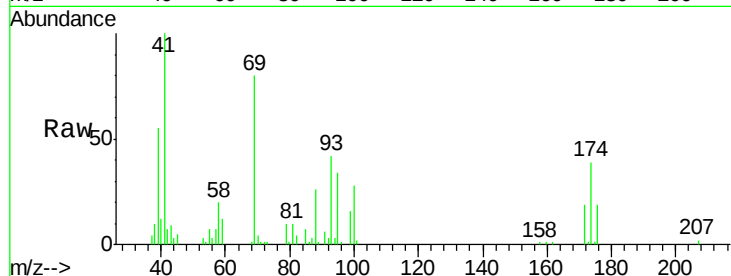
#49
1,4-Dioxane
Concen: 447.490 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	30.8	46.2
58	72.9	59.8	89.8

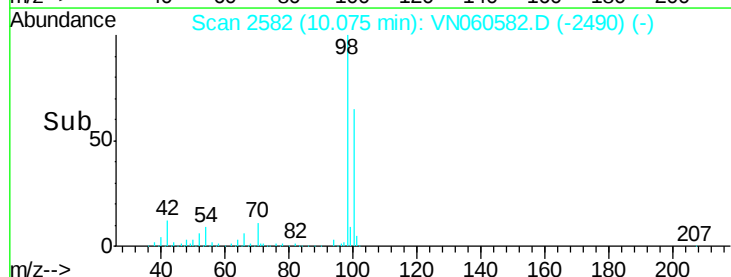
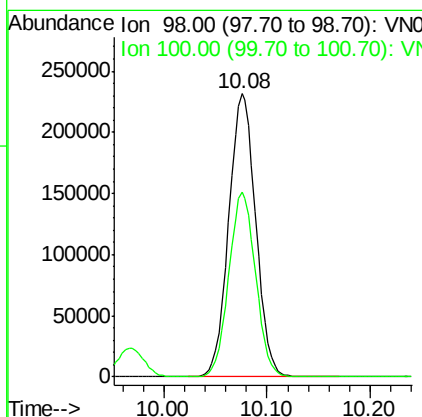
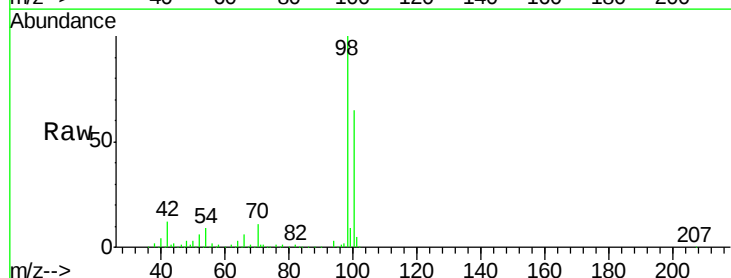
Manual Integrations
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#50
Toluene-d8
Concen: 47.912 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 92.149 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 43 Resp: 322396

Ion Ratio Lower Upper

43 100

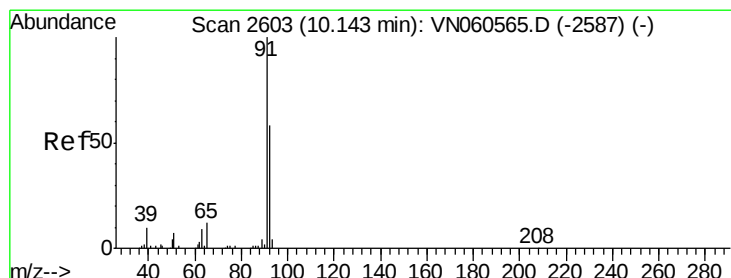
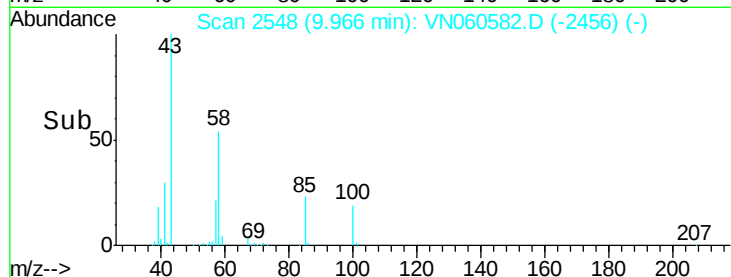
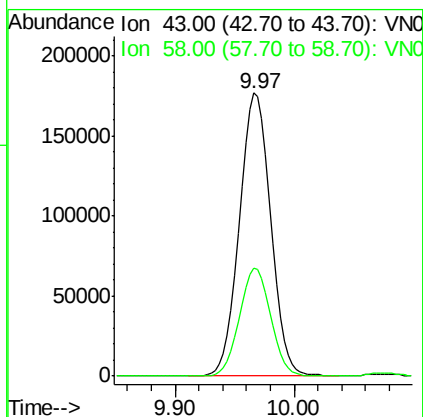
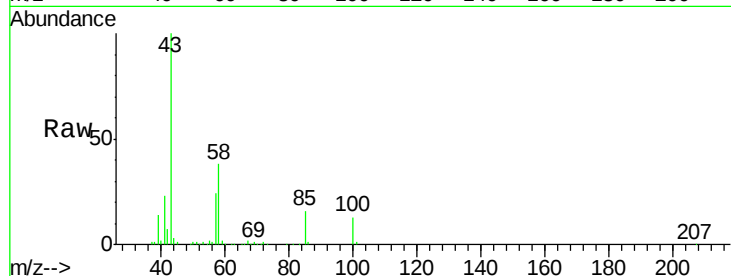
58 38.0 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 18.838 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060582.D

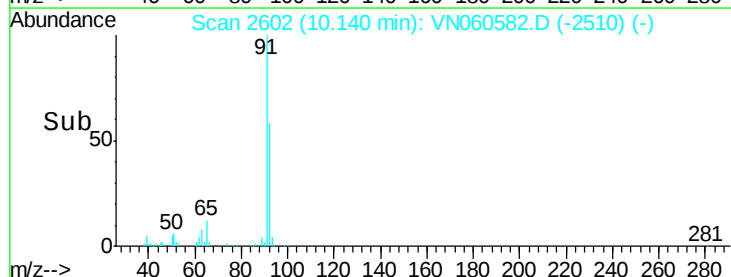
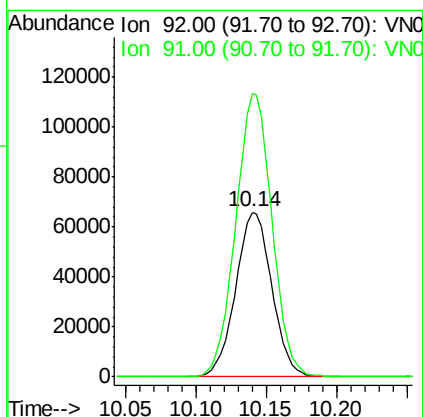
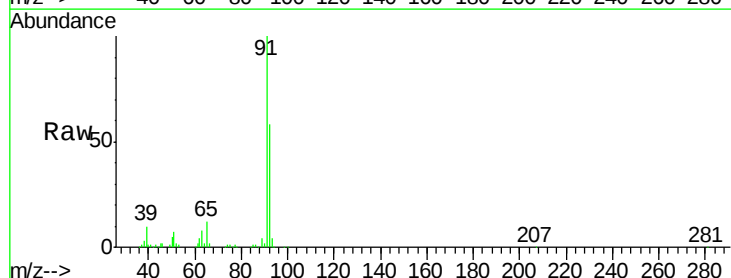
Acq: 18 Mar 2020 11:31

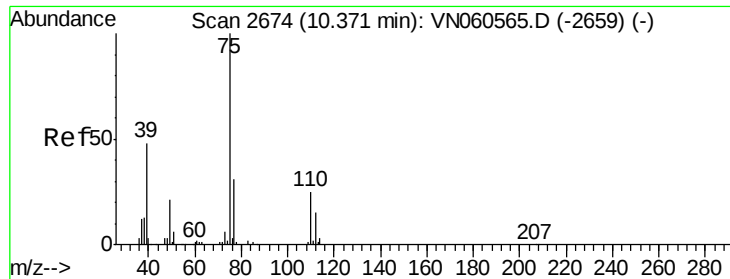
Tgt Ion: 92 Resp: 118496

Ion Ratio Lower Upper

92 100

91 172.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.198 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 75 Resp: 76139

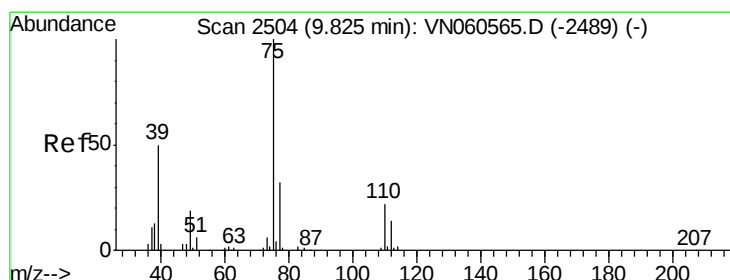
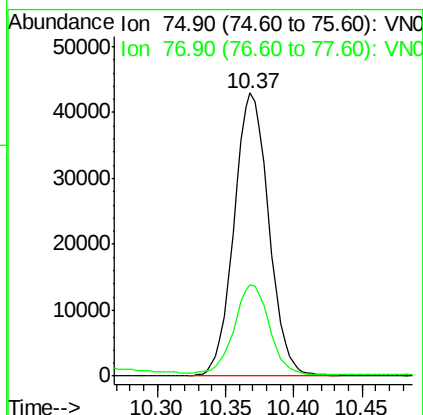
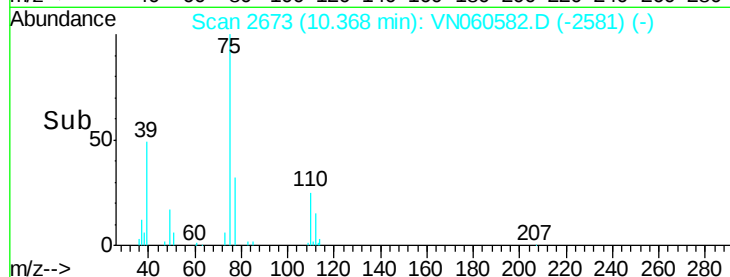
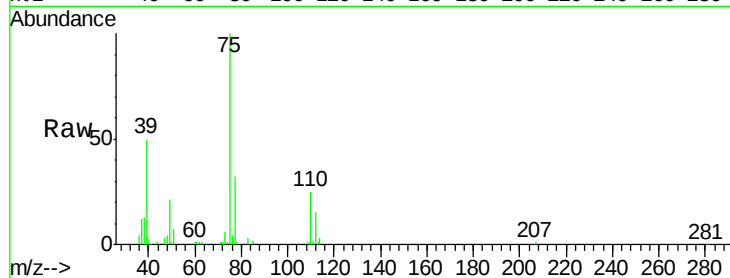
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 18.978 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

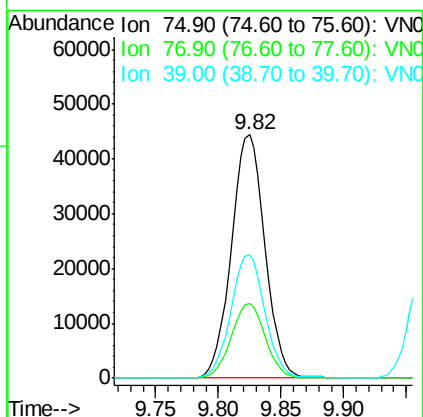
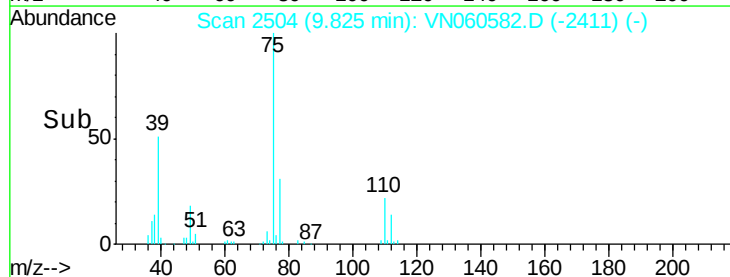
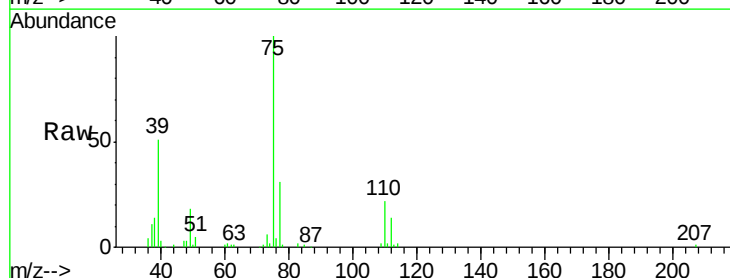
Tgt Ion: 75 Resp: 82571

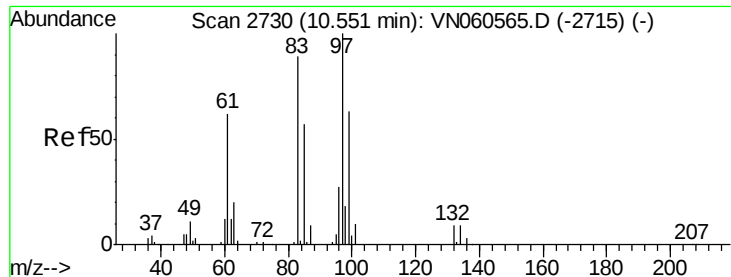
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 50.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 18.808 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

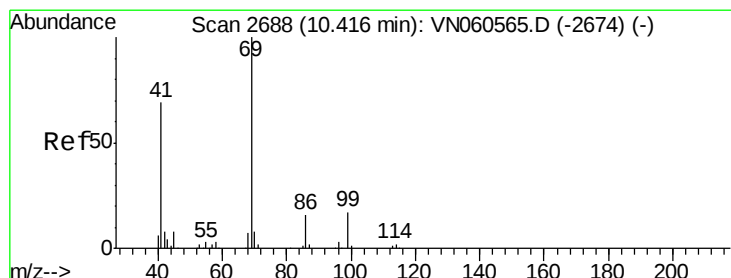
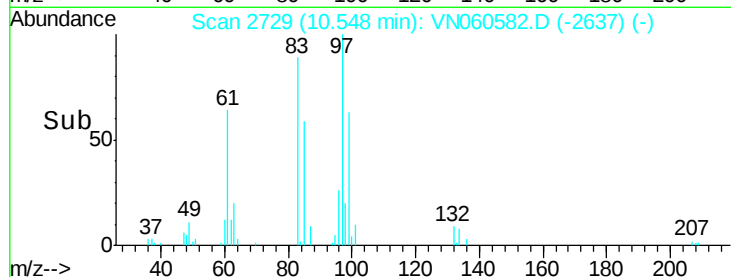
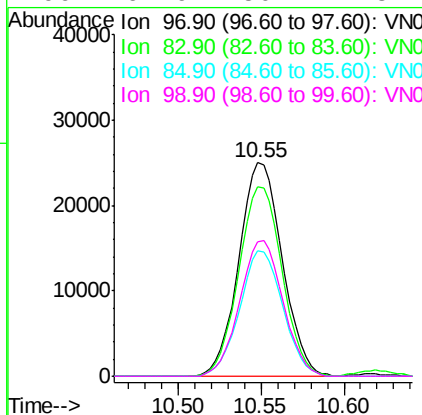
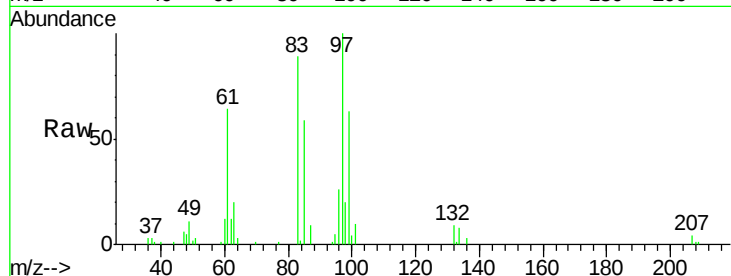
ClientSampleId :

VN0318WBSD01

Tot Ion:	97	Resp:	45514
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.3	106.9
85	58.6	45.2	67.8
99	62.9	50.1	75.1

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#56

Ethyl methacrylate

Concen: 18.465 ug/l

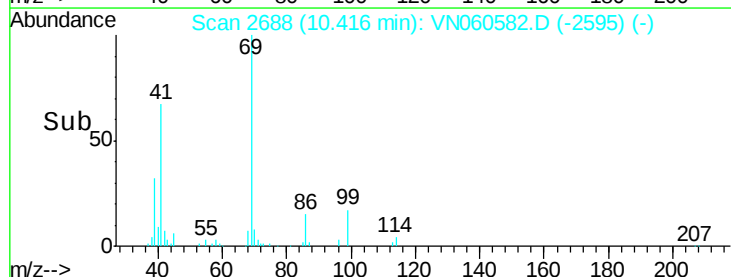
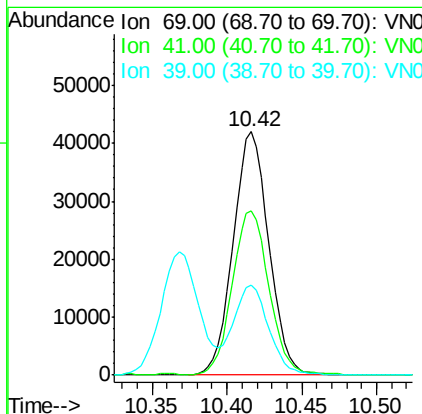
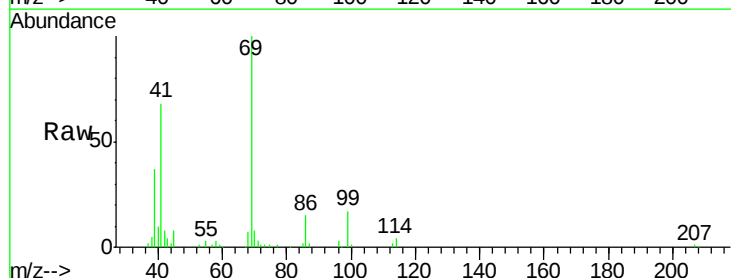
RT: 10.42 min Scan# 2688

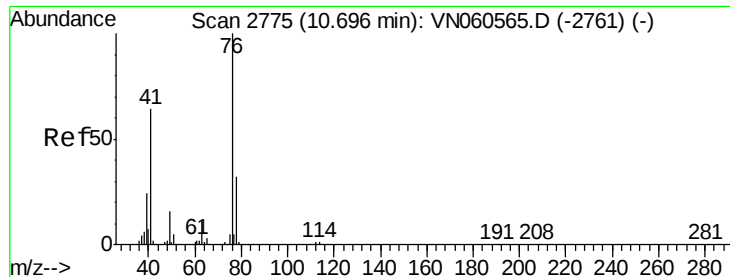
Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	69	Resp:	69673
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.4	83.2
39	37.2	29.4	44.0





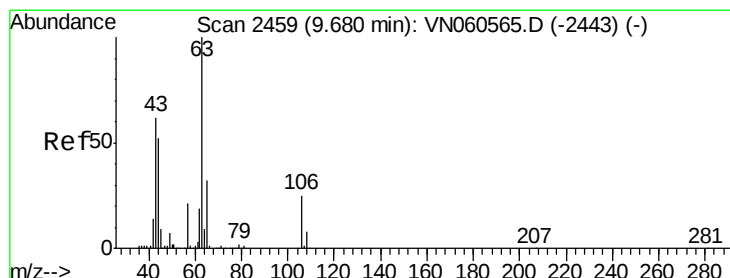
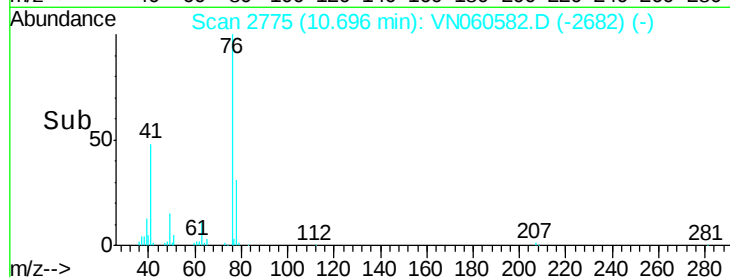
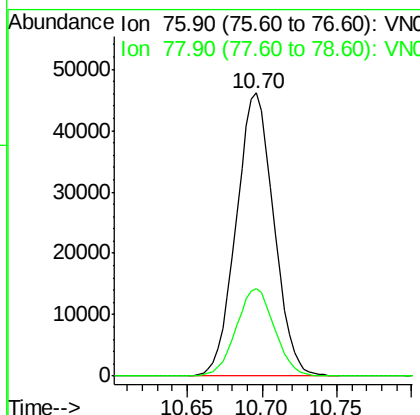
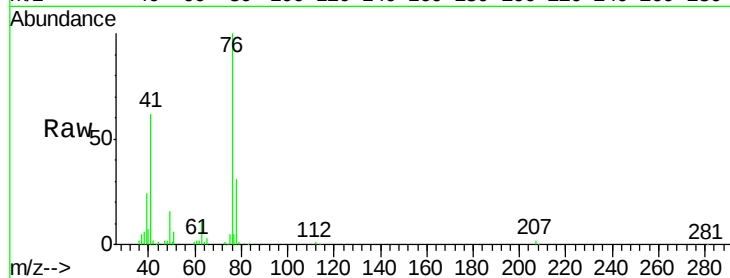
#57
 1,3-Dichloropropane
 Concen: 19.208 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion: 76 Resp: 80662
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6

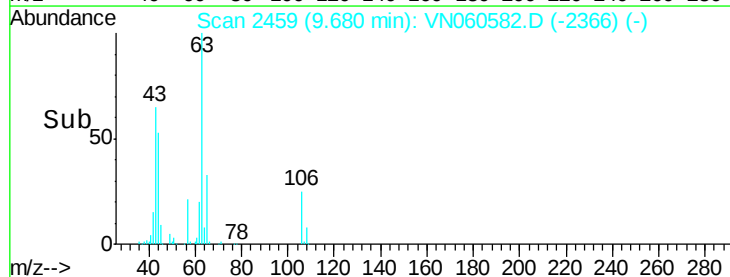
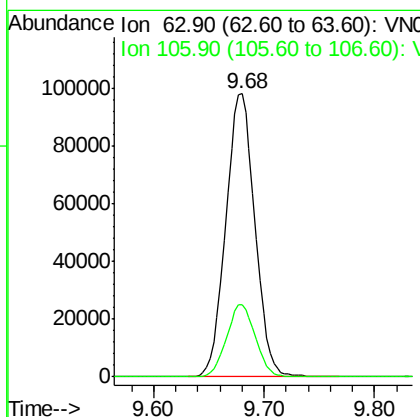
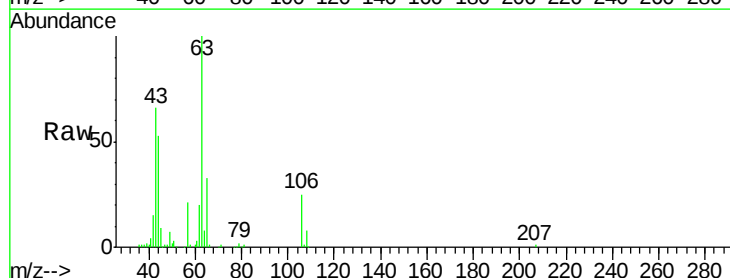
Manual Integrations
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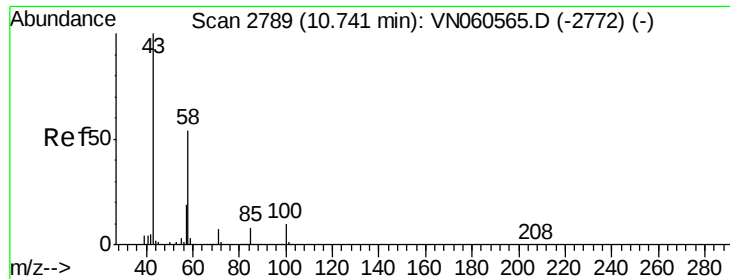
MMDadoda
 3/19/2020 1:02:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.680 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion: 63 Resp: 179432
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.0 30.0





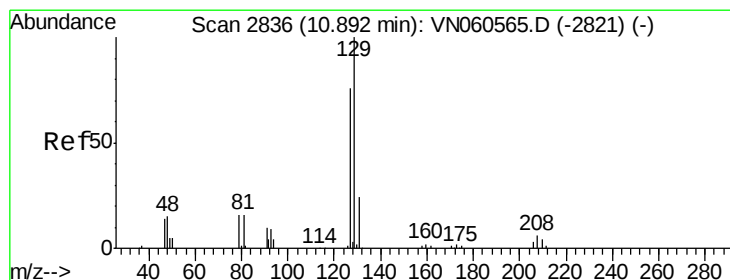
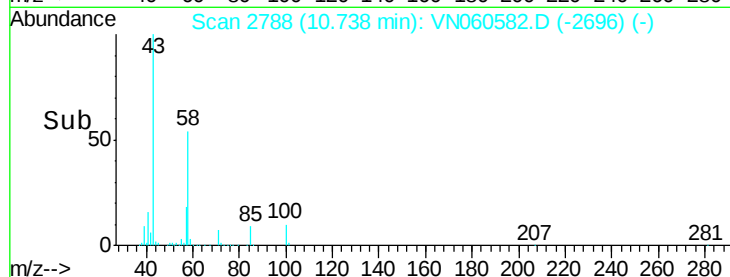
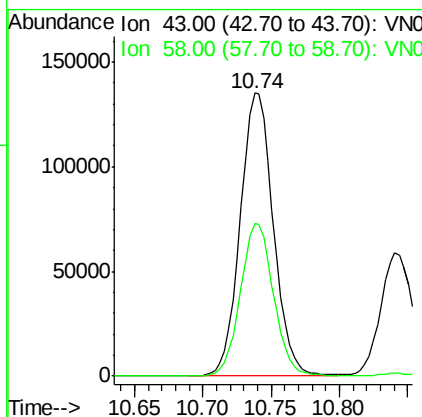
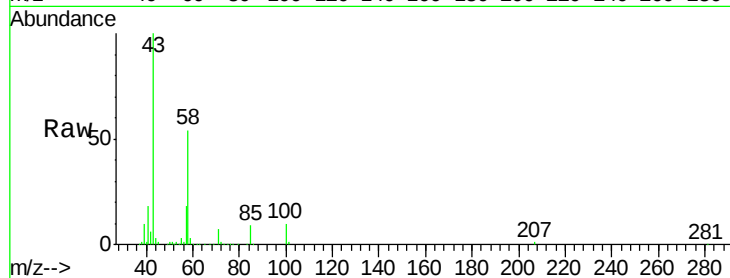
#59
2-Hexanone
Concen: 90.636 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion: 43 Resp: 228426
Ion Ratio Lower Upper
43 100
58 53.9 26.7 80.1

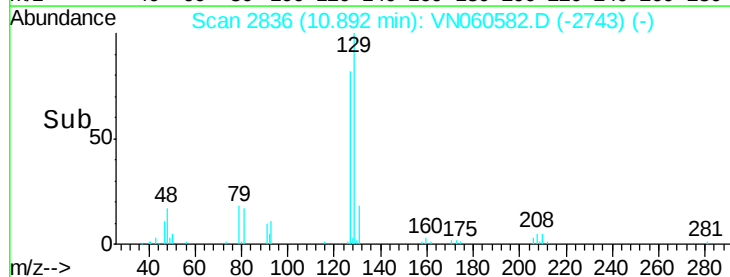
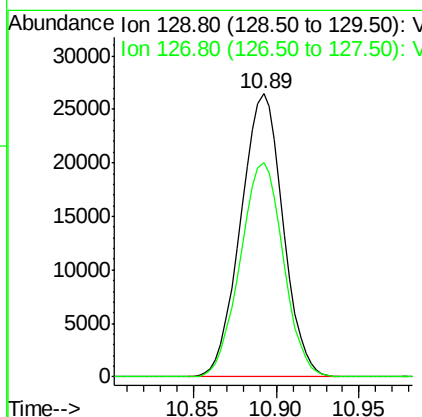
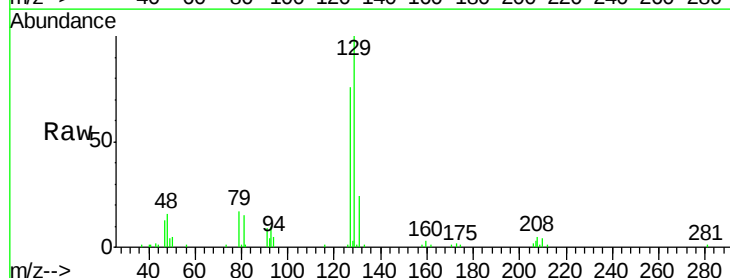
Manual Integrations
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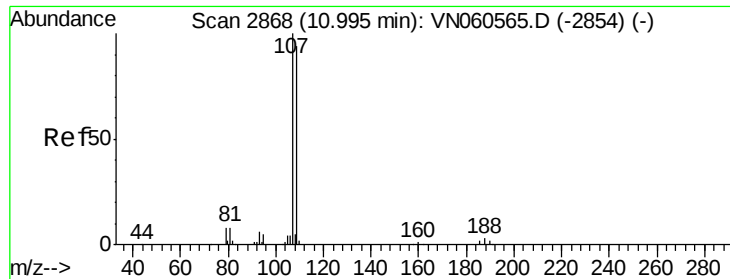
MMDadoda
3/19/2020 1:02:54 PM



#60
Dibromochloromethane
Concen: 18.831 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion: 129 Resp: 47071
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





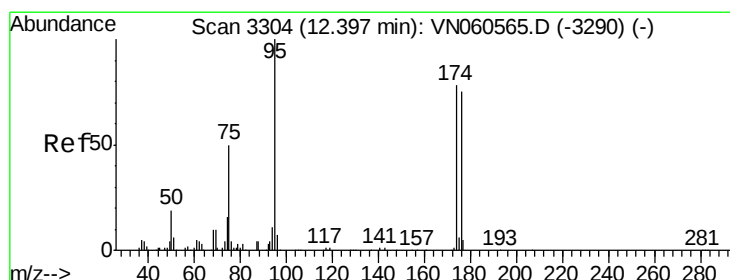
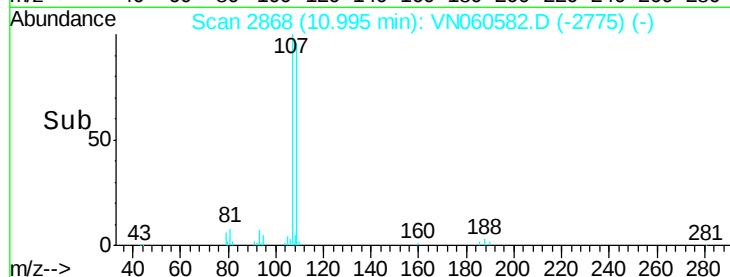
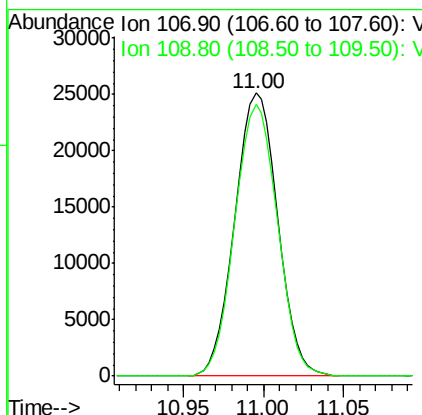
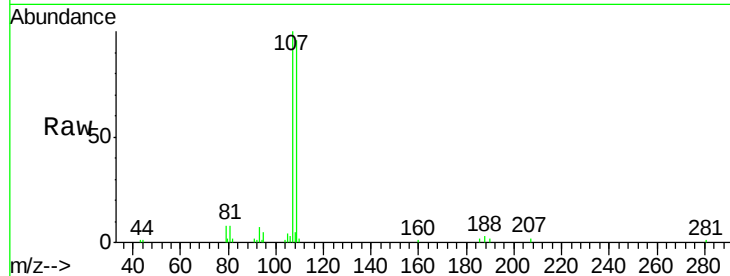
#61
 1,2-Dibromoethane
 Concen: 18.891 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion: 107 Resp: 45969
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.4 113.2

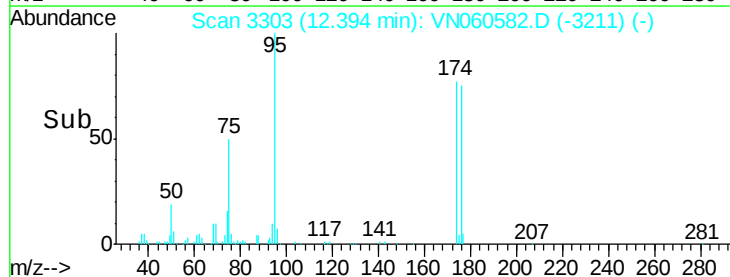
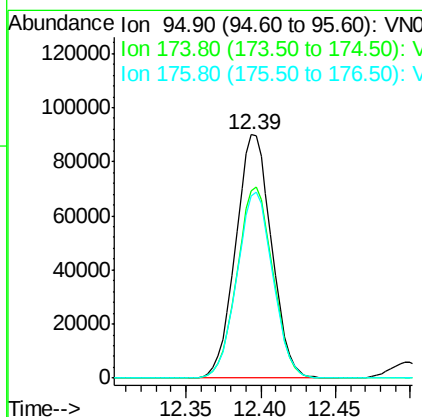
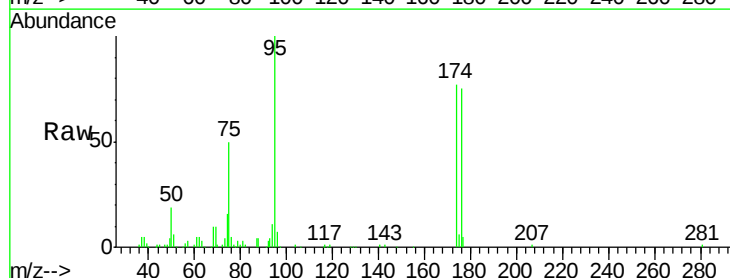
Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:54 PM



#62
 4-Bromofluorobenzene
 Concen: 46.617 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion: 95 Resp: 150349
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 157.6
 176 76.2 0.0 150.6





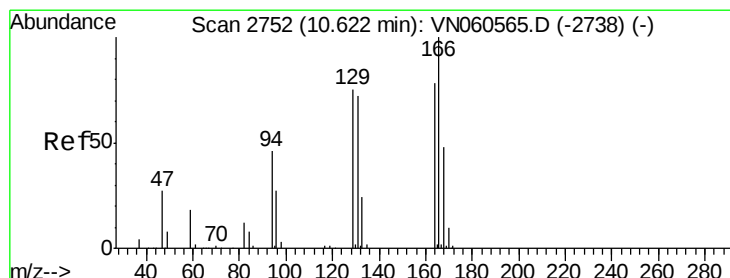
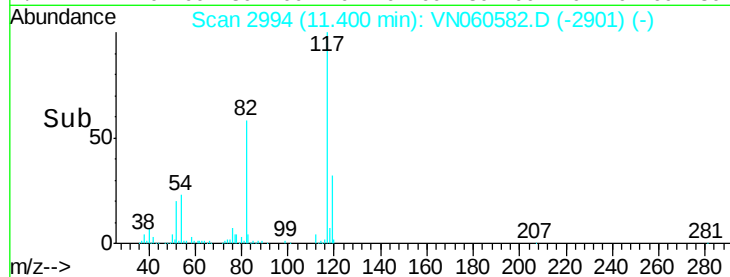
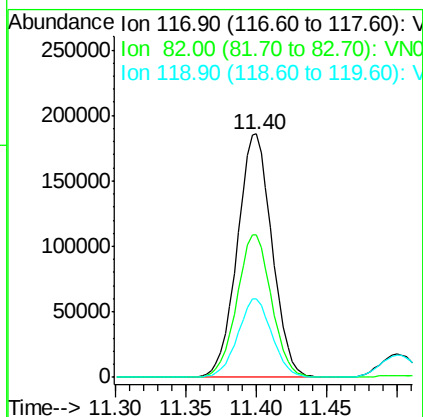
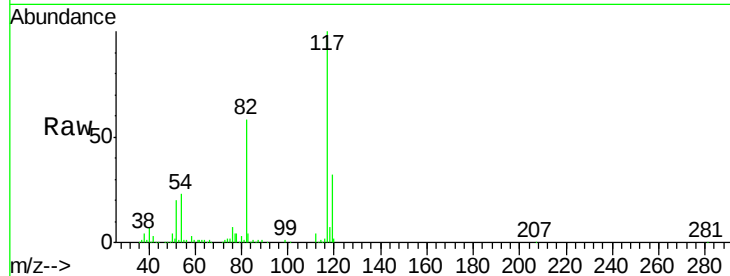
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.7	70.1
119	32.3	25.5	38.3

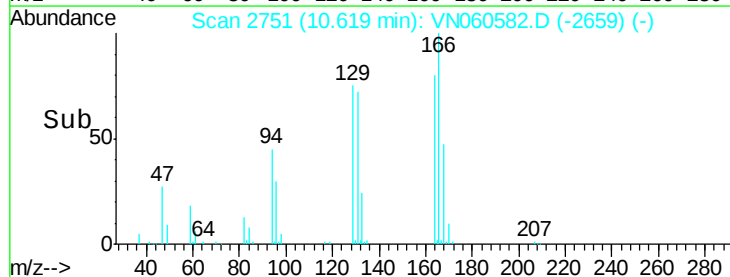
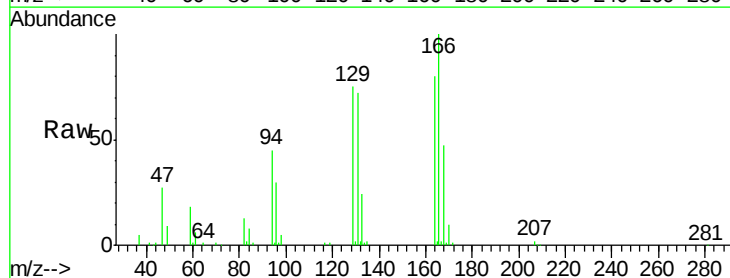
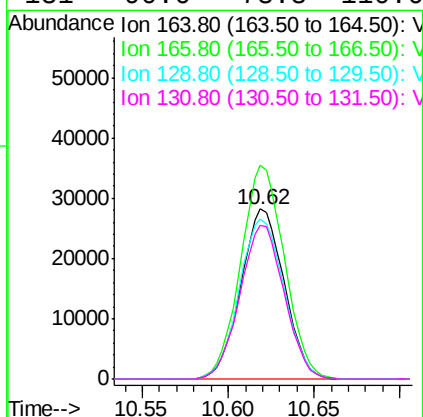
Manual Integrations
APPROVED

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3/19/2020 1:02:54 PM



#64
Tetrachloroethene
Concen: 19.555 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.7	154.1
129	93.9	77.2	115.8
131	90.6	73.8	110.6





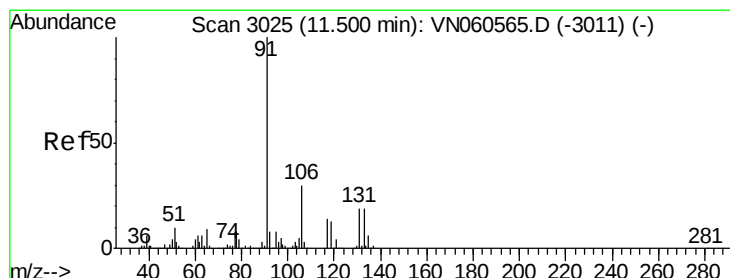
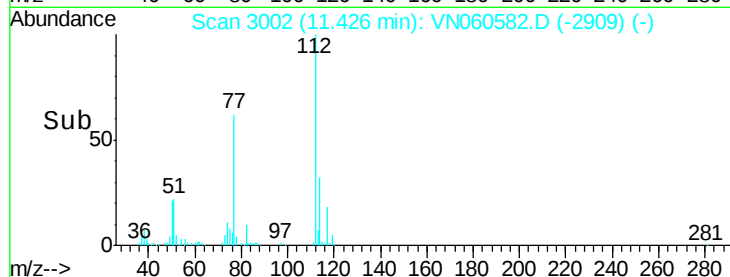
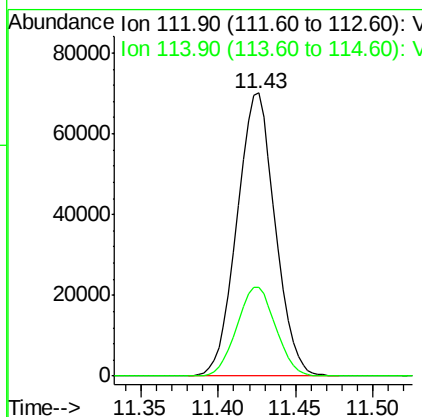
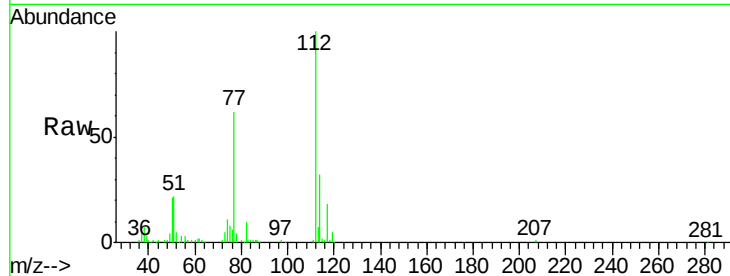
#65
Chlorobenzene
Concen: 18.846 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

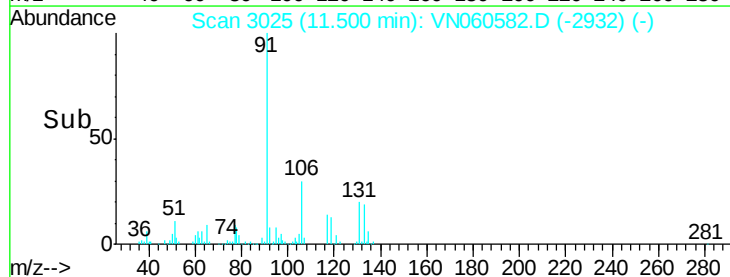
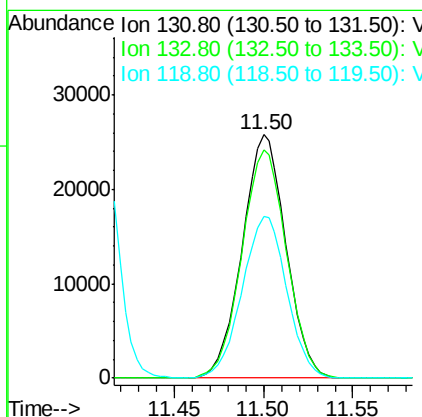
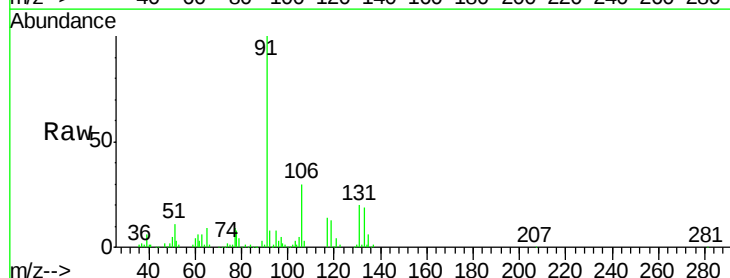
Manual Integrations
APPROVED

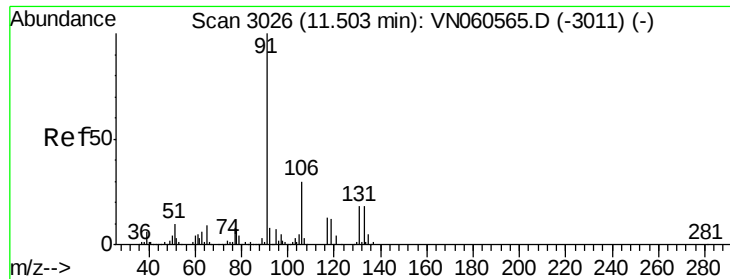
MMDadoda
3/19/2020 1:02:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.190 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.9	146.8
119	67.7	33.9	101.7





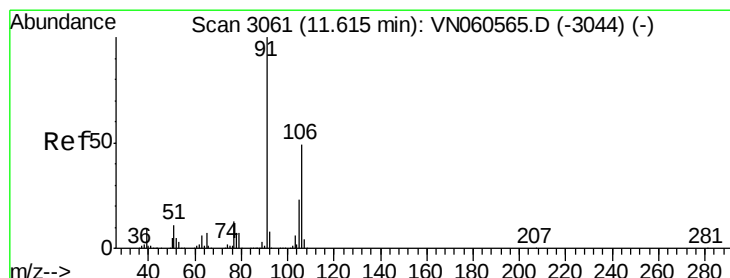
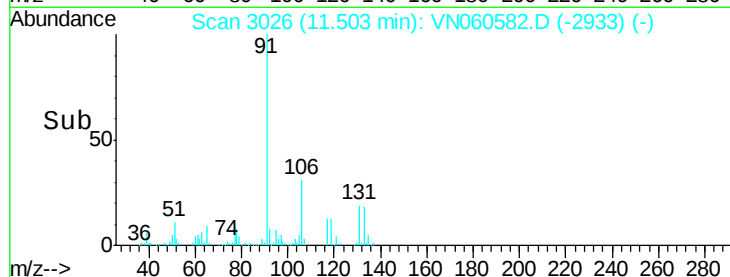
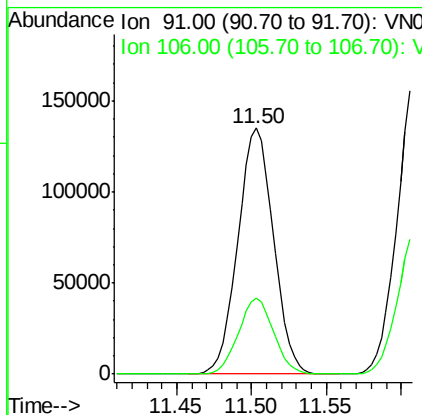
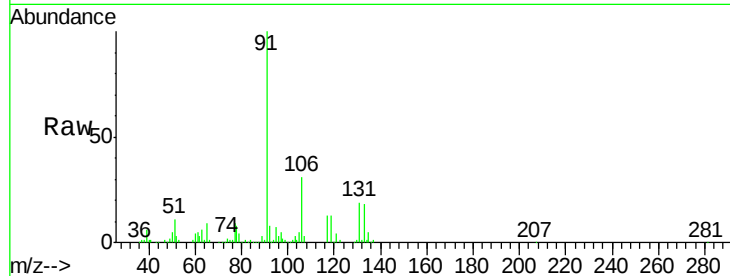
#67
Ethyl Benzene
Concen: 18.890 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0318WBSD01

Tot Ion: 91 Resp: 223670
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

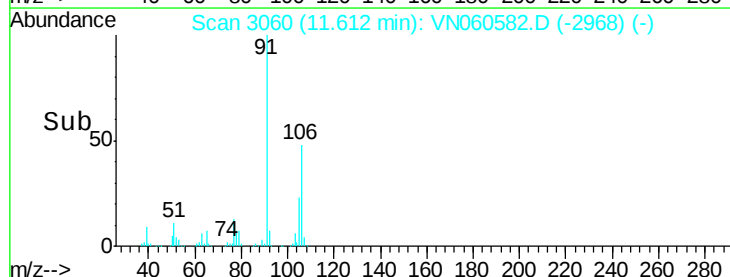
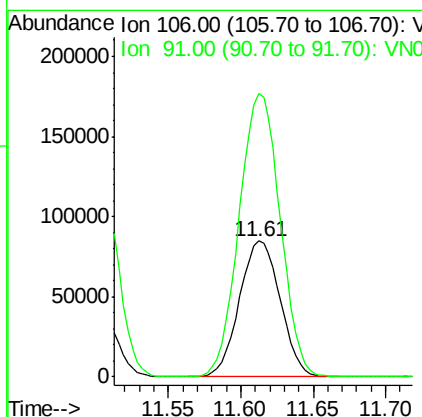
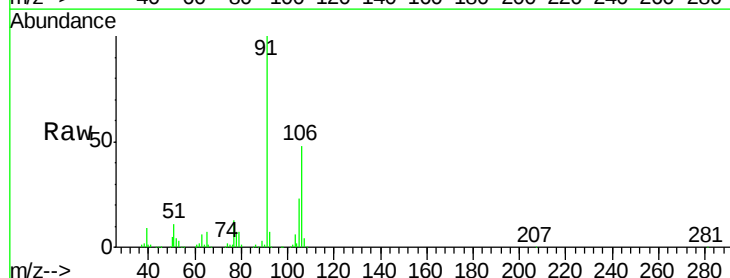
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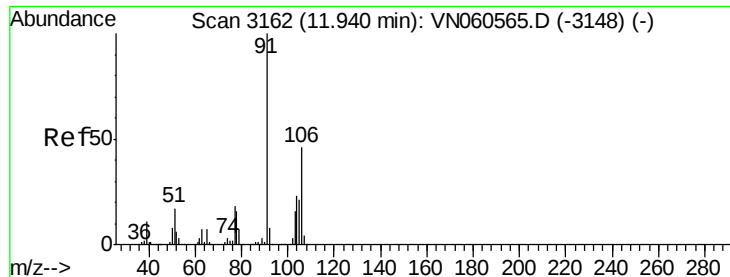
MMDadoda
3/19/2020 1:02:54 PM



#68
m/p-Xylenes
Concen: 37.828 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion: 106 Resp: 166449
Ion Ratio Lower Upper
106 100
91 208.9 165.0 247.4





#69

o-Xylene

Concen: 19.217 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion:106 Resp: 80719

Ion Ratio Lower Upper

106 100

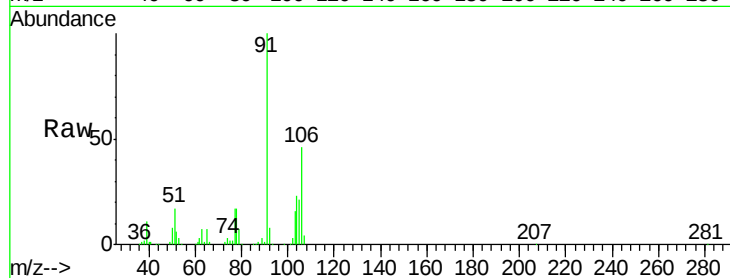
91 217.6 109.5 328.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

120000

100000

80000

60000

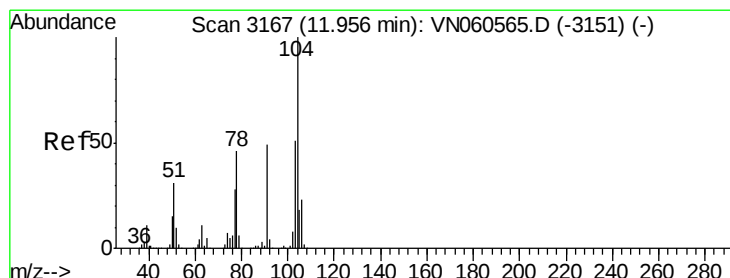
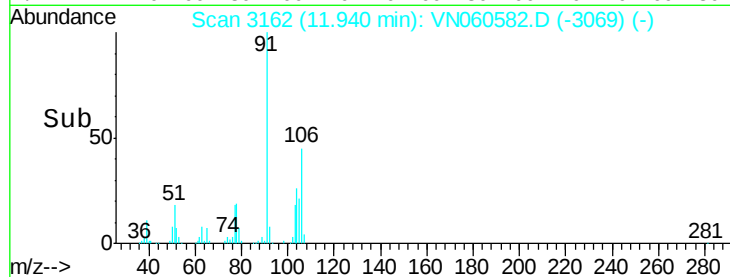
40000

20000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.452 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

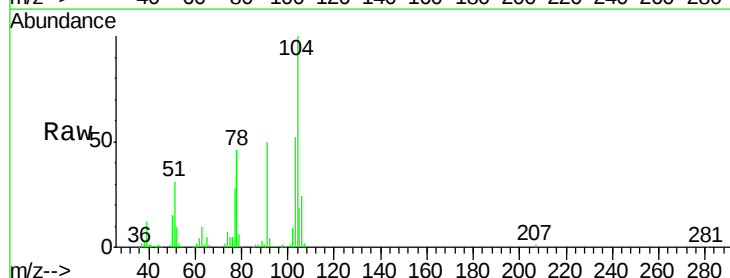
Tgt Ion:104 Resp: 126764

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

103 55.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

100000

80000

60000

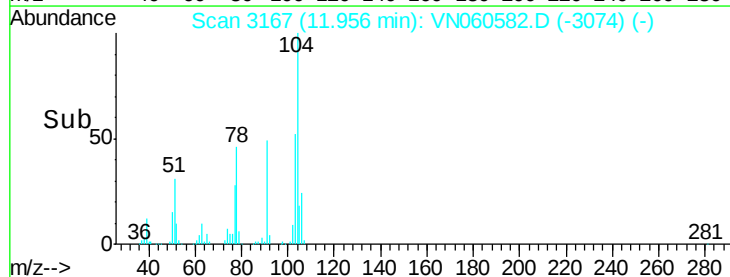
40000

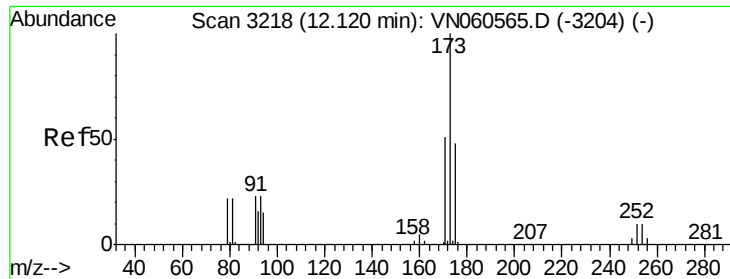
20000

0

11.90 11.95 12.00

Time-->





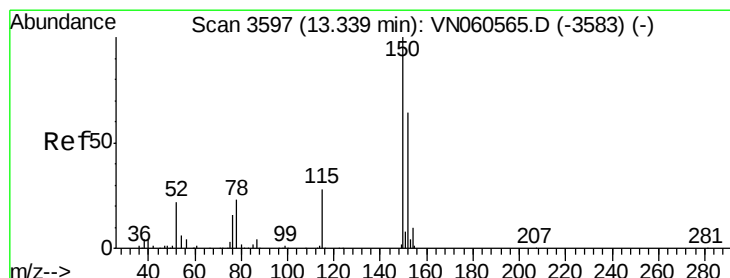
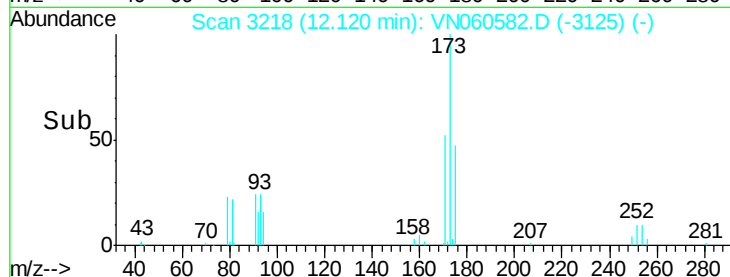
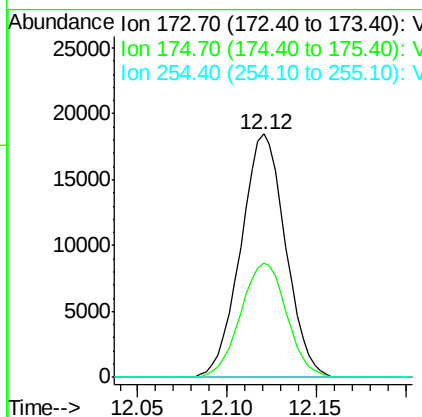
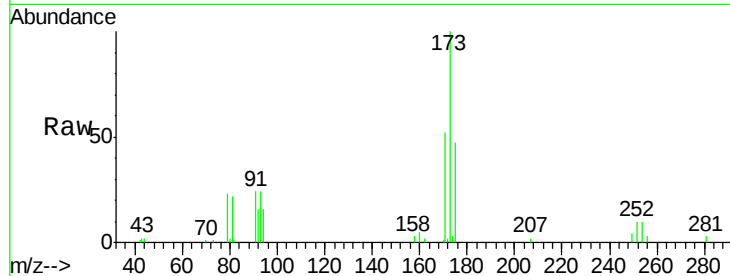
#71
Bromoform
Concen: 17.952 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.0	0.0	0.0

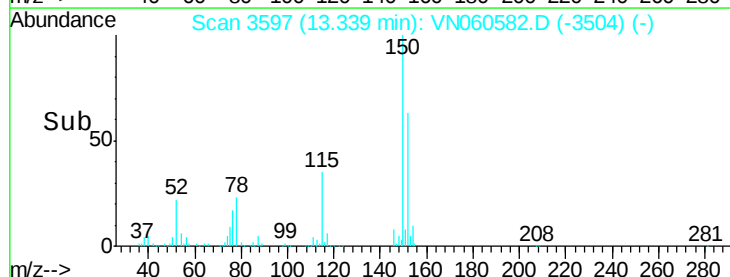
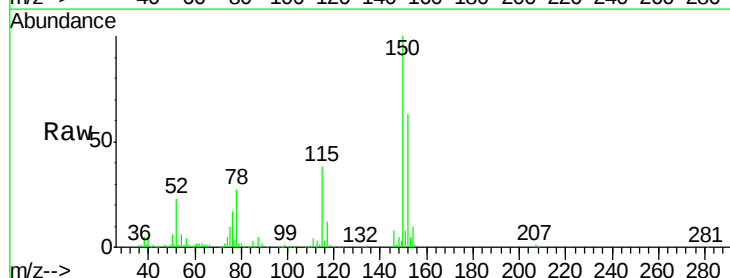
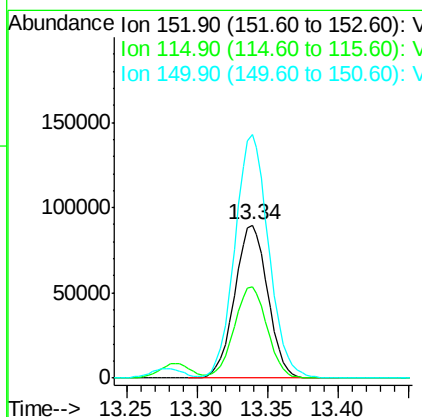
Manual Integrations
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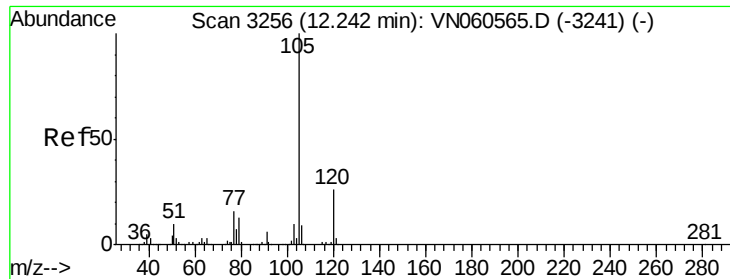
MMDadoda
3/19/2020 1:02:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.2	90.6
150	162.4	0.0	350.2





#73

Isopropylbenzene

Concen: 19.270 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion: 105 Resp: 213363

Ion Ratio Lower Upper

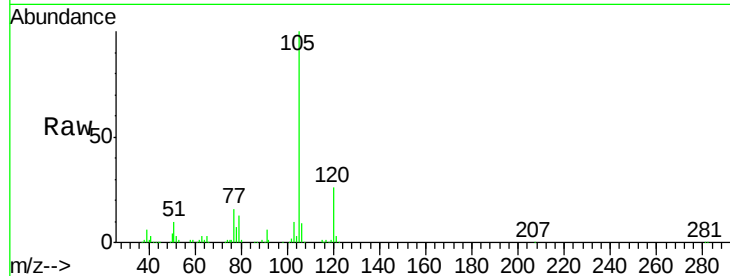
105 100

120 26.0 13.1 39.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

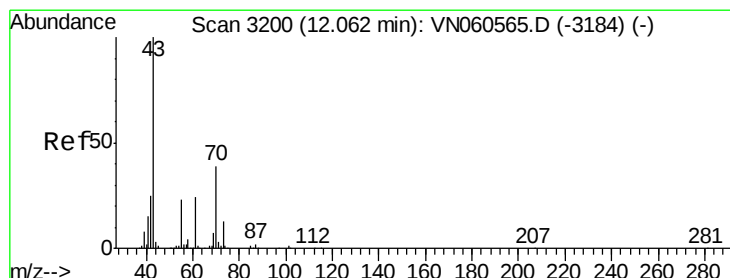
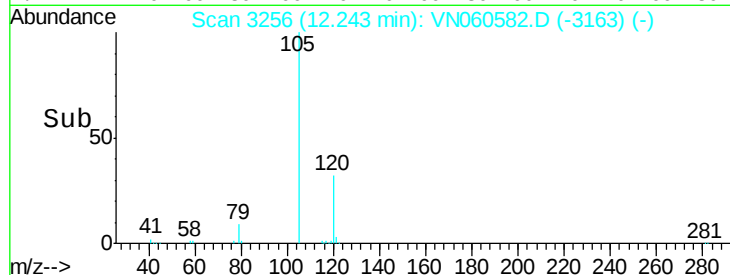
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.771 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion: 43 Resp: 96039

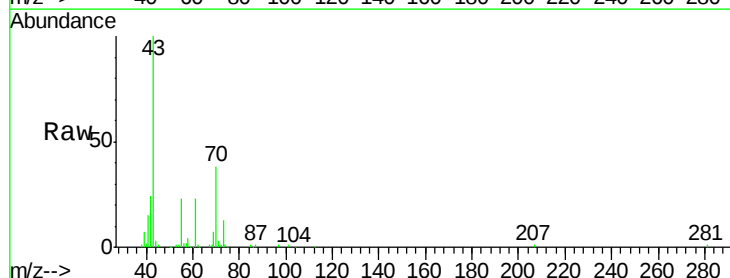
Ion Ratio Lower Upper

43 100

70 38.4 31.1 46.7

55 23.3 18.6 27.8

61 22.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

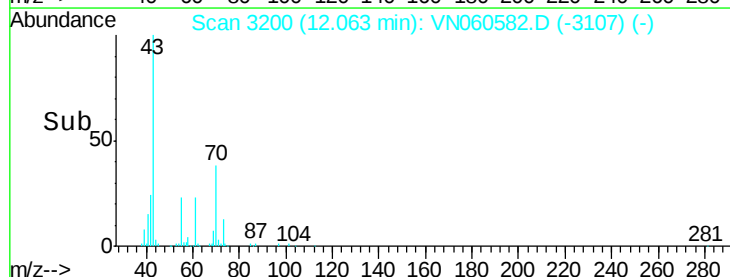
60000

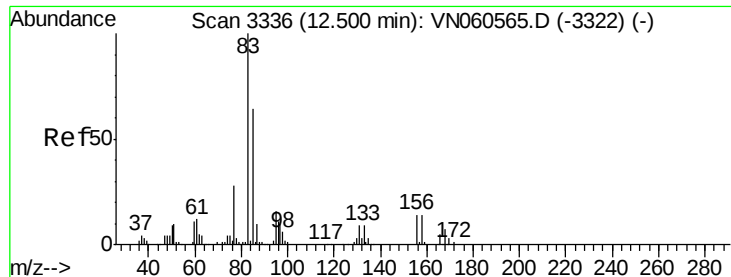
40000

20000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 18.523 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

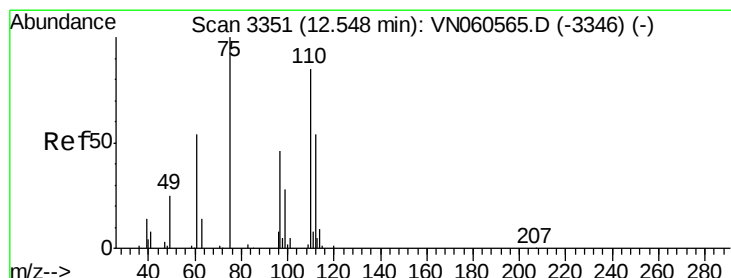
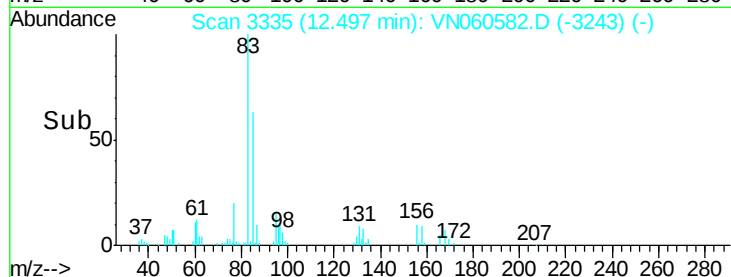
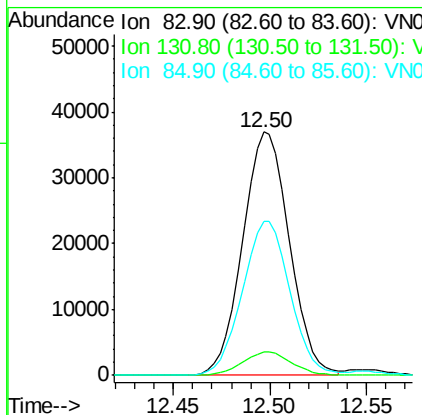
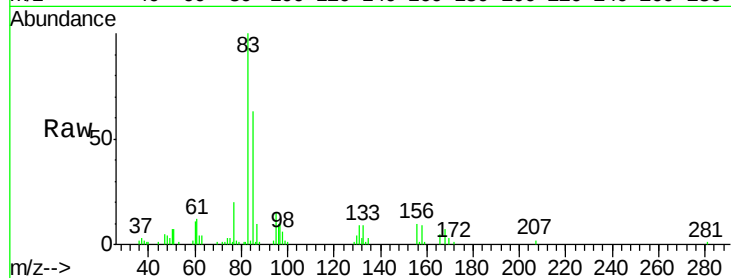
ClientSampleId :

VN0318WBSD01

Tot Ion:	83	Resp:	62022
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.656 ug/l m

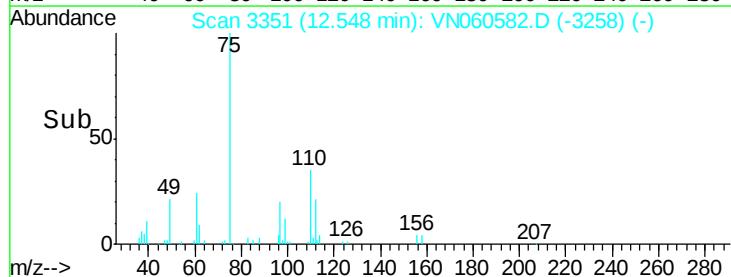
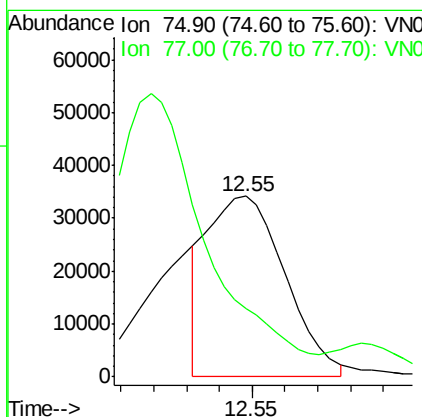
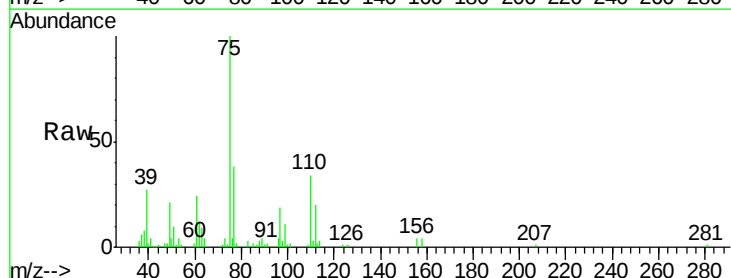
RT: 12.55 min Scan# 3351

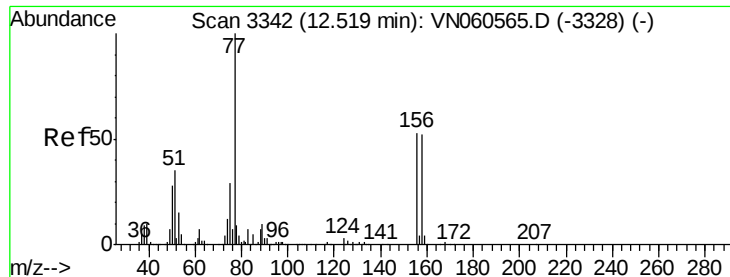
Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	75	Resp:	56210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.780 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD01

Tot Ion:156 Resp: 50106

Ion Ratio Lower Upper

156 100

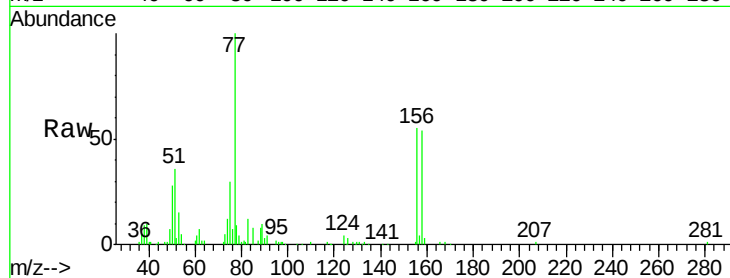
77 223.5 112.3 337.0

158 99.0 48.6 145.8

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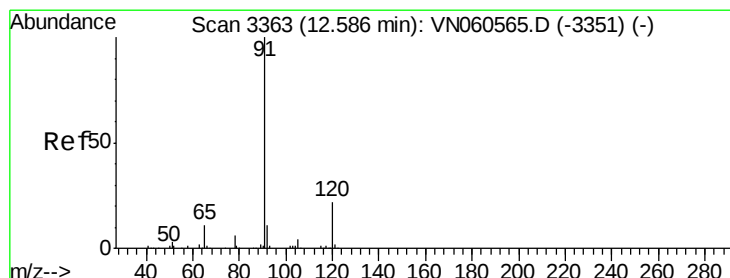
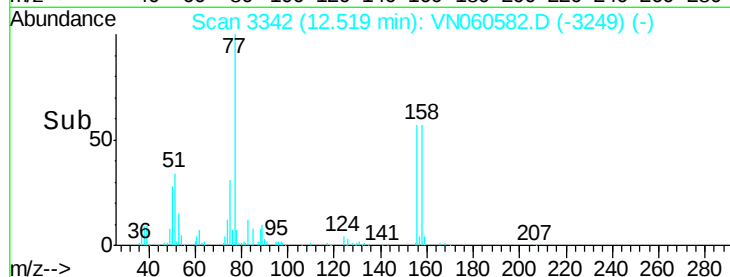
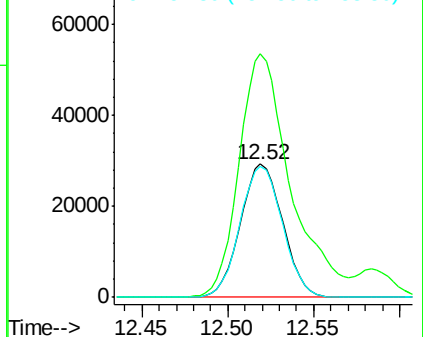
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.019 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060582.D

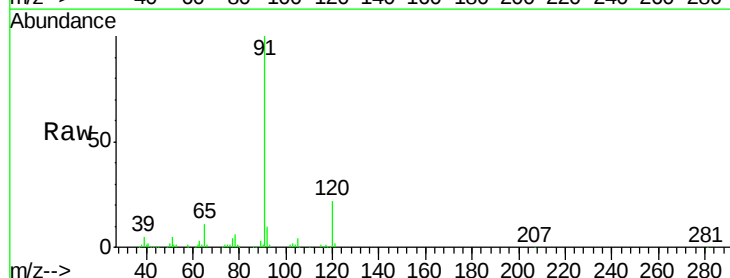
Acq: 18 Mar 2020 11:31

Tgt Ion: 91 Resp: 248791

Ion Ratio Lower Upper

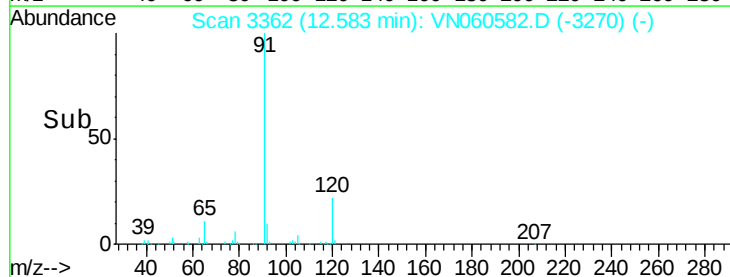
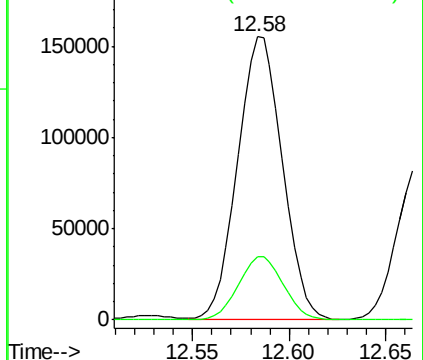
91 100

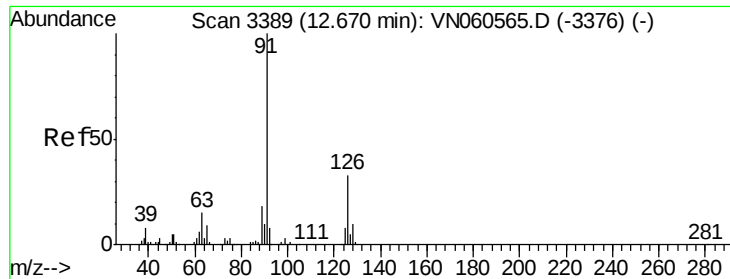
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





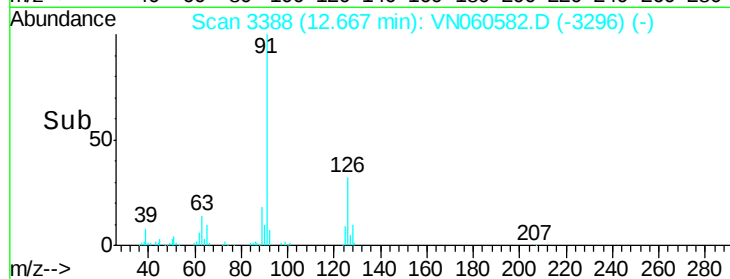
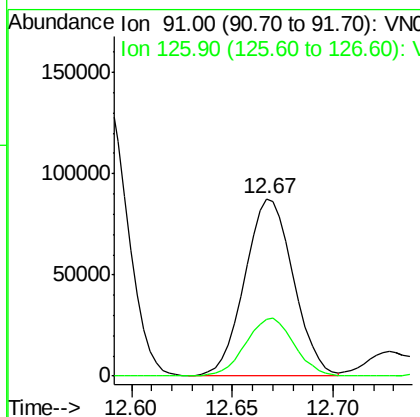
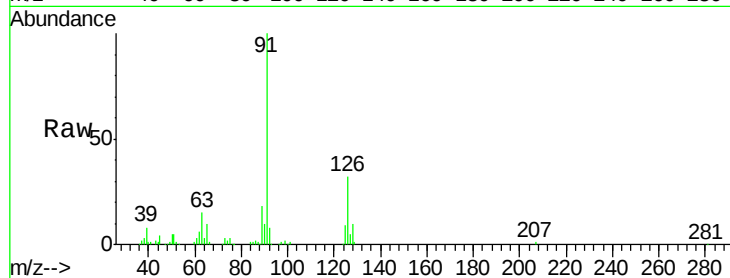
#79
 2-Chlorotoluene
 Concen: 18.802 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion: 91 Resp: 146960
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.1

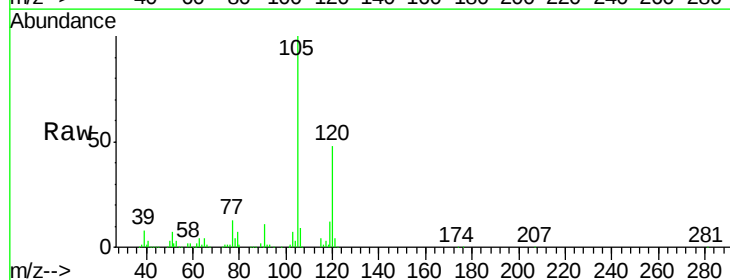
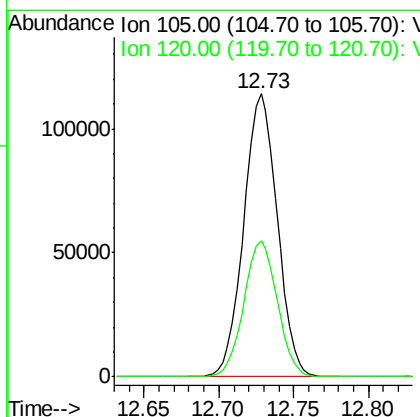
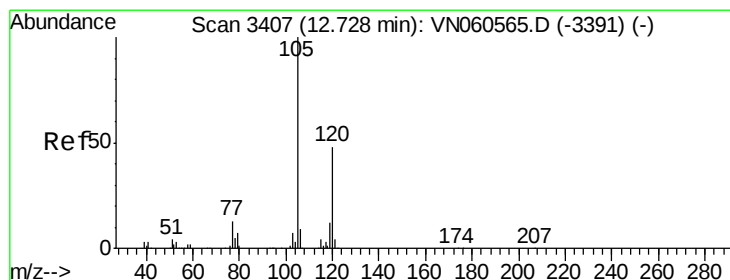
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.948 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion: 105 Resp: 178037
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.592 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Instrument :

MSVOA_N

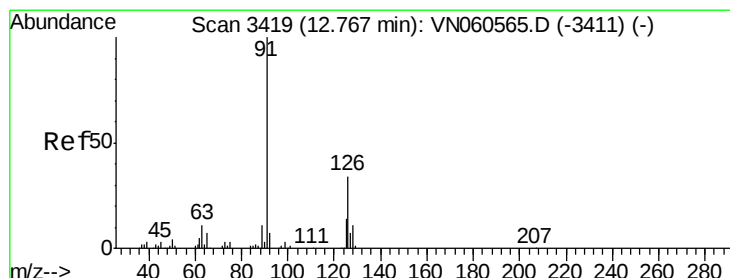
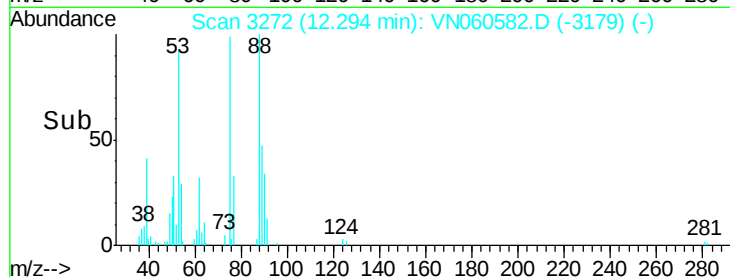
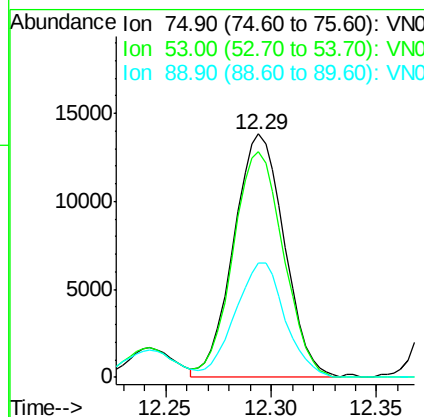
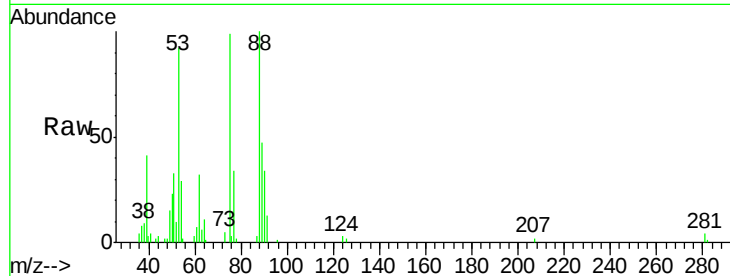
ClientSampleId :

VN0318WBSD01

Tot Ion:	75	Resp:	23047
Ion	Ratio	Lower	Upper
75	100		
53	92.2	73.0	109.4
89	46.4	34.8	52.2

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#82

4-Chlorotoluene

Concen: 19.182 ug/l

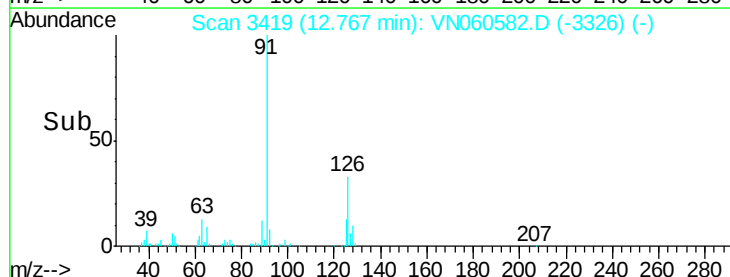
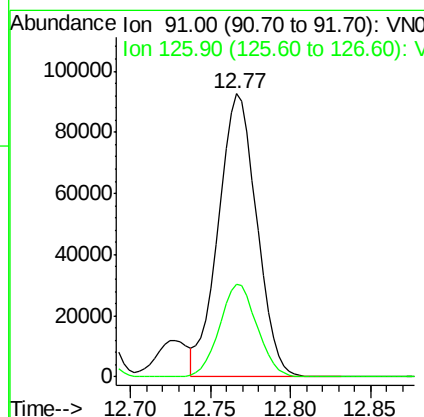
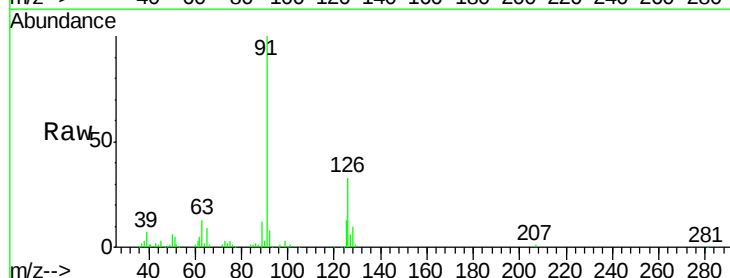
RT: 12.77 min Scan# 3419

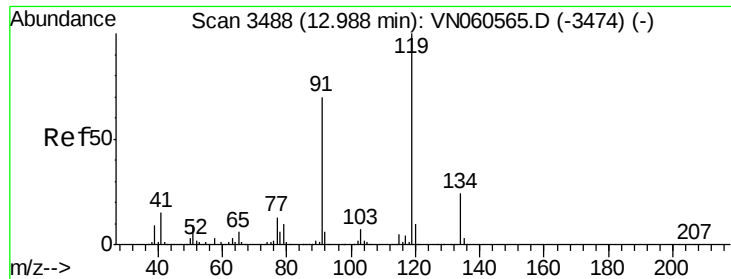
Delta R.T. 0.00 min

Lab File: VN060582.D

Acq: 18 Mar 2020 11:31

Tgt Ion:	91	Resp:	152701
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





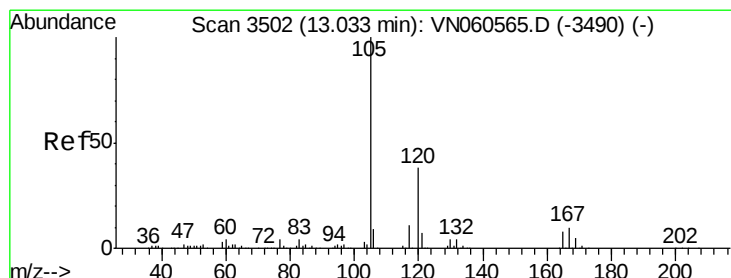
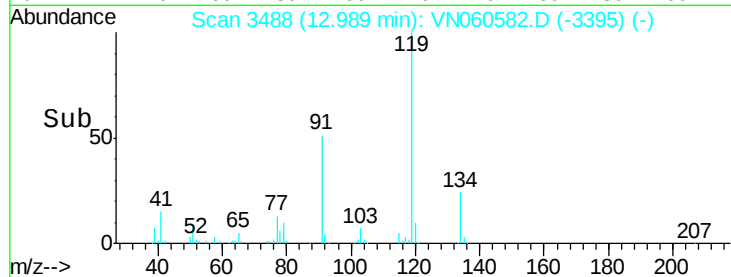
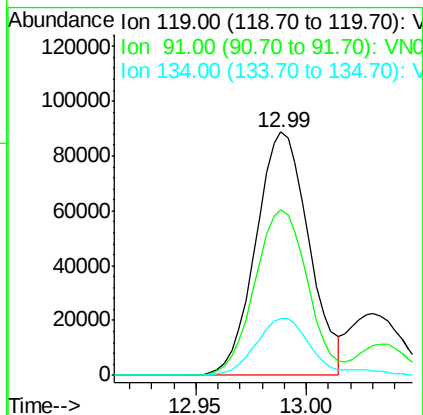
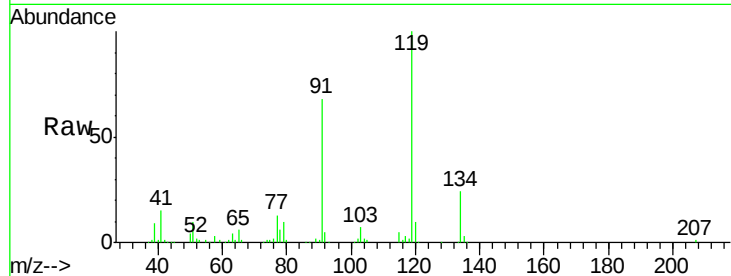
#83
tert-Butylbenzene
Concen: 18.991 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.0	101.8
134	25.1	12.7	38.0

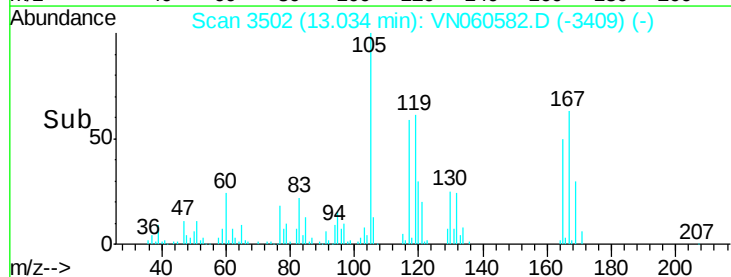
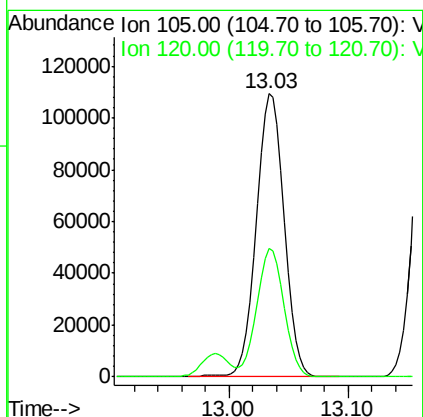
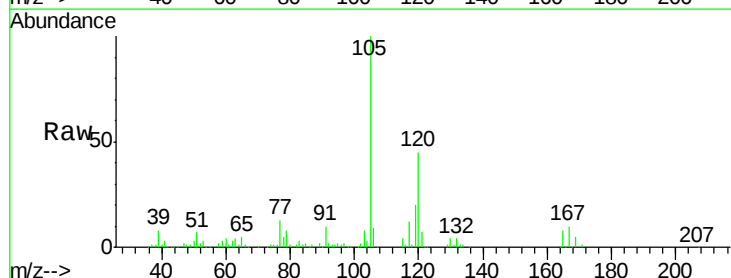
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#84
1,2,4-Trimethylbenzene
Concen: 19.034 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





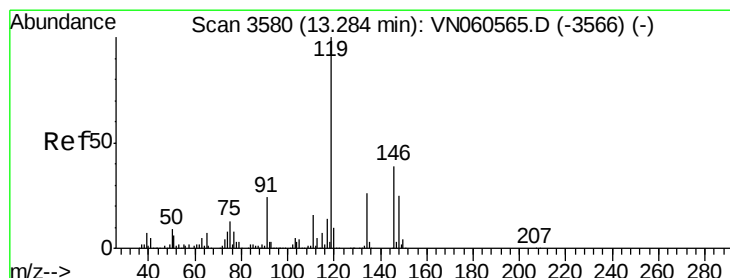
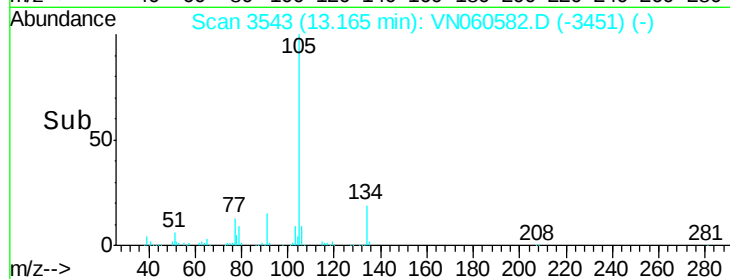
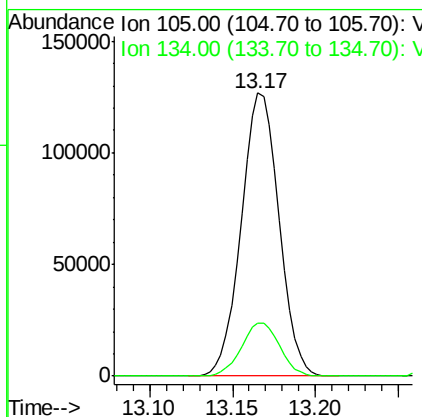
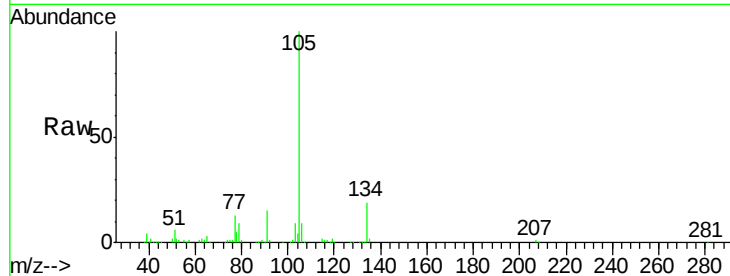
#85
 sec-Butylbenzene
 Concen: 19.180 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200892		
134	19.1	9.6	28.8	

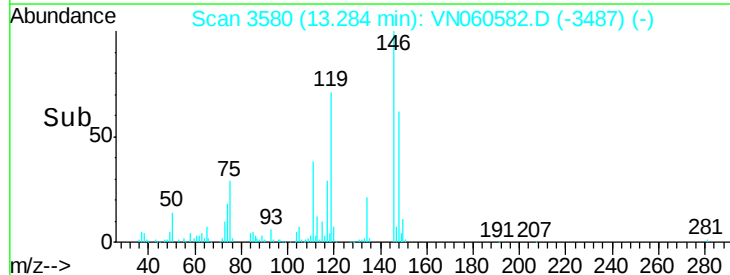
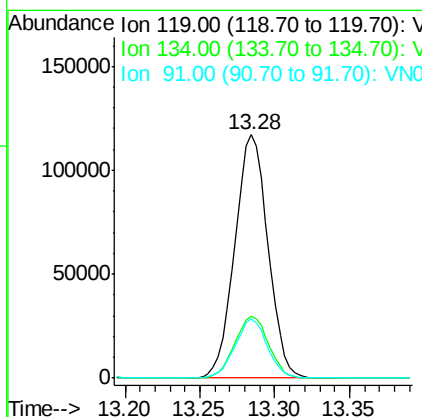
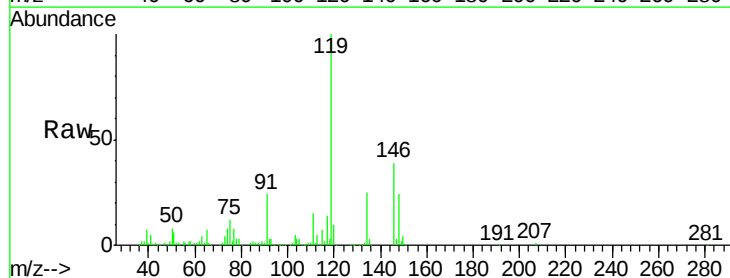
Manual Integrations
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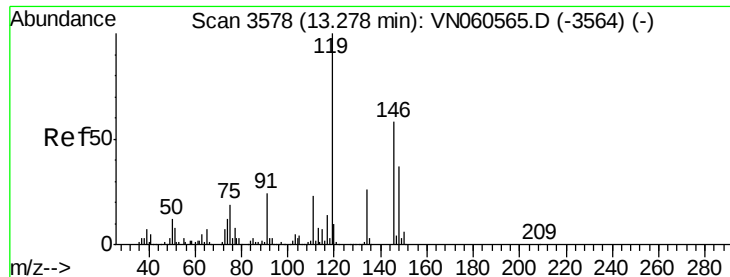
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#86
 p-Isopropyltoluene
 Concen: 19.168 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	180534		
134	25.8	13.0	39.0	
91	23.7	12.0	36.0	





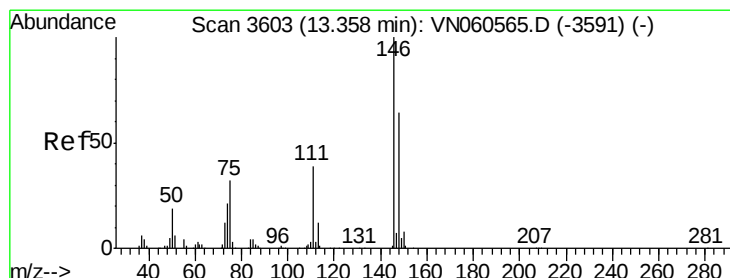
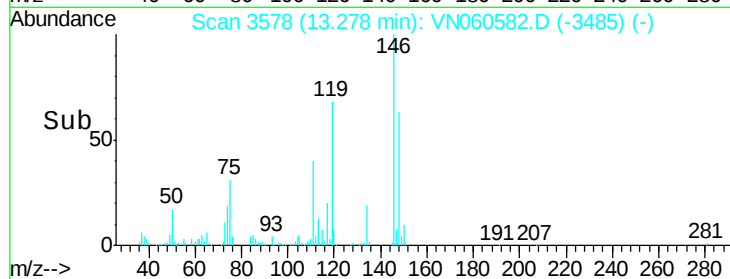
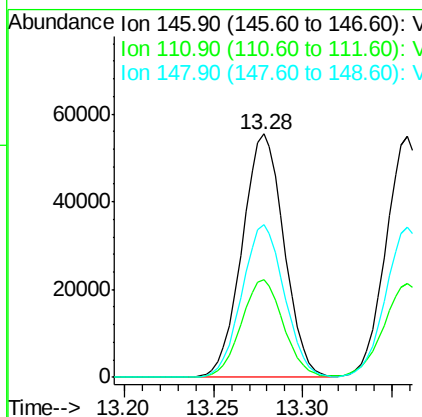
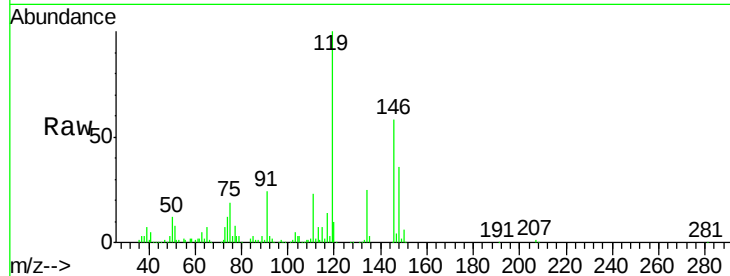
#87
 1,3-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	63.4	32.5	97.4

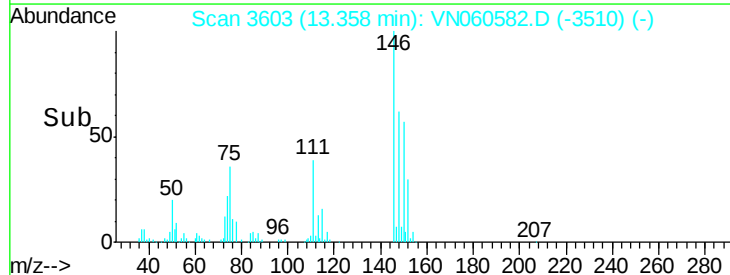
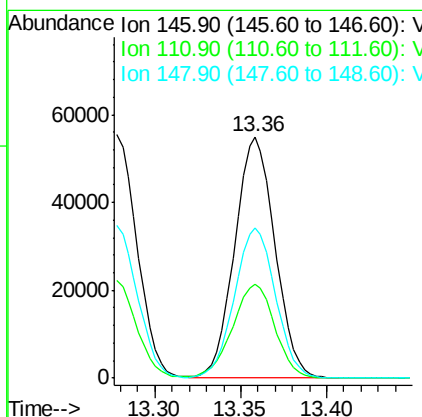
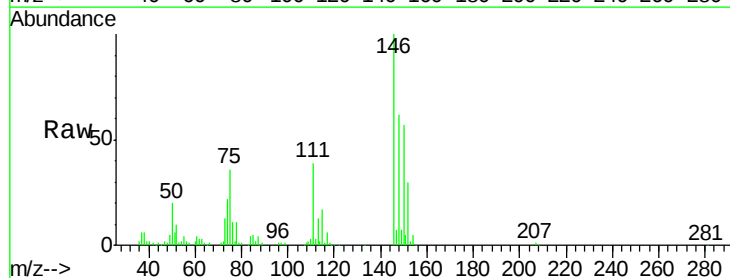
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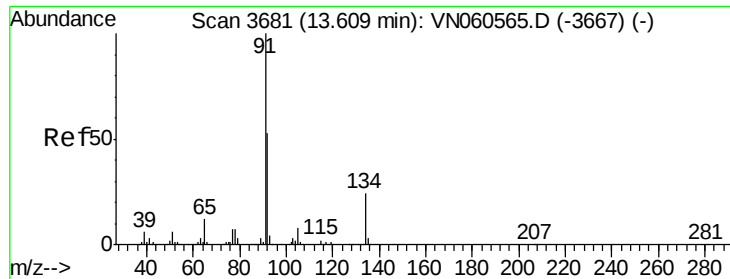
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#88
 1,4-Dichlorobenzene
 Concen: 18.872 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.7
148	63.6	32.1	96.3





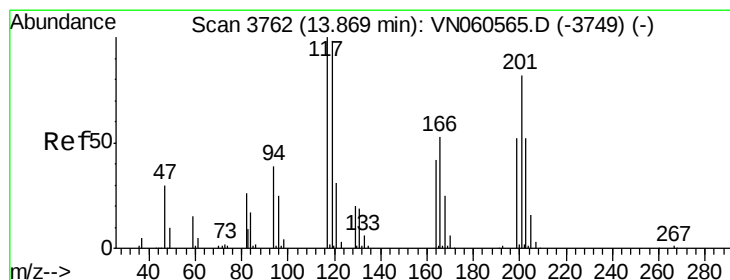
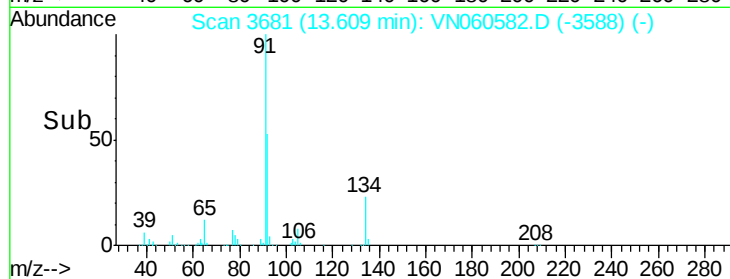
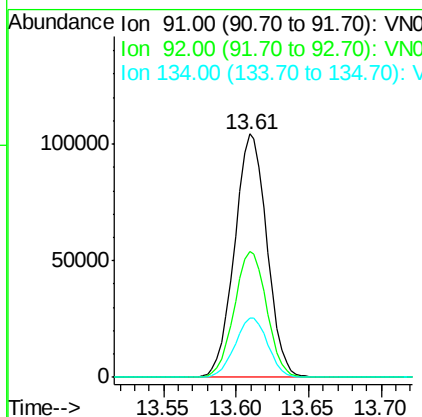
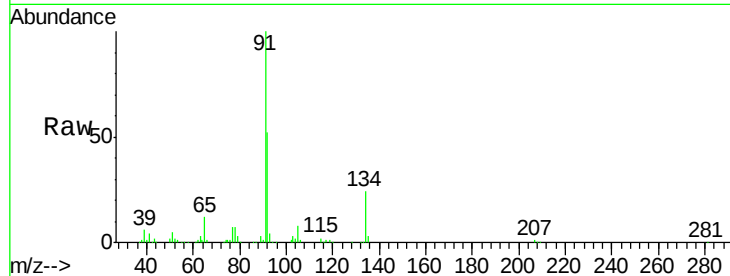
#89
n-Butylbenzene
Concen: 18.957 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	24.7	12.3	36.9

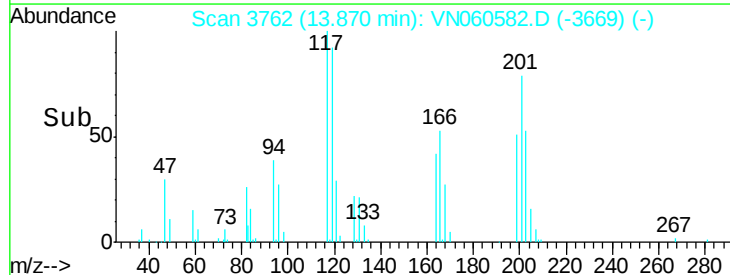
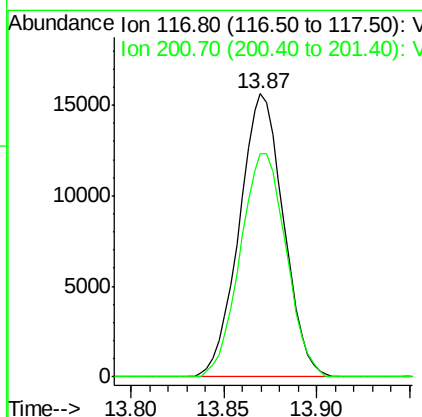
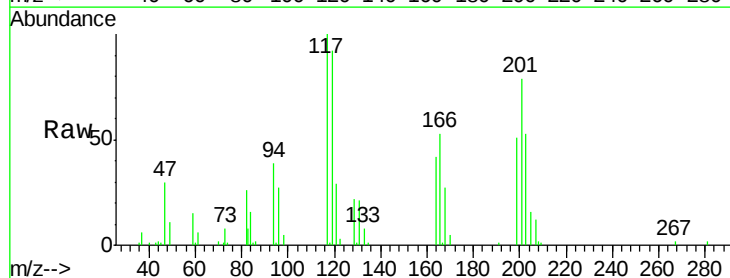
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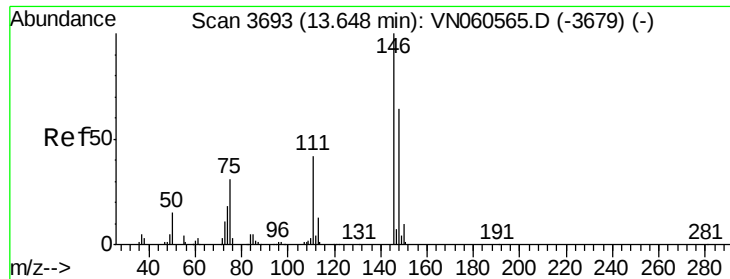
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#90
Hexachloroethane
Concen: 18.923 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.8	122.5





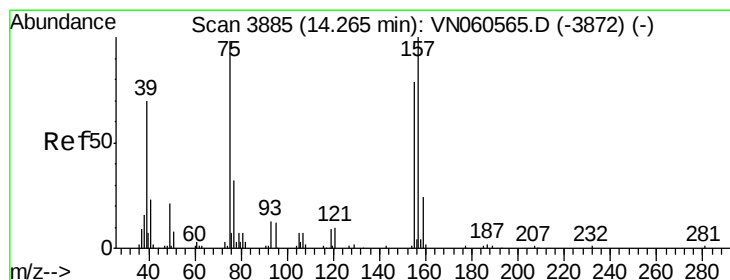
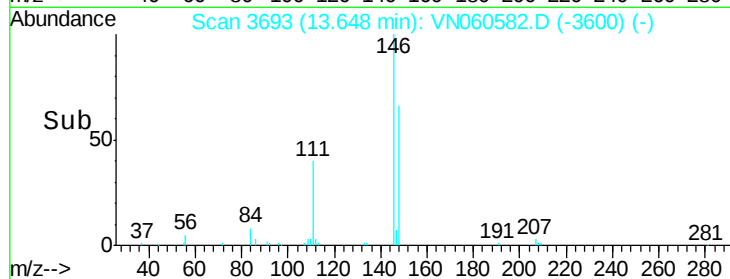
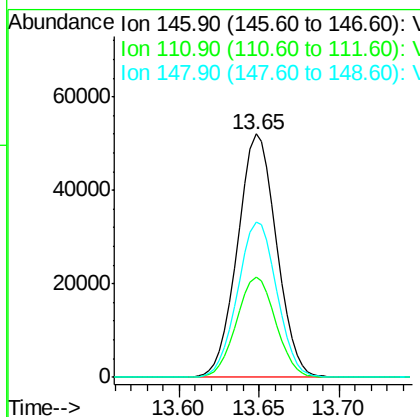
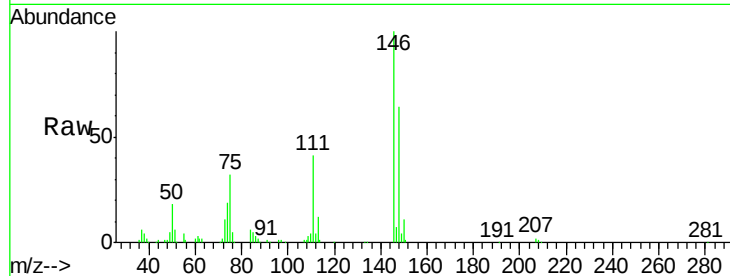
#91
 1,2-Dichlorobenzene
 Concen: 19.146 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.5	31.9	95.5

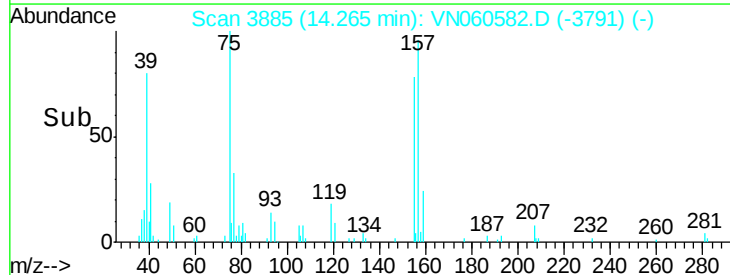
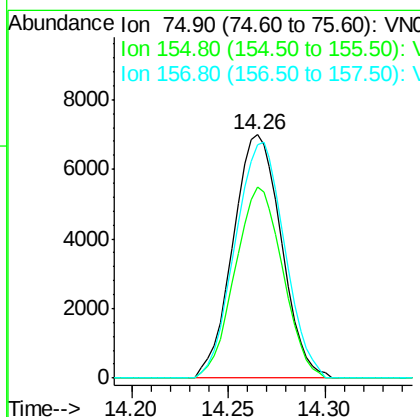
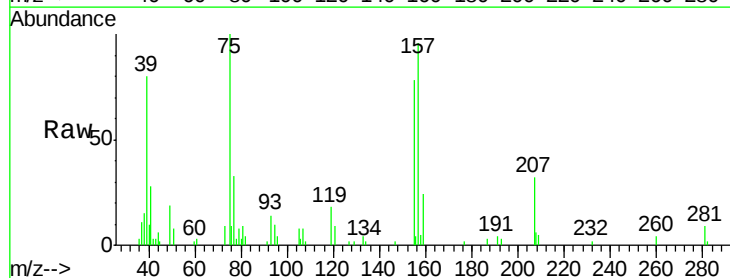
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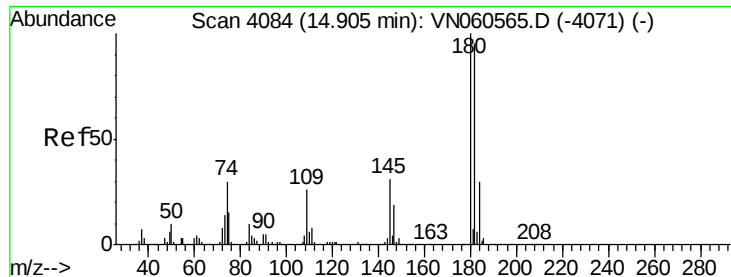
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 3/19/2020 1:02:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.190 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	40.7	122.1
157	98.9	51.5	154.7





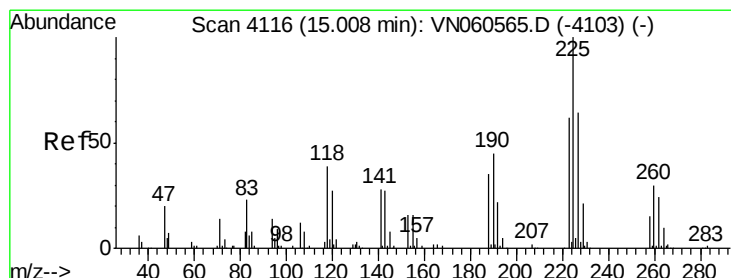
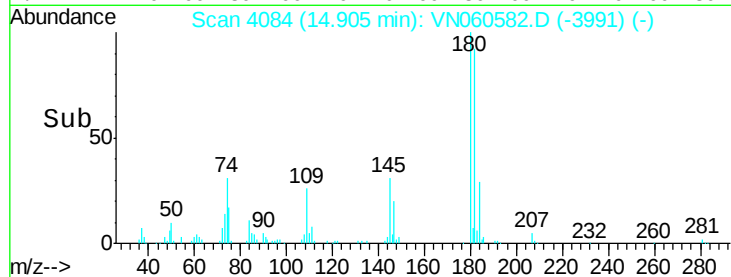
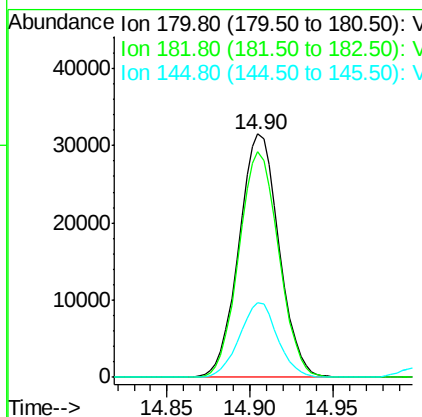
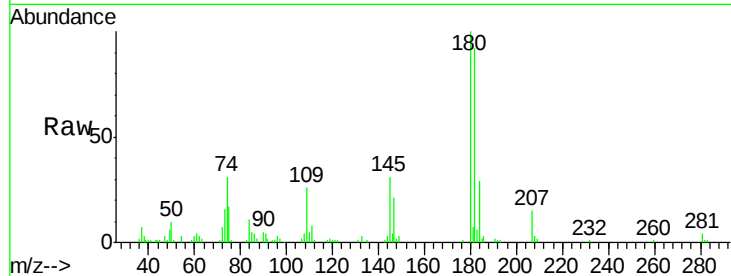
#93
 1,2,4-Trichlorobenzene
 Concen: 19.098 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.9	143.8
145	29.2	15.4	46.2

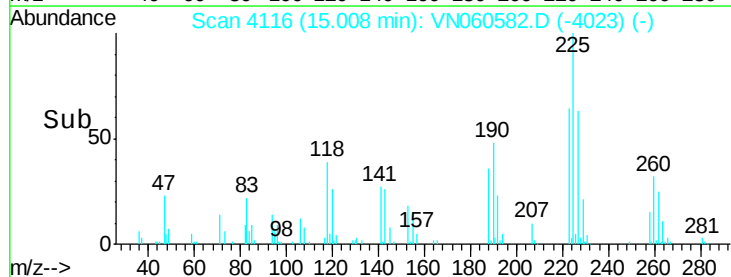
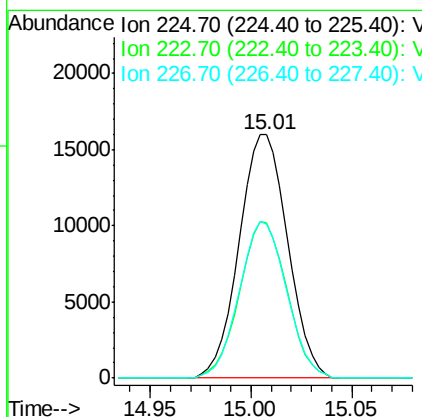
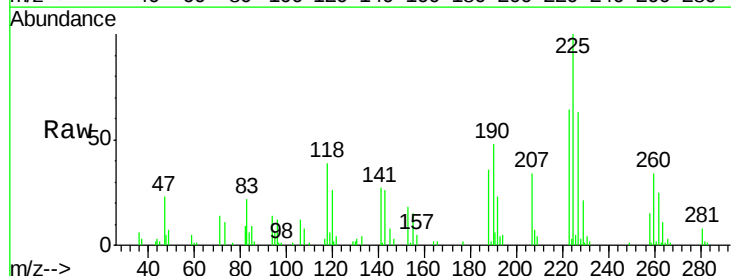
Manual Integrations
 APPROVED

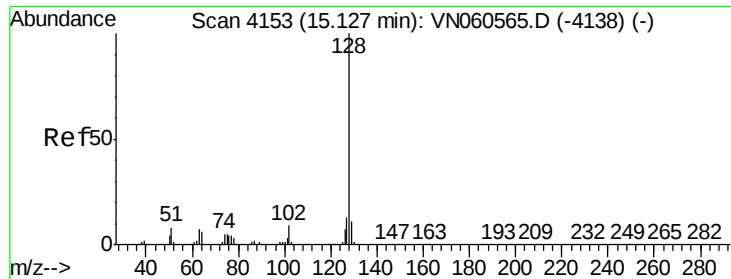
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.892 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060582.D
 Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.6	95.0
227	62.7	32.3	96.8





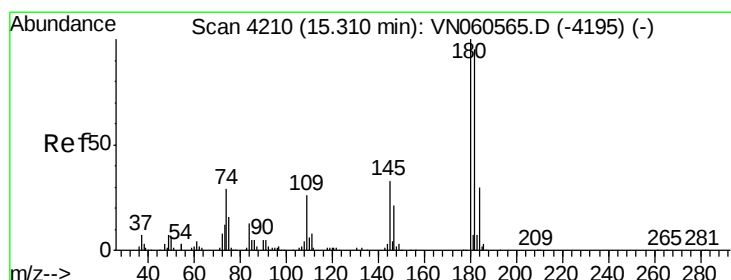
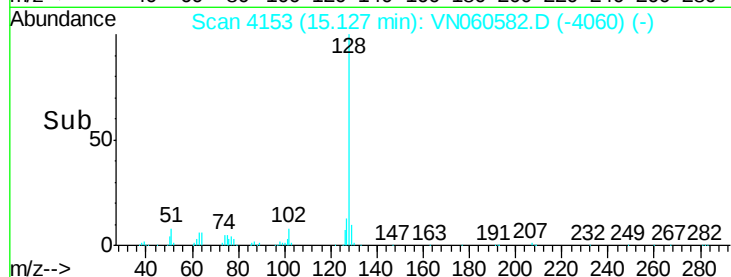
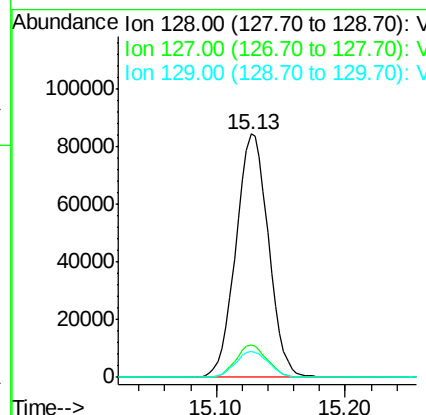
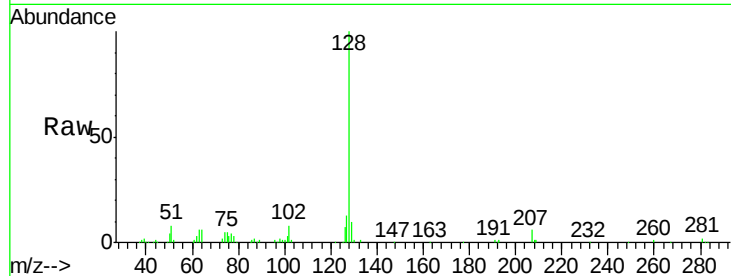
#95
Naphthalene
Concen: 17.787 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.356 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060582.D
Acq: 18 Mar 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	31.8	16.3	48.8

