

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060564.D
 Acq On : 17 Mar 2020 18:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:38 PM

Quant Time: Mar 18 08:39:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148687	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	57476	20.99	ug/l	0.00
Spiked Amount						
			Recovery	=	41.98%	
35) Dibromofluoromethane	7.57	113	42358	24.09	ug/l	0.00
Spiked Amount						
			Recovery	=	48.18%	
50) Toluene-d8	10.08	98	171479	20.05	ug/l	0.00
Spiked Amount						
			Recovery	=	40.10%	
62) 4-Bromofluorobenzene	12.40	95	61291	19.12	ug/l	0.00
Spiked Amount						
			Recovery	=	38.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41927	21.525	ug/l	99
3) Chloromethane	2.04	50	75496	22.038	ug/l	98
4) Vinyl Chloride	2.16	62	59618	20.626	ug/l	99
5) Bromomethane	2.55	94	25375	19.854	ug/l	95
6) Chloroethane	2.68	64	34439	21.607	ug/l	100
7) Trichlorofluoromethane	3.00	101	73638	20.069	ug/l	96
8) Diethyl Ether	3.38	74	29626	21.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	42508	20.411	ug/l	99
10) Methyl Iodide	3.93	142	34103	18.169	ug/l	99
11) Tert butyl alcohol	4.73	59	42548	106.444	ug/l	100
12) 1,1-Dichloroethene	3.72	96	44742	20.087	ug/l	99
13) Acrolein	3.58	56	46454	120.849	ug/l	100
14) Allyl chloride	4.29	41	82966	22.299	ug/l	96
15) Acrylonitrile	4.95	53	126098	117.146	ug/l	99
16) Acetone	3.78	43	102374	115.019	ug/l	97
17) Carbon Disulfide	4.03	76	135957	21.072	ug/l	98
18) Methyl Acetate	4.29	43	55853	19.152	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	154765	21.021	ug/l	97
20) Methylene Chloride	4.52	84	50096	20.752	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	48760	19.345	ug/l	97
22) Diisopropyl ether	5.92	45	169711	22.123	ug/l	99
23) Vinyl Acetate	5.86	43	699114	114.550	ug/l	100
24) 1,1-Dichloroethane	5.82	63	93383	21.673	ug/l	100
25) 2-Butanone	6.80	43	165349	115.047	ug/l	100
26) 2,2-Dichloropropane	6.80	77	73063	19.115	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	55196	19.846	ug/l	99
28) Bromochloromethane	7.17	49	45455	24.685	ug/l	99
29) Tetrahydrofuran	7.18	42	118021	117.723	ug/l	99
30) Chloroform	7.35	83	87955	20.652	ug/l	100
31) Cyclohexane	7.63	56	90112	22.077	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	77918	20.681	ug/l	100
36) 1,1-Dichloropropene	7.77	75	68435	19.890	ug/l	99
37) Ethyl Acetate	6.90	43	72777	22.201	ug/l	99
38) Carbon Tetrachloride	7.75	117	61619	18.743	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	80624	19.891	ug/l	99
40) Benzene	8.02	78	204409	20.446	ug/l	100
41) Methacrylonitrile	7.14	41	32720	21.938	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	71743	20.113	ug/l	100
43) Isopropyl Acetate	8.14	43	122581	21.480	ug/l	100
44) Trichloroethene	8.82	130	52485	19.068	ug/l	97
45) 1,2-Dichloropropane	9.10	63	55107	21.114	ug/l	100
46) Dibromomethane	9.19	93	33403	19.880	ug/l	99
47) Bromodichloromethane	9.39	83	68047	19.924	ug/l	98
48) Methyl methacrylate	9.18	41	52173	20.074	ug/l	98
49) 1,4-Dioxane	9.18	88	13358	370.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	352997	108.876	ug/l	100
52) Toluene	10.14	92	124812	19.988	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	77684	18.591	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	85950	19.794	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	47651	19.075	ug/l	98
56) Ethyl methacrylate	10.42	69	74288	20.508	ug/l	100
57) 1,3-Dichloropropane	10.70	76	83842	20.468	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	168077	89.099	ug/l	99
59) 2-Hexanone	10.74	43	252393	106.137	ug/l	100
60) Dibromochloromethane	10.89	129	49965	19.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	48241	19.753	ug/l	99
64) Tetrachloroethene	10.62	164	51138	17.933	ug/l	98
65) Chlorobenzene	11.43	112	126408	19.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46721	19.457	ug/l	99
67) Ethyl Benzene	11.50	91	237050	19.824	ug/l	98
68) m/p-Xylenes	11.62	106	173200	38.410	ug/l	98
69) o-Xylene	11.94	106	83913	19.528	ug/l	99
70) Styrene	11.96	104	134281	19.025	ug/l	99
71) Bromoform	12.12	173	34705	19.928	ug/l #	99
73) Isopropylbenzene	12.25	105	225172	20.249	ug/l	100
74) N-amyl acetate	12.06	43	100400	20.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	68564	22.348	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	63122m	19.421	ug/l	
77) Bromobenzene	12.52	156	53593	19.728	ug/l	98
78) n-propylbenzene	12.59	91	263596	20.175	ug/l	99
79) 2-Chlorotoluene	12.67	91	154141	20.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	188846	20.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24100	20.158	ug/l	98
82) 4-Chlorotoluene	12.77	91	158350	19.564	ug/l	100
83) tert-Butylbenzene	12.99	119	157245	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	188470	19.970	ug/l	100
85) sec-Butylbenzene	13.17	105	210356	19.464	ug/l	100
86) p-Isopropyltoluene	13.28	119	187821	18.817	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	94302	18.556	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93995	18.537	ug/l	99
89) n-Butylbenzene	13.61	91	169106	18.466	ug/l	100
90) Hexachloroethane	13.87	117	27106	18.790	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	91736	19.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14262	20.801	ug/l	96

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ClientSampleId :
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QLast Update : Wed Mar 18 08:02:18 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	56332	16.840	ug/l	100
94) Hexachlorobutadiene	15.01	225	27745	17.471	ug/l	98
95) Naphthalene	15.13	128	168941	17.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54945	17.454	ug/l	99

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

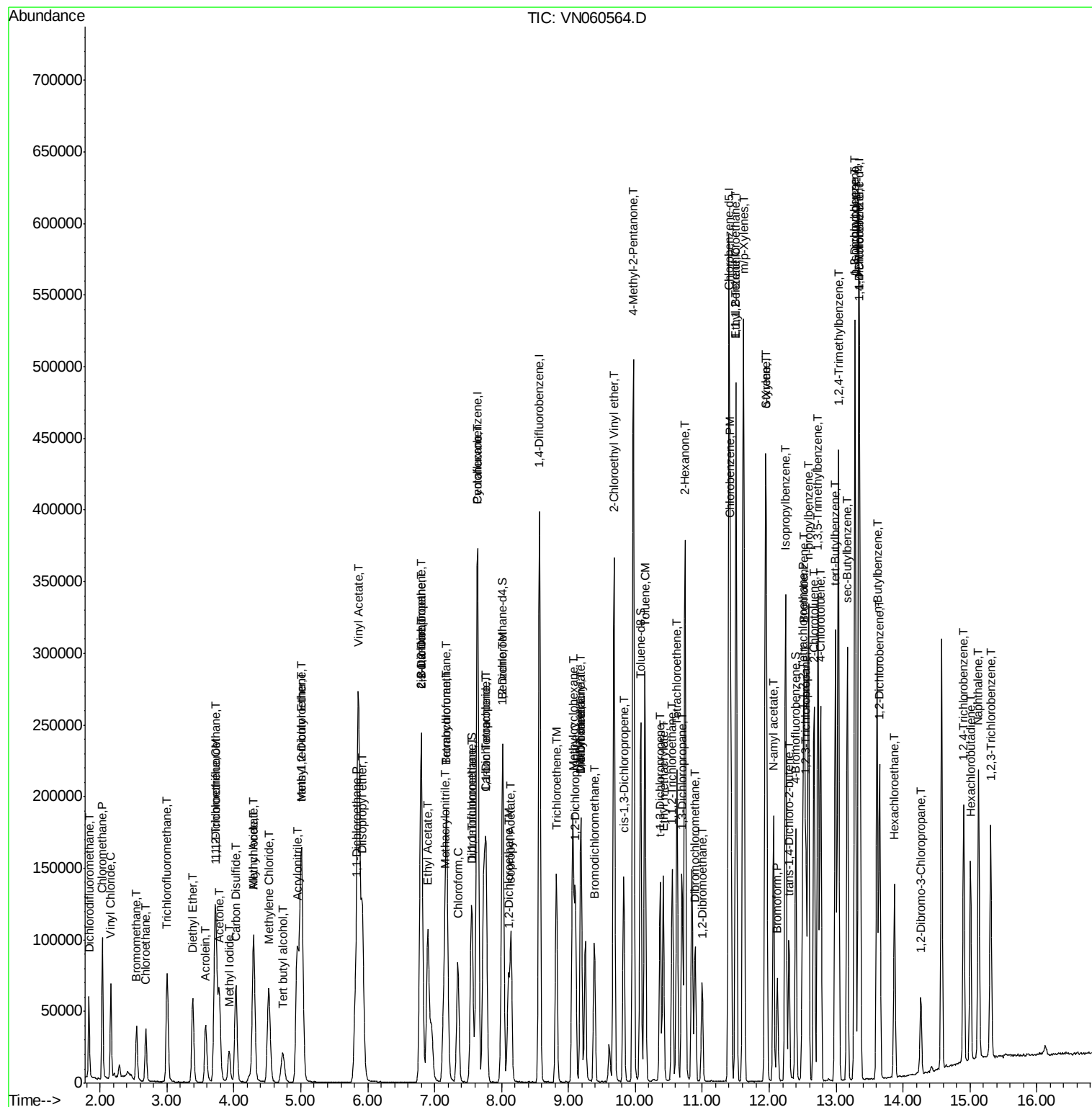
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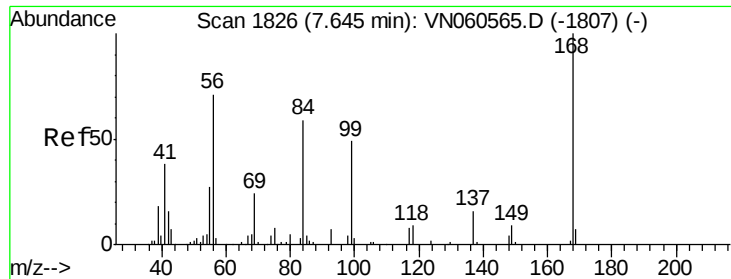
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 208167

Ion Ratio Lower Upper

168 100

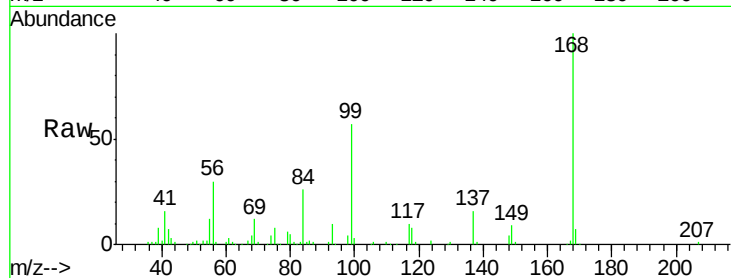
99 56.8 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

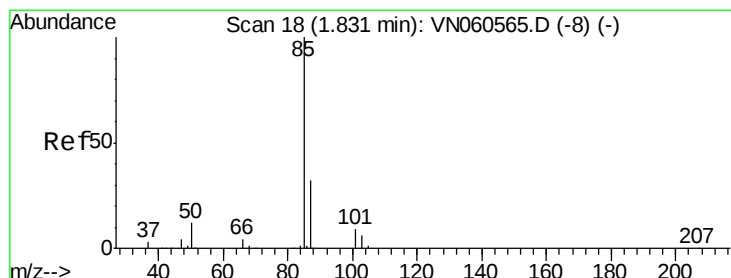
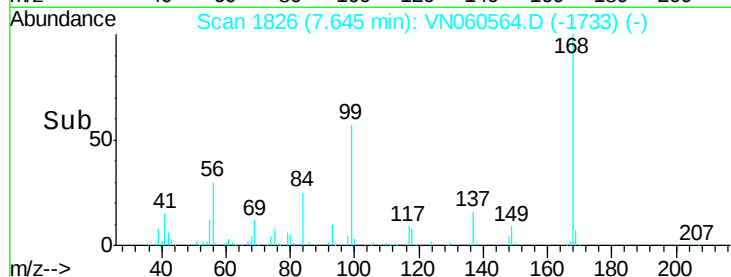
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.525 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060564.D

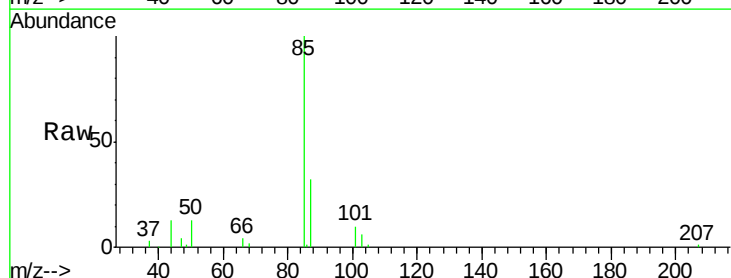
Acq: 17 Mar 2020 18:50

Tgt Ion: 85 Resp: 41927

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

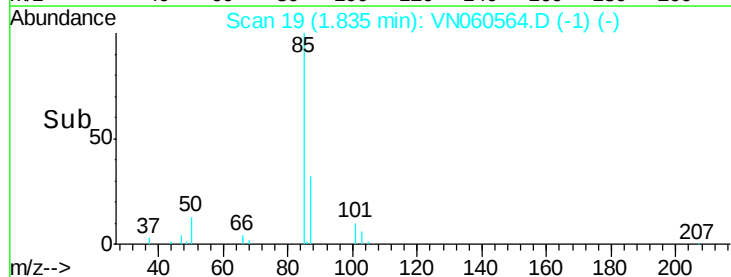
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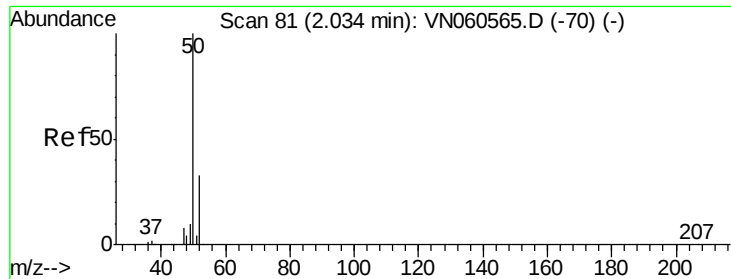
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 22.038 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 75496

Ion Ratio Lower Upper

50 100

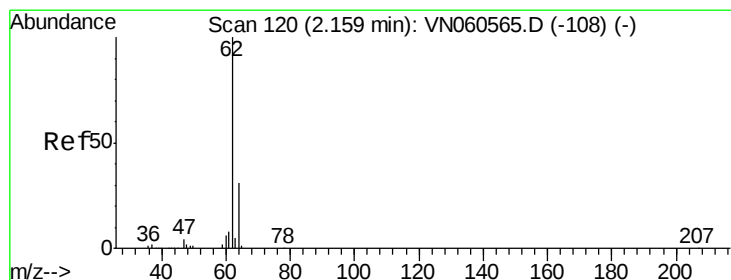
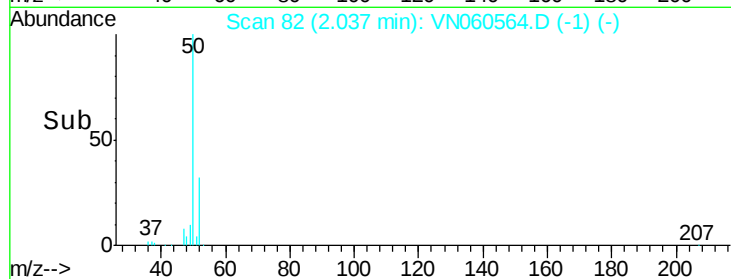
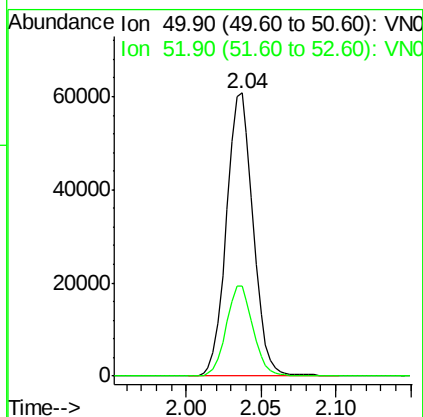
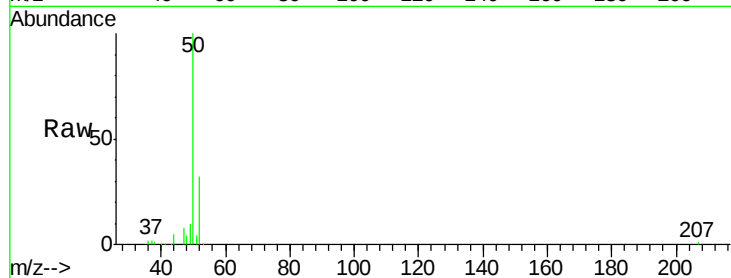
52 31.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.626 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060564.D

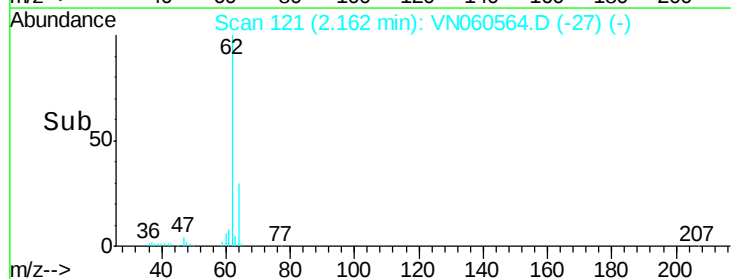
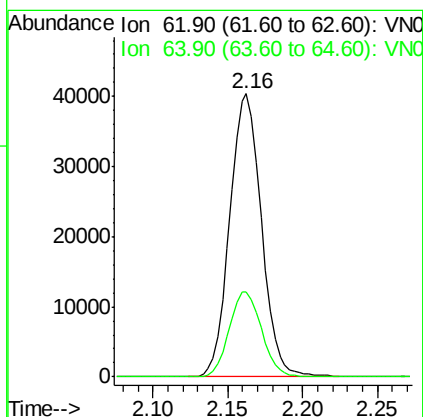
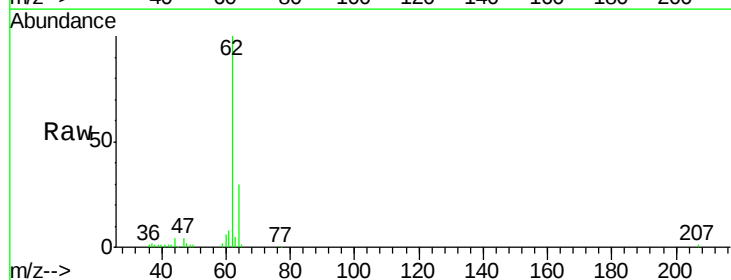
Acq: 17 Mar 2020 18:50

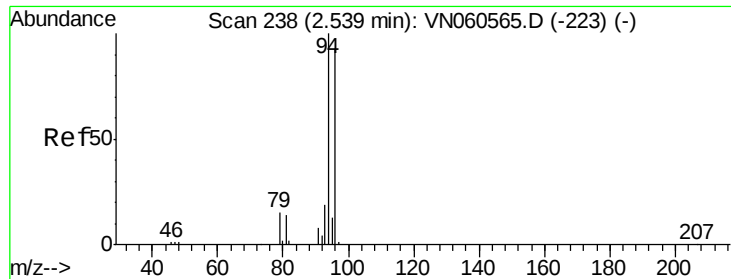
Tgt Ion: 62 Resp: 59618

Ion Ratio Lower Upper

62 100

64 30.1 24.7 37.1





#5

Bromomethane

Concen: 19.854 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

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Tot Ion: 94 Resp: 25375

Ion Ratio Lower Upper

94 100

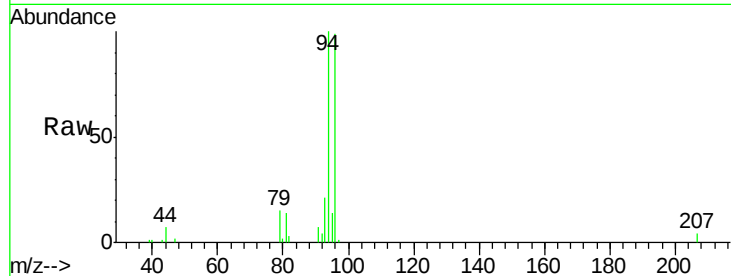
96 98.0 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

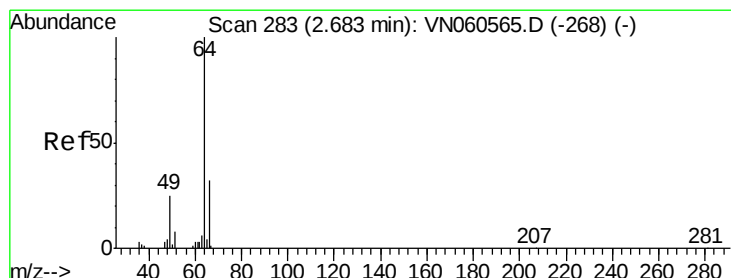
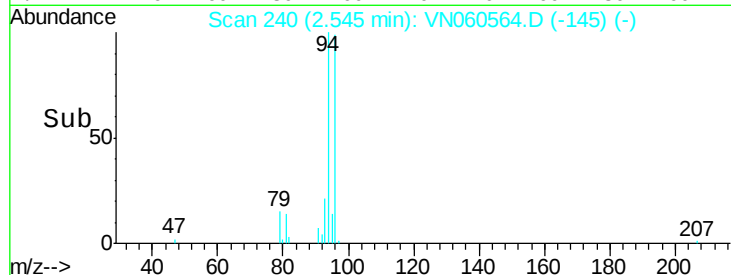
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.607 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060564.D

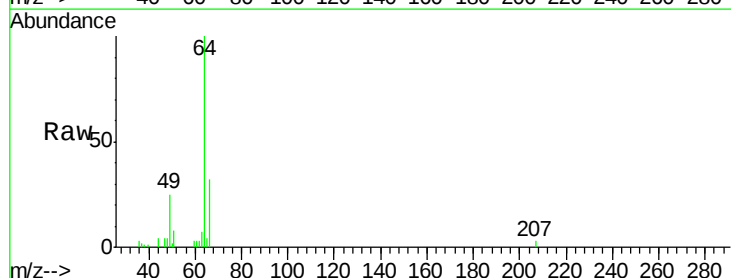
Acq: 17 Mar 2020 18:50

Tgt Ion: 64 Resp: 34439

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

20000

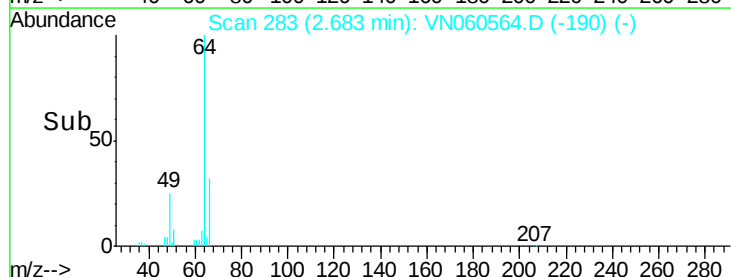
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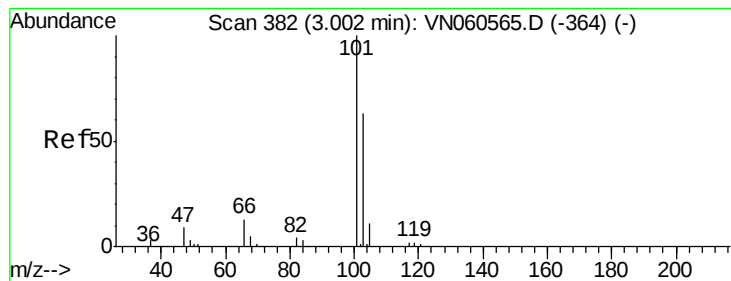
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Time-->





#7

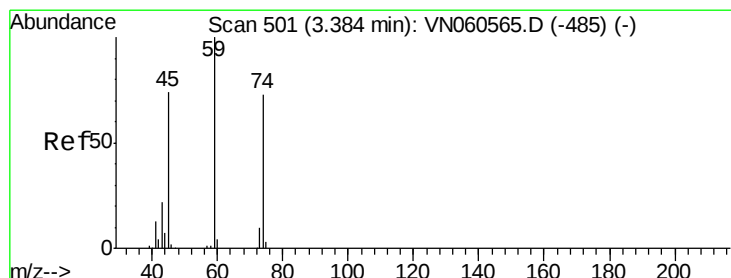
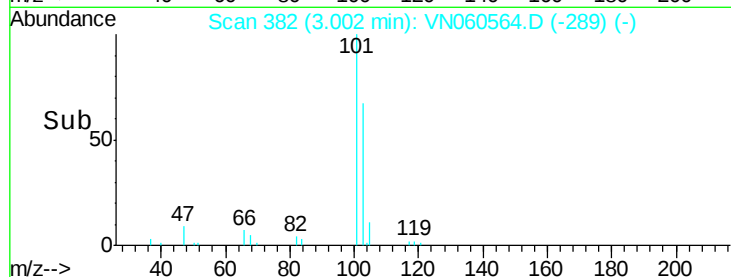
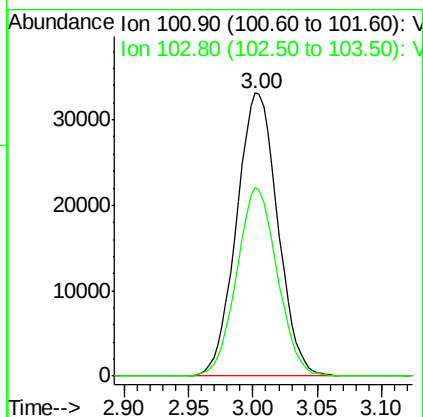
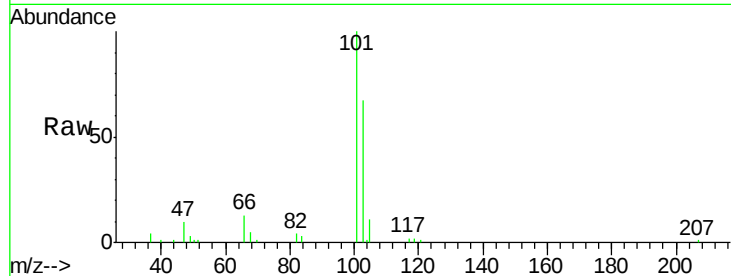
Trichlorofluoromethane
 Concen: 20.069 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.6	76.0

Manual Integrations
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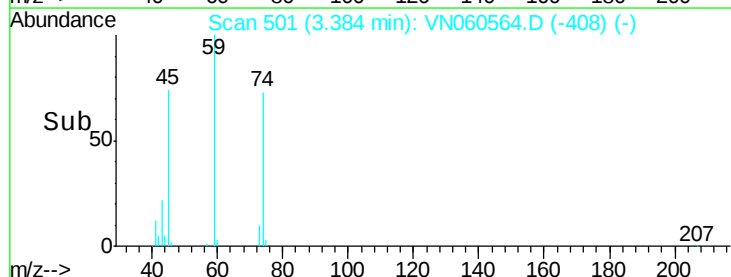
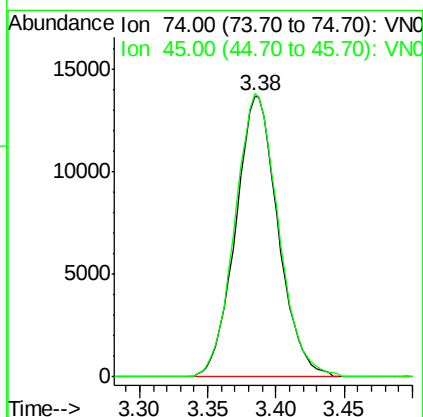
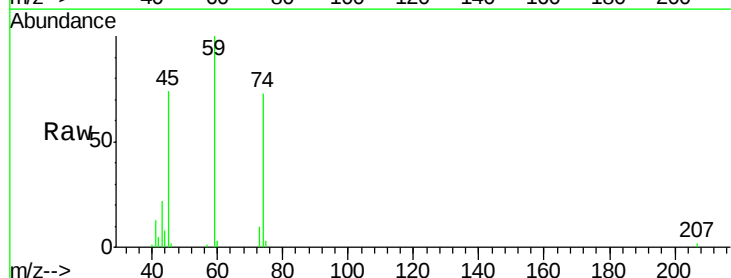
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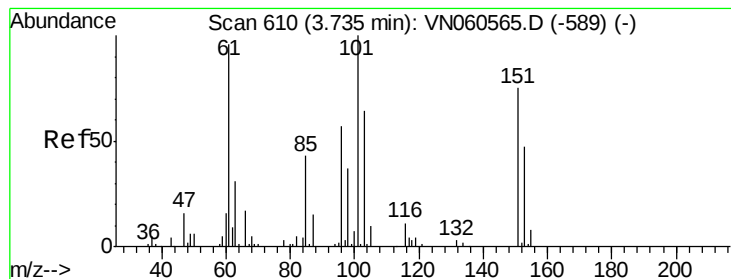


#8

Diethyl Ether
 Concen: 21.161 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.411 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

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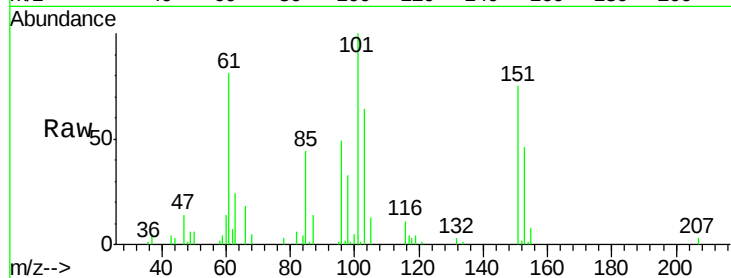
ClientSampled :

VSTDIC020

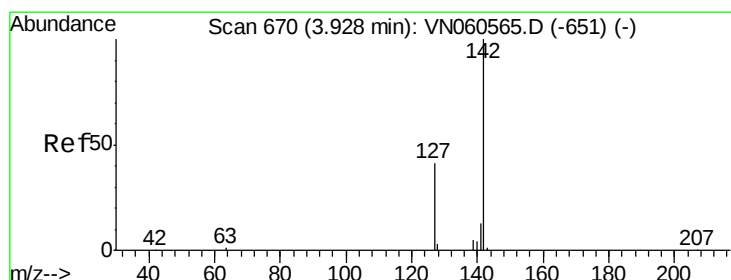
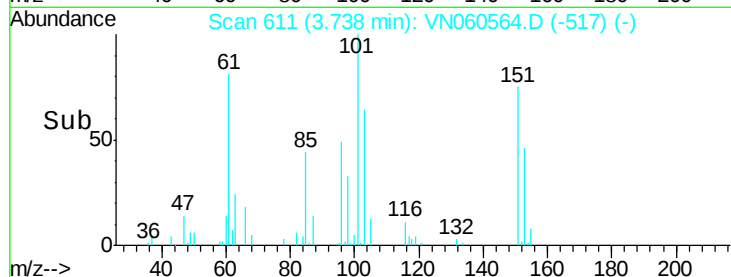
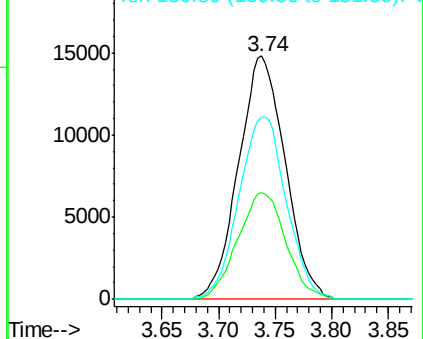
Tot Ion:	101	Resp:	42508
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.6	53.4
151	76.3	61.4	92.2

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



#10

Methyl Iodide

Concen: 18.169 ug/l

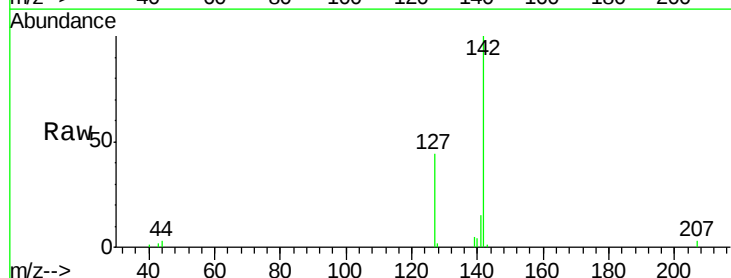
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

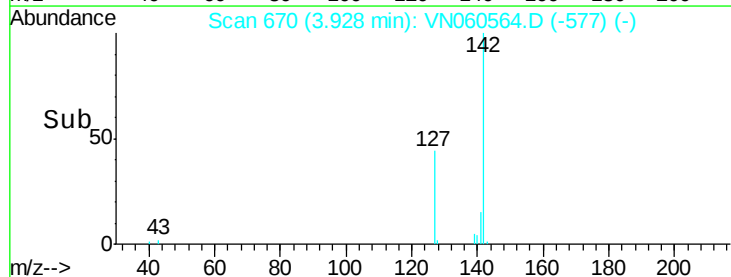
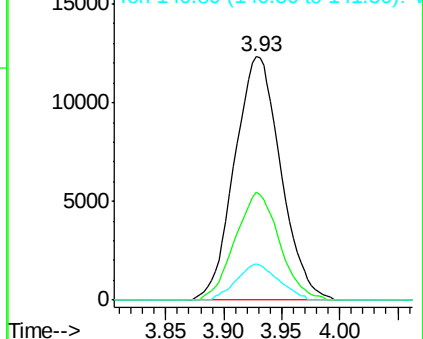
Lab File: VN060564.D

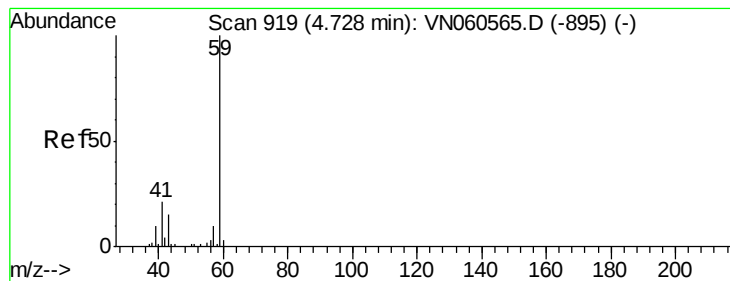
Acq: 17 Mar 2020 18:50

Tgt Ion:	142	Resp:	34103
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.5	50.3
141	13.5	11.0	16.6



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





#11

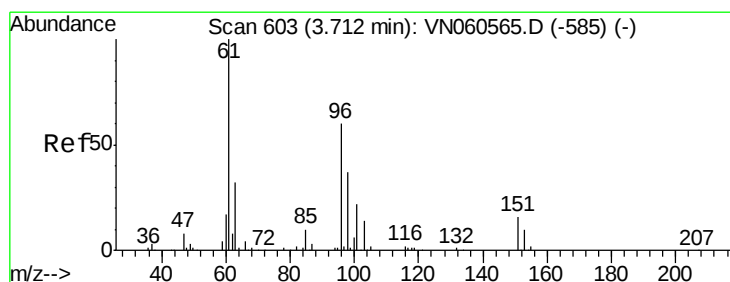
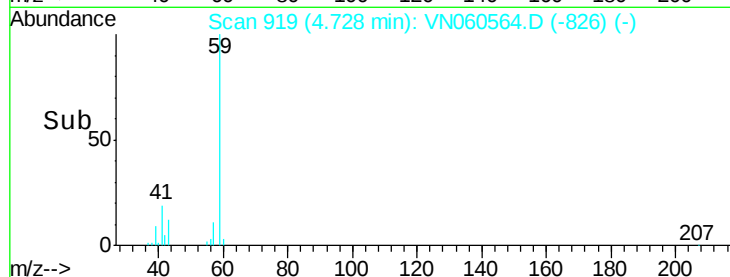
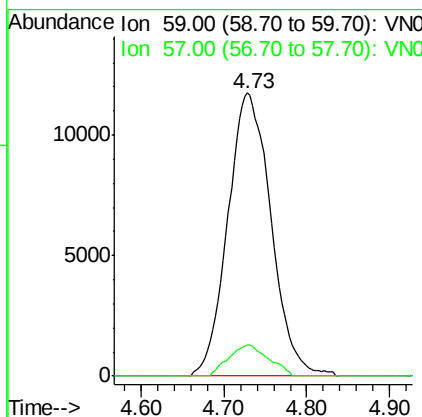
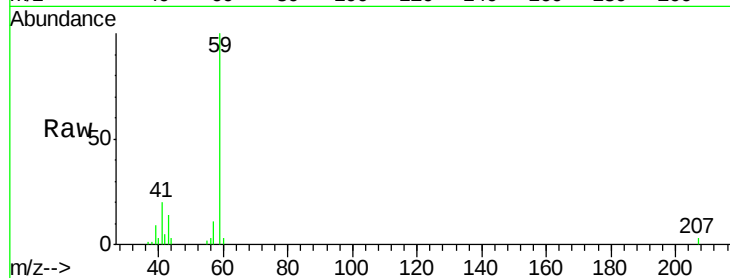
Tert butyl alcohol
 Concen: 106.444 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	42548
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

Manual Integrations
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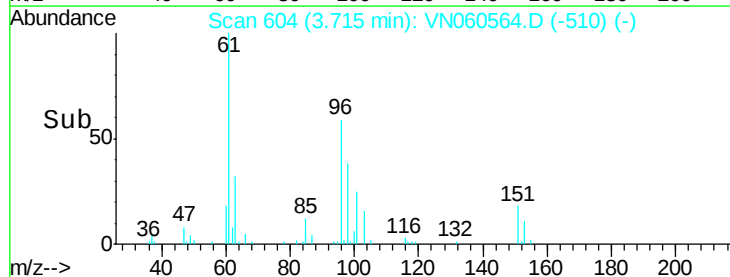
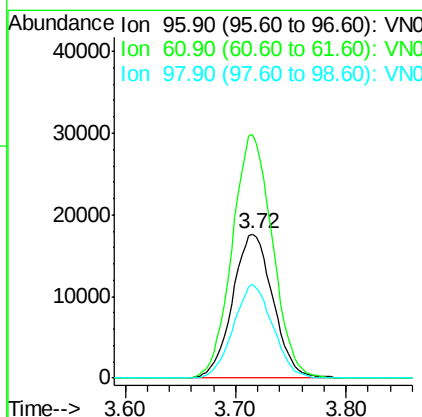
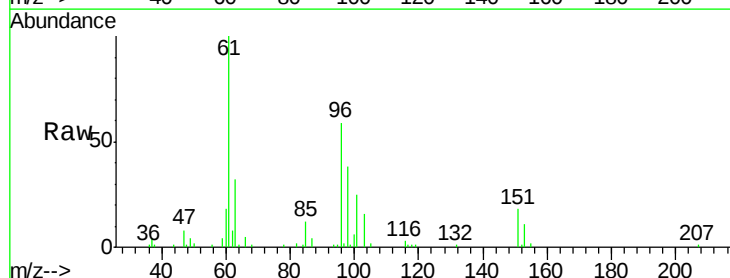
MMDadoda
 3/18/2020 7:00:38 PM

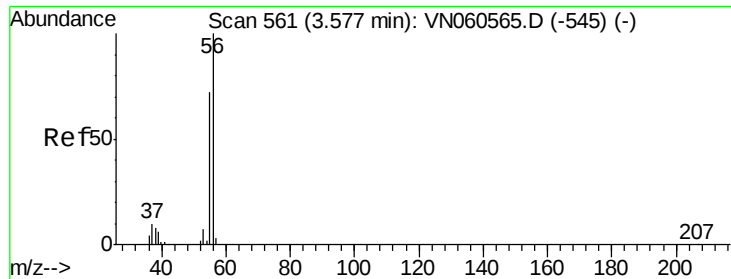


#12

1,1-Dichloroethene
 Concen: 20.087 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	96	Resp	44742
Ion Ratio	100	Lower	Upper
61	168.7	134.1	201.1
98	64.6	49.9	74.9





#13

Acrolein

Concen: 120.849 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 46454

Ion Ratio Lower Upper

56 100

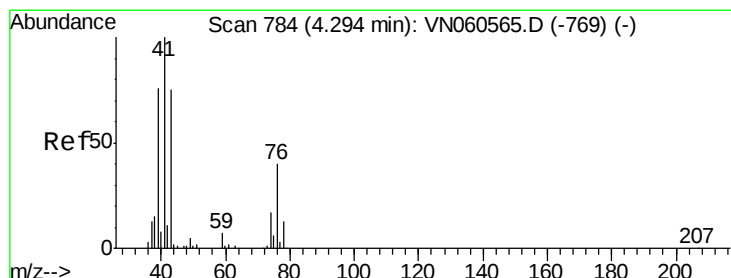
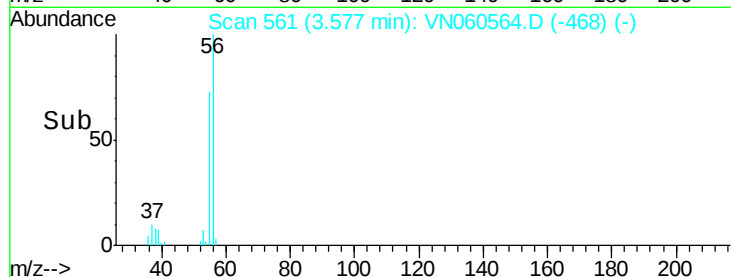
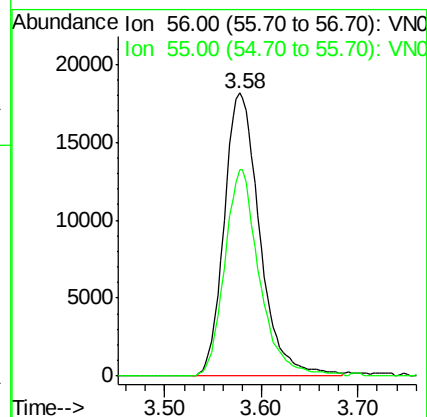
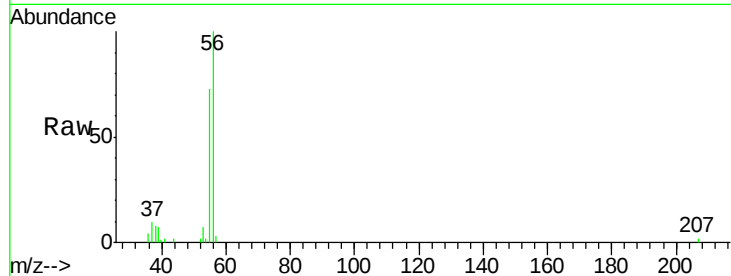
55 71.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.299 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

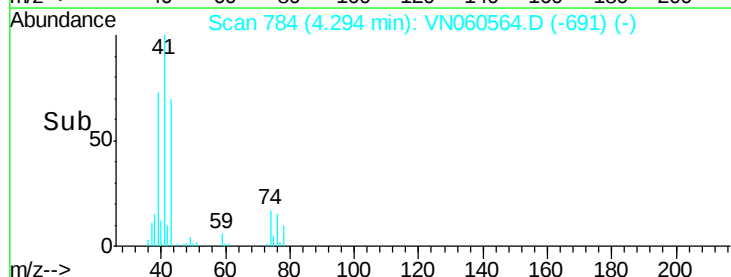
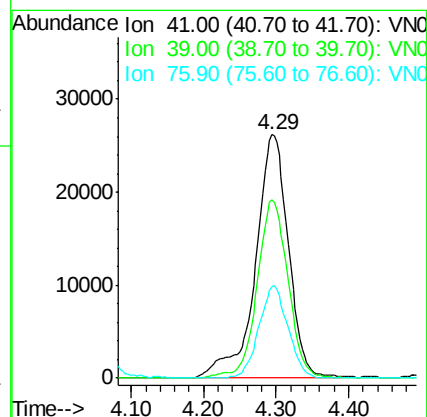
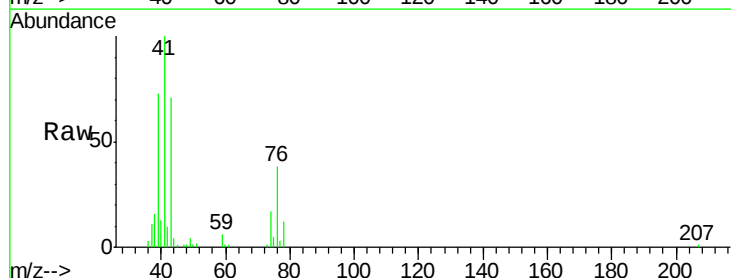
Tgt Ion: 41 Resp: 82966

Ion Ratio Lower Upper

41 100

39 68.5 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 117.146 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

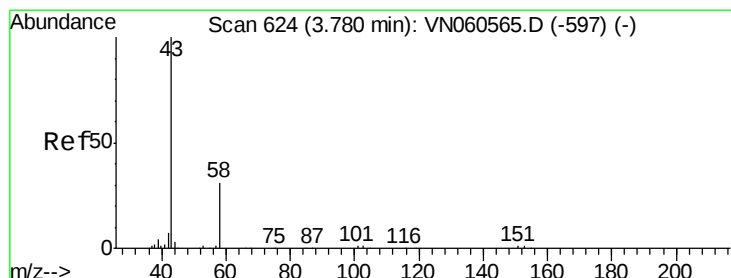
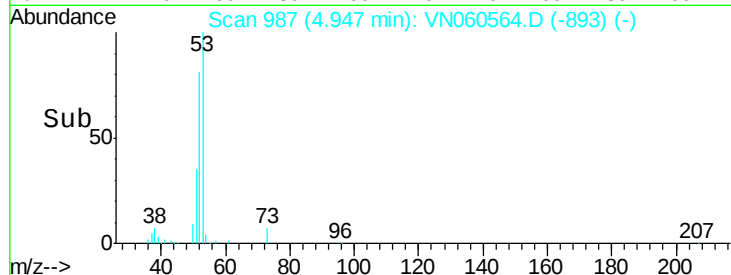
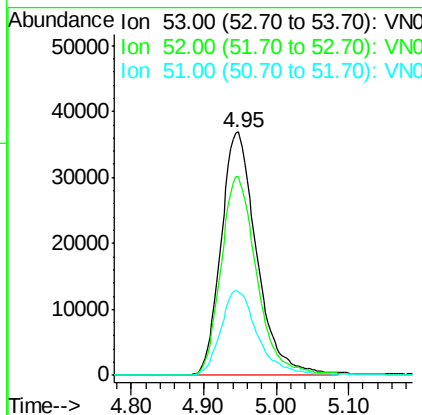
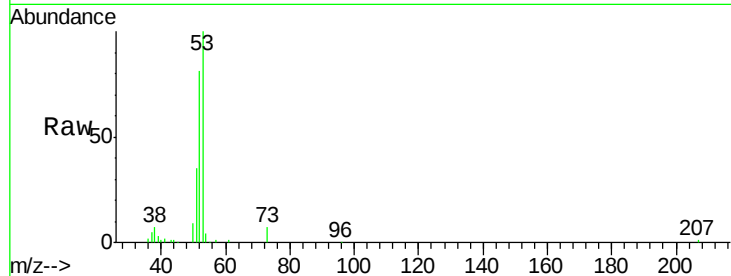
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	126098
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.4
51	35.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 115.019 ug/l

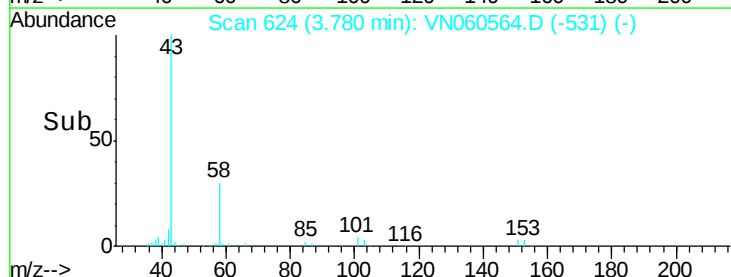
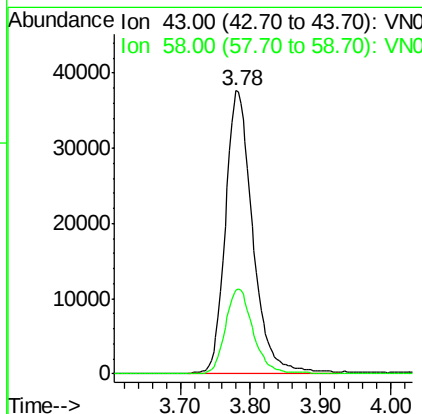
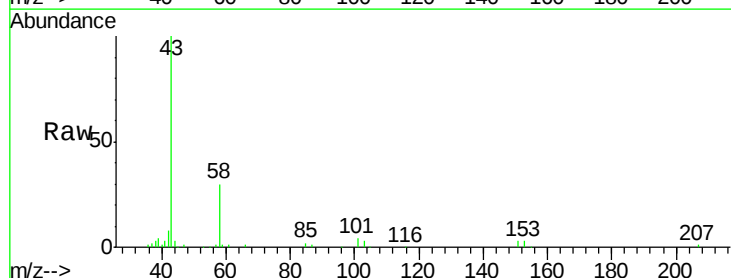
RT: 3.78 min Scan# 624

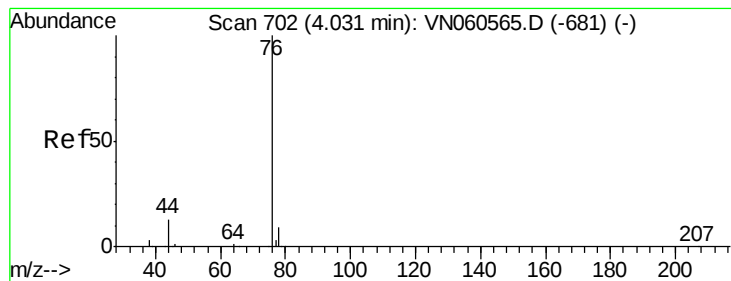
Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion:	43	Resp:	102374
Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.1	37.7





#17

Carbon Disulfide

Concen: 21.072 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 135957

Ion Ratio Lower Upper

76 100

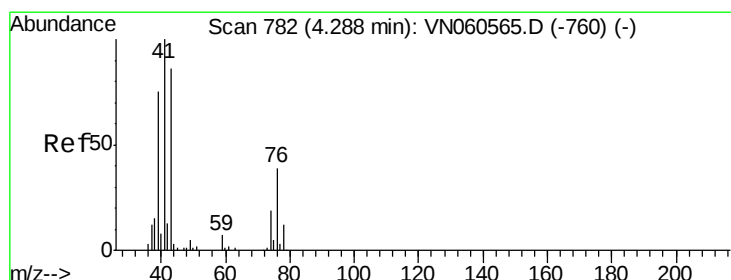
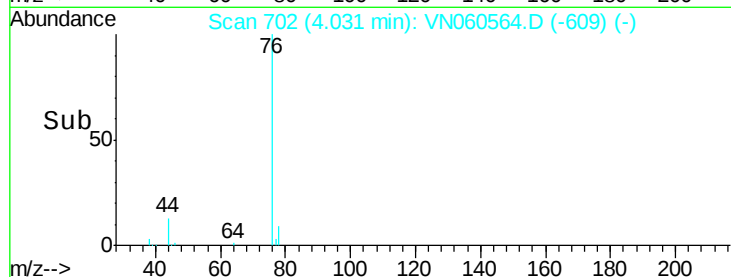
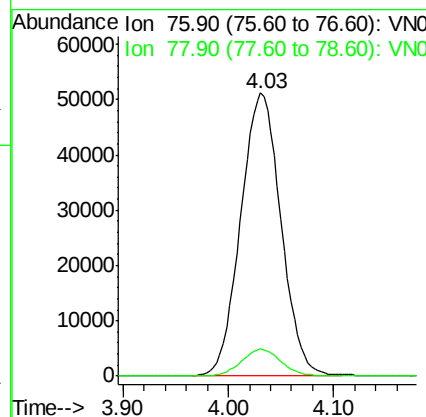
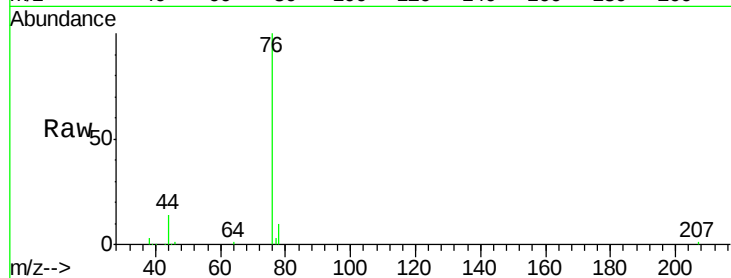
78 9.6 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 19.152 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060564.D

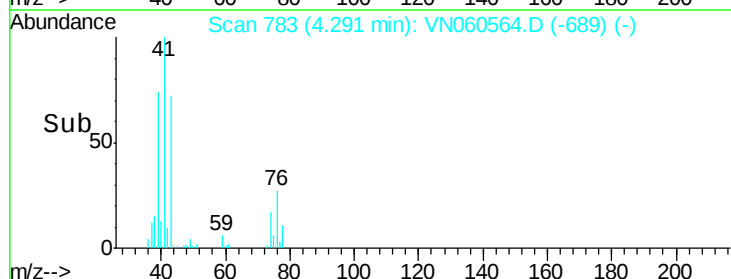
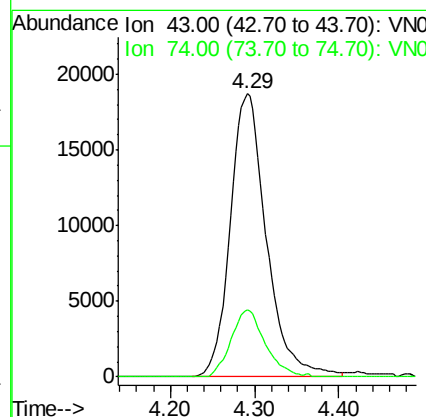
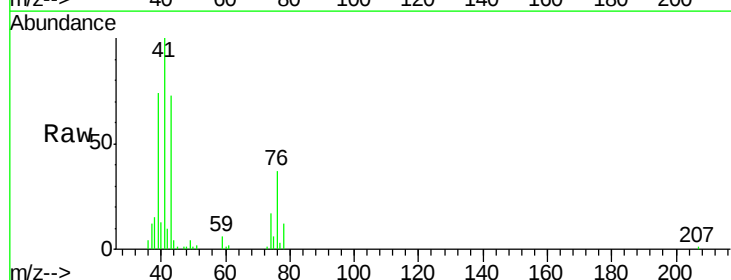
Acq: 17 Mar 2020 18:50

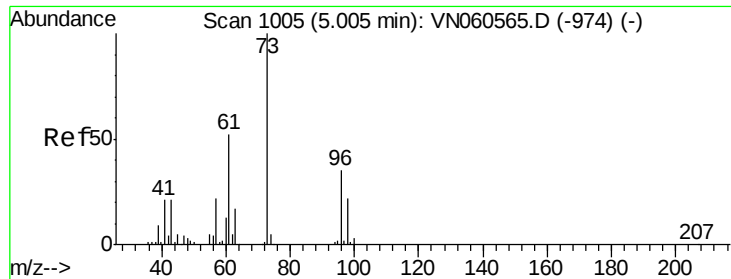
Tgt Ion: 43 Resp: 55853

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3





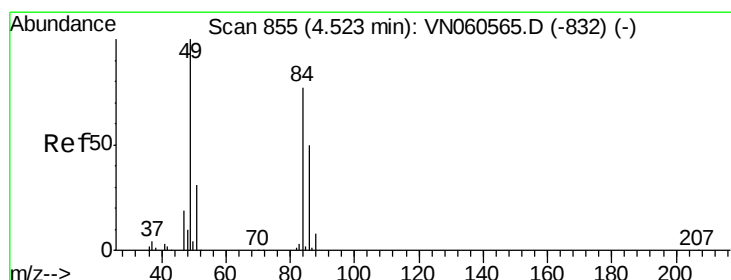
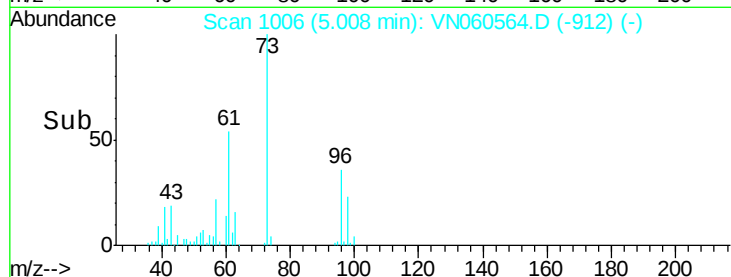
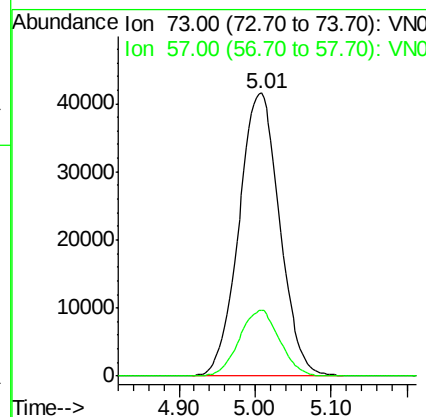
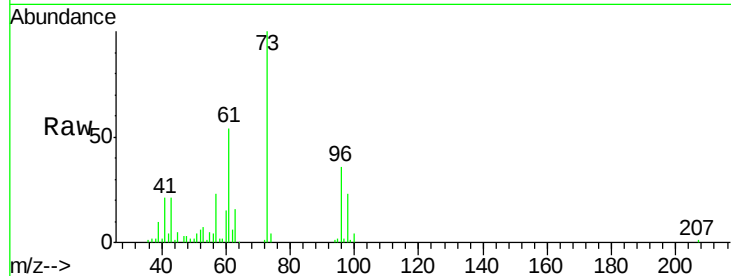
#19
Methvl tert-butvl Ether
Concen: 21.021 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 154765
Ion Ratio Lower Upper
73 100
57 23.4 17.5 26.3

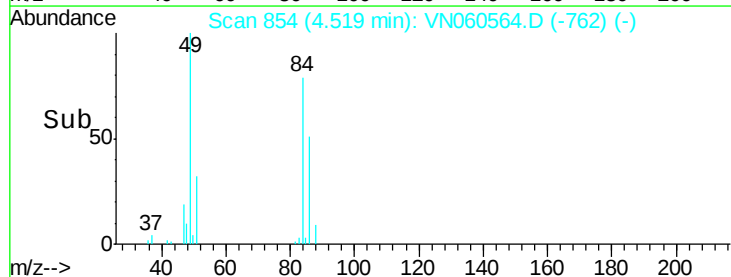
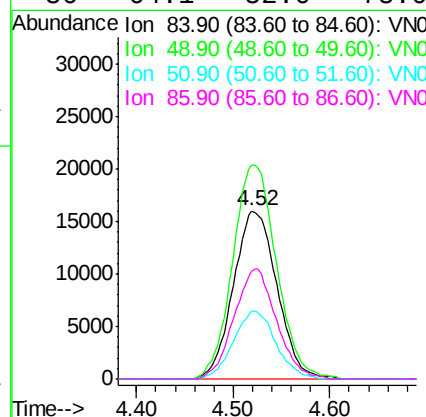
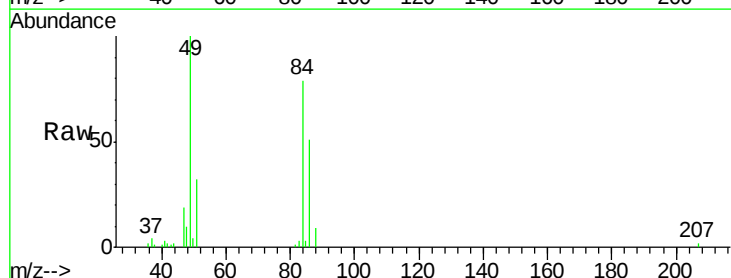
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#20
Methylene Chloride
Concen: 20.752 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 84 Resp: 50096
Ion Ratio Lower Upper
84 100
49 127.0 103.3 154.9
51 40.1 31.6 47.4
86 64.1 52.0 78.0





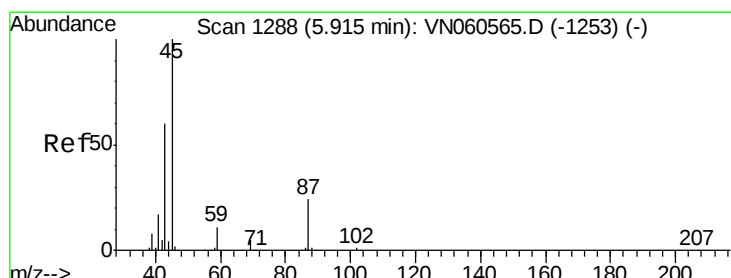
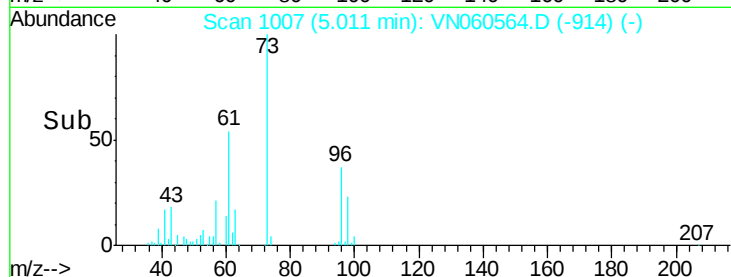
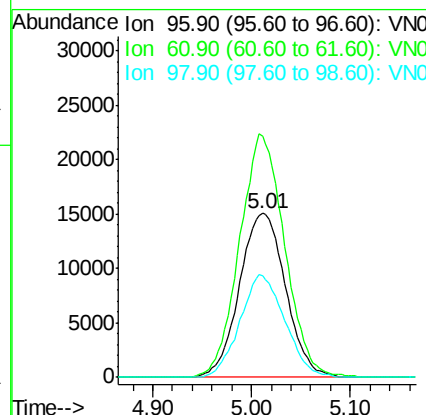
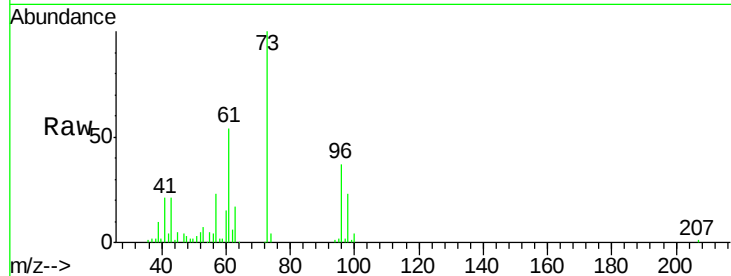
#21
trans-1,2-Dichloroethene
Concen: 19.345 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	114.4	171.6
98	61.7	48.4	72.6

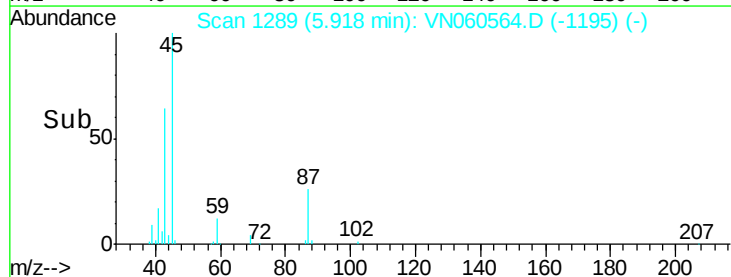
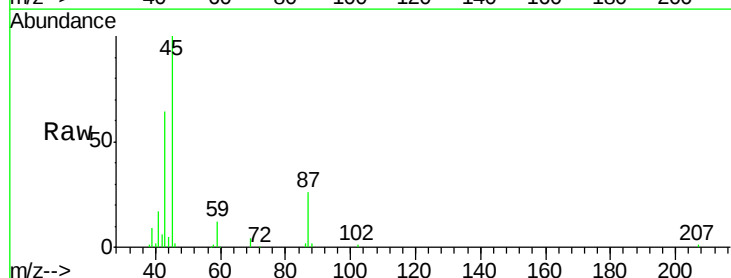
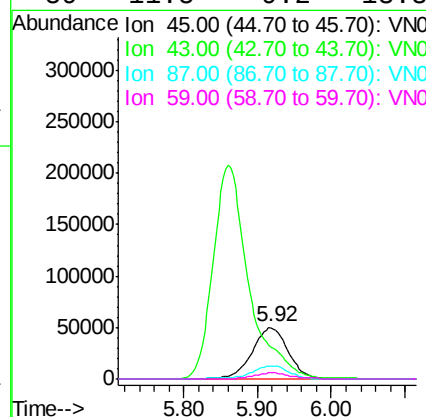
Manual Integrations
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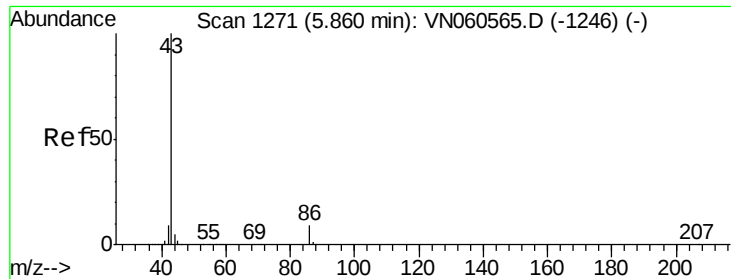
MMDadoda
3/18/2020 7:00:38 PM



#22
Diisopropyl ether
Concen: 22.123 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	49.8	74.8
87	25.6	20.1	30.1
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 114.550 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 699114

Ion Ratio Lower Upper

43 100

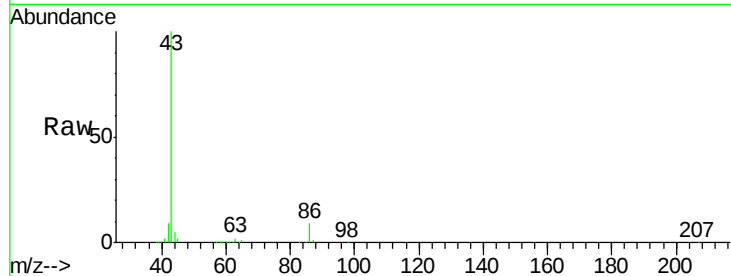
86 9.4 7.6 11.4

Manual Integrations

APPROVED

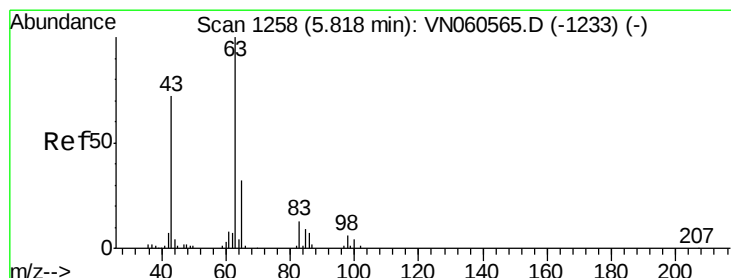
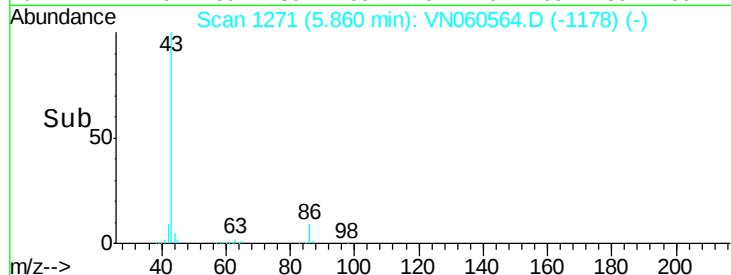
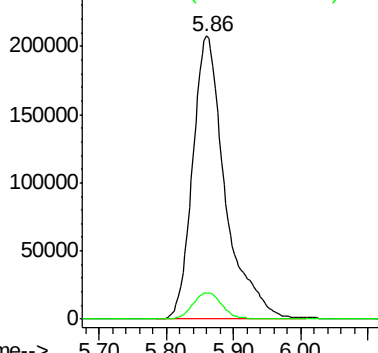
MMDadoda

3/18/2020 7:00:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.673 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

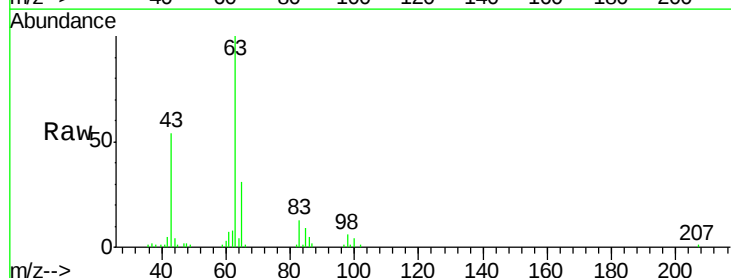
Tgt Ion: 63 Resp: 93383

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

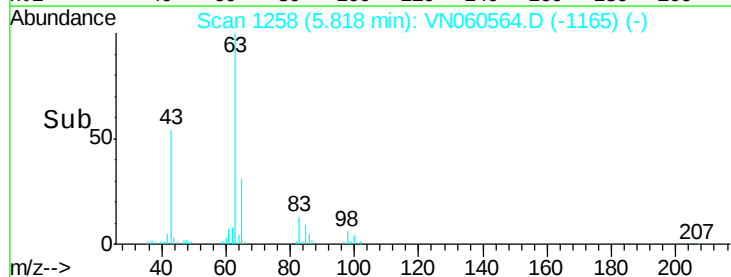
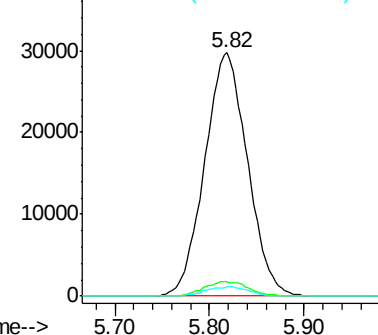
100 3.7 1.8 5.5



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





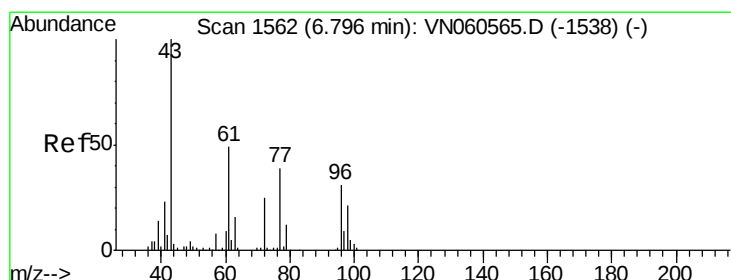
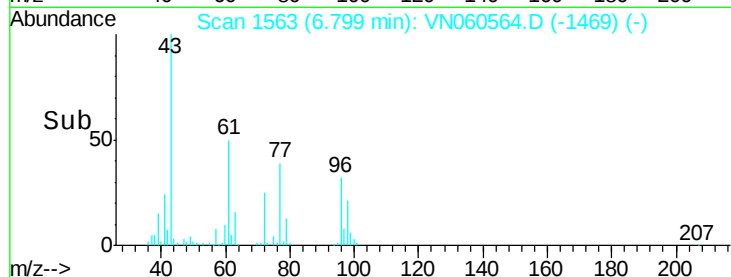
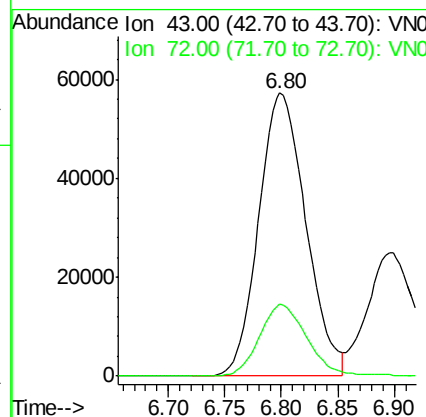
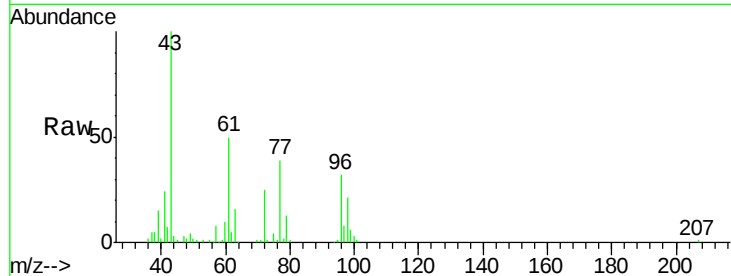
#25
2-Butanone
Concen: 115.047 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 165349
Ion Ratio Lower Upper
43 100
72 25.3 20.4 30.6

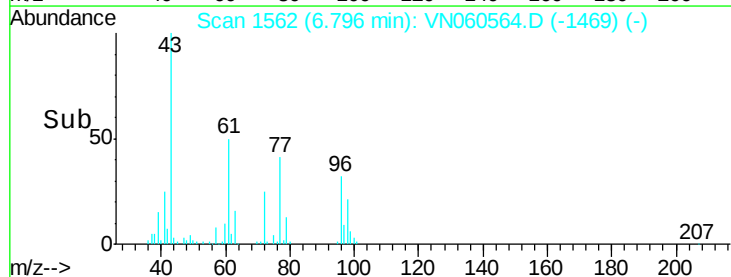
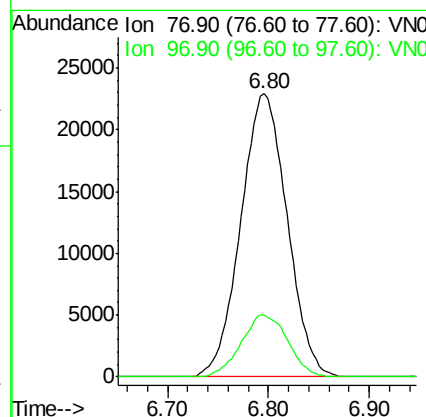
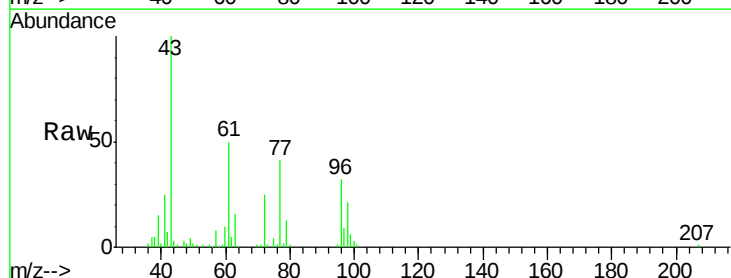
Manual Integrations
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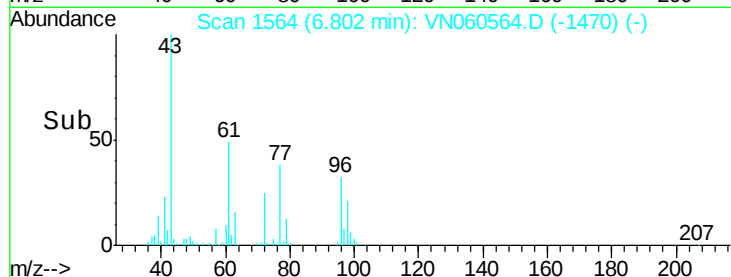
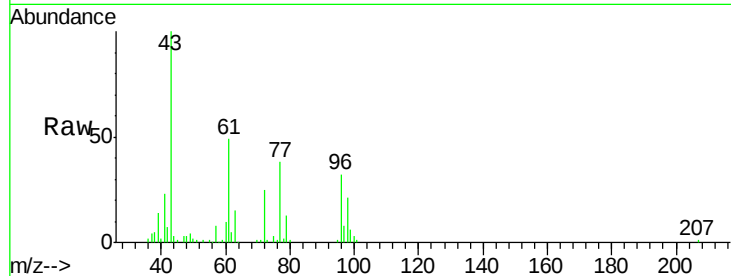
MMDadoda
3/18/2020 7:00:38 PM



#26
2,2-Dichloropropane
Concen: 19.115 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 77 Resp: 73063
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.1





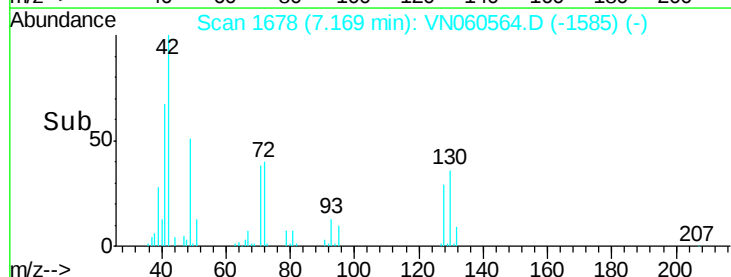
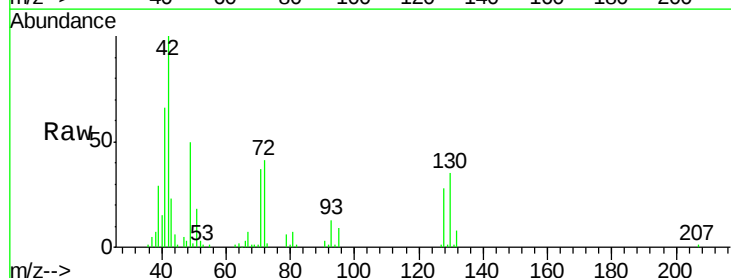
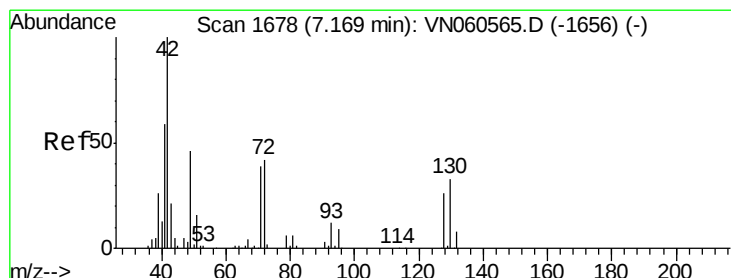
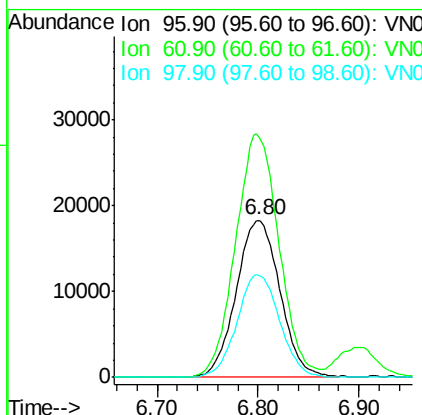
#27
cis-1,2-Dichloroethene
Concen: 19.846 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55196		
61	153.6		0.0	305.6
98	63.3		0.0	127.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

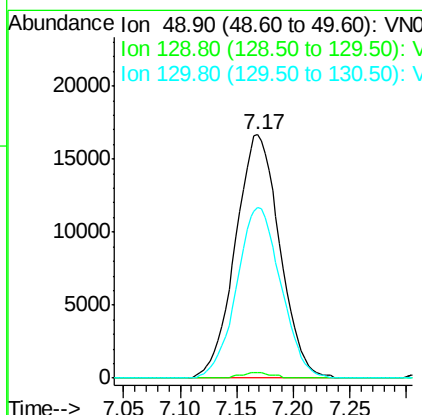
Manual Integrations
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3/18/2020 7:00:38 PM



#28
Bromochloromethane
Concen: 24.685 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45455		
129	1.6		0.0	3.4
130	69.8		55.0	82.4





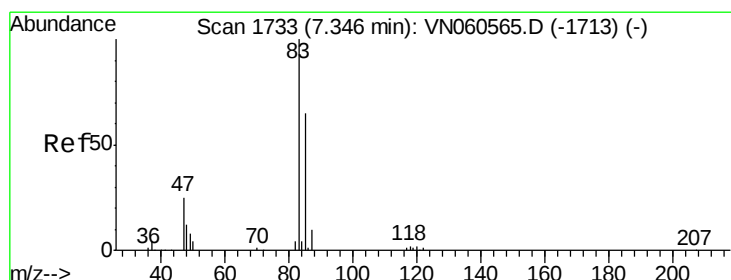
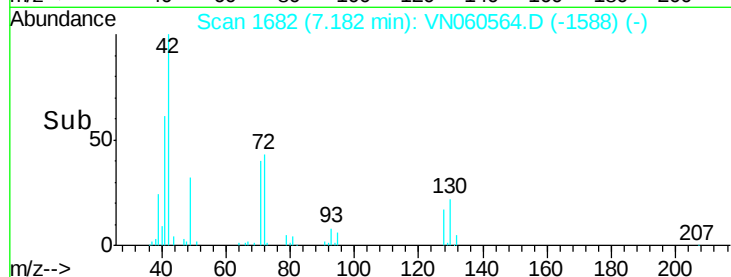
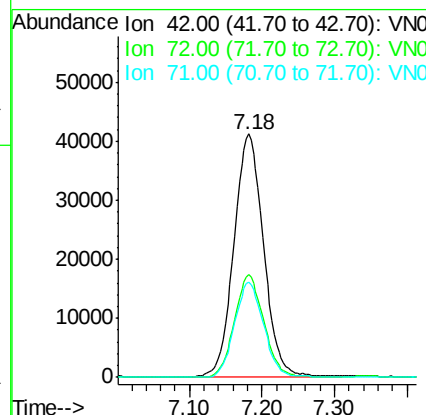
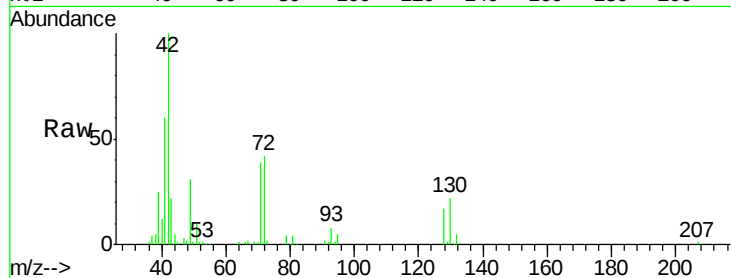
#29
Tetrahydrofuran
Concen: 117.723 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.2	49.8
71	38.1	31.1	46.7

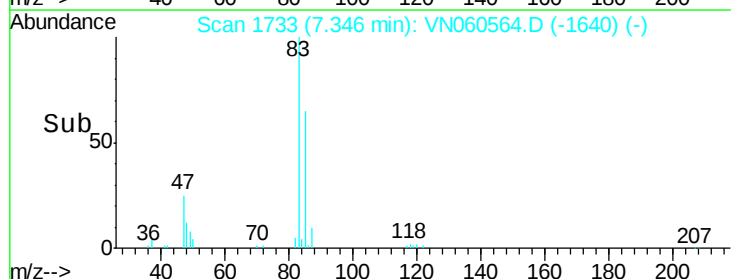
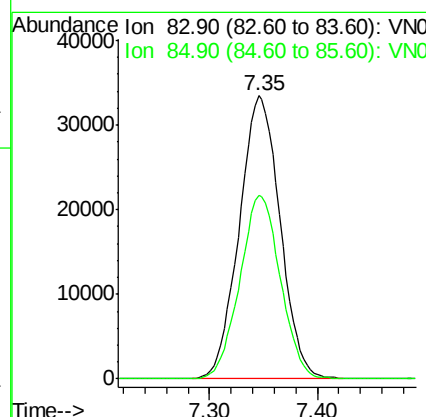
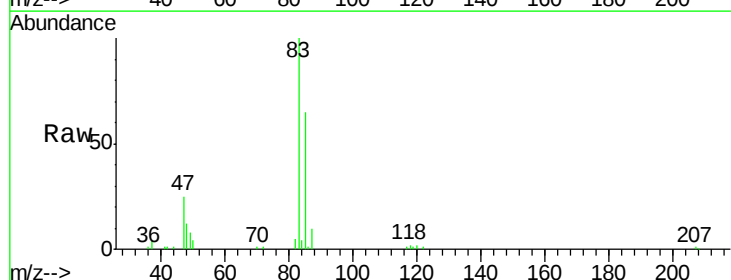
Manual Integrations
APPROVED

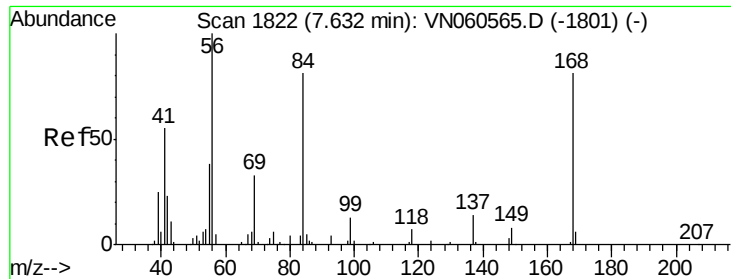
MMDadoda
3/18/2020 7:00:38 PM



#30
Chloroform
Concen: 20.652 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





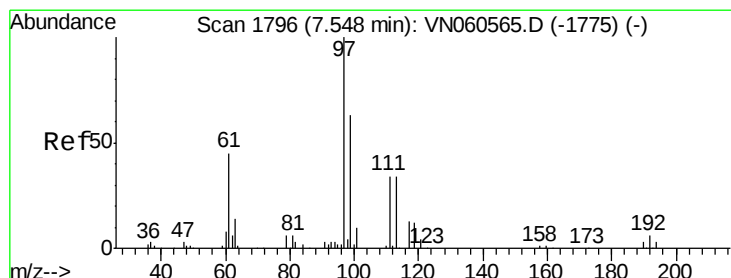
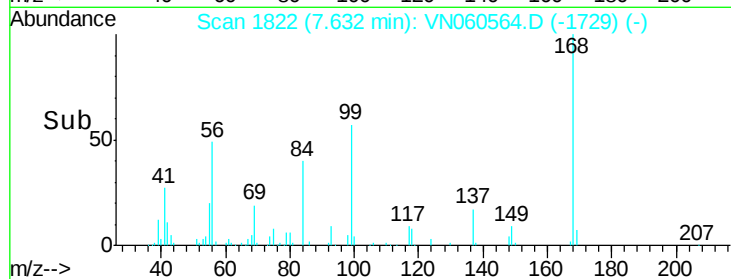
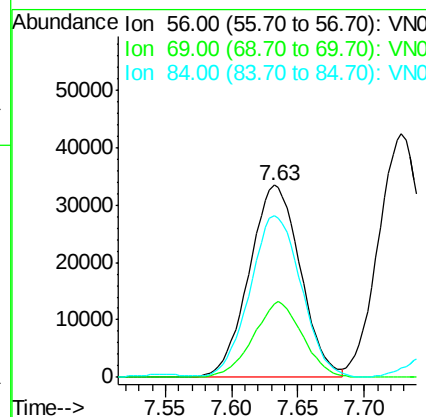
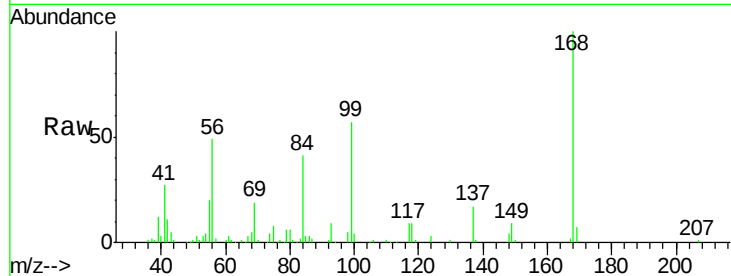
#31
Cyclohexane
Concen: 22.077 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.6	40.0
84	83.3	64.3	96.5

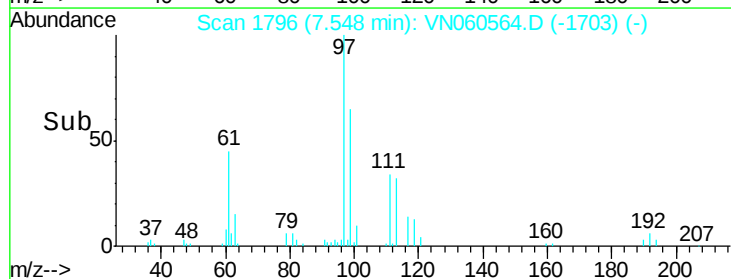
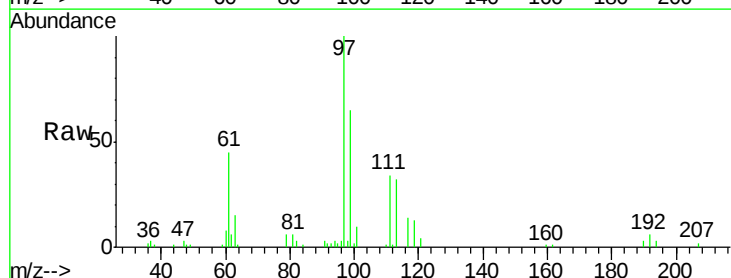
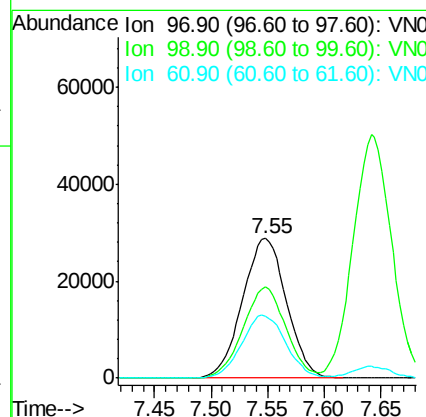
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#32
1,1,1-Trichloroethane
Concen: 20.681 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	75.8
61	45.3	36.2	54.4





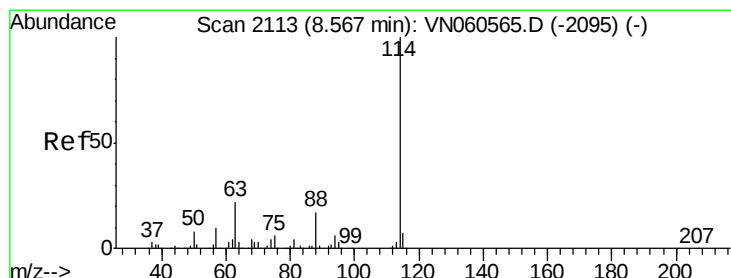
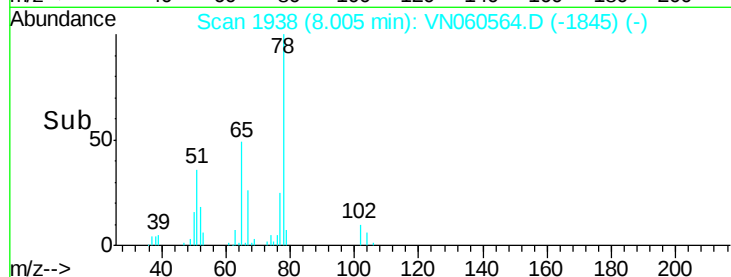
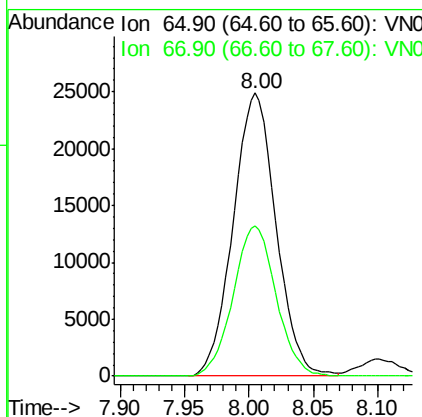
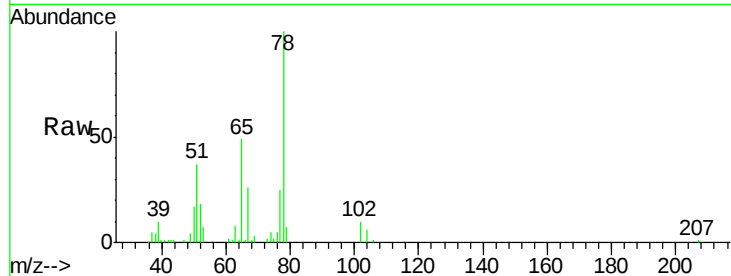
#33
 1,2-Dichloroethane-d4
 Concen: 20.994 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.6

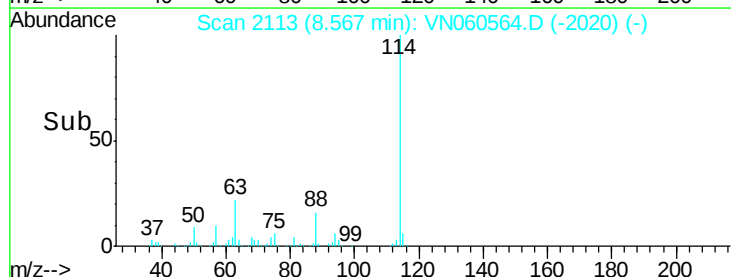
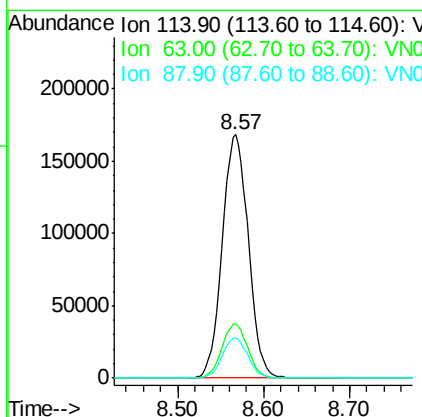
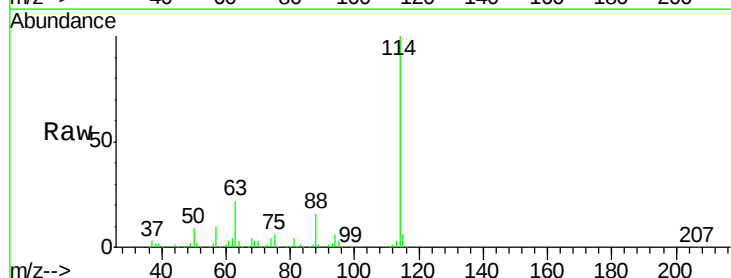
Manual Integrations
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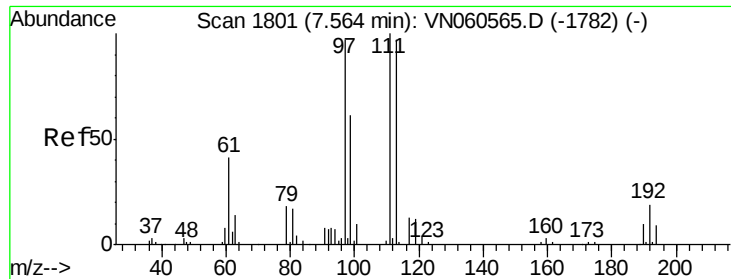
MMDadoda
 3/18/2020 7:00:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.3	0.0	33.0





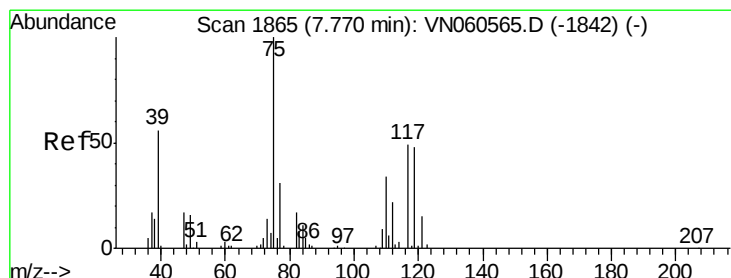
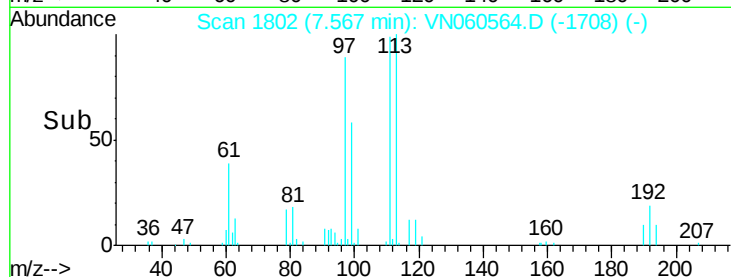
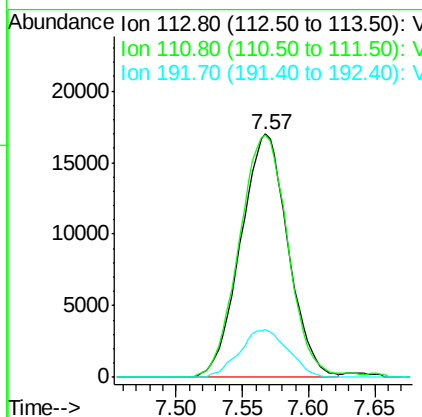
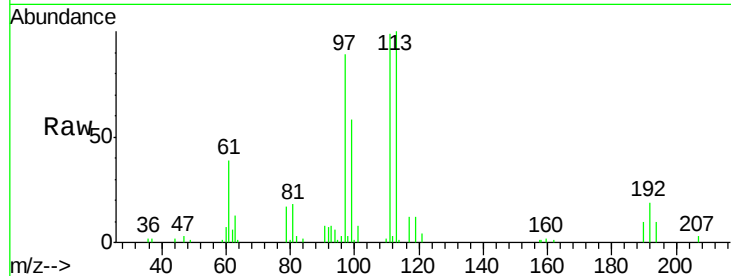
#35
 Dibromofluoromethane
 Concen: 24.090 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	20.1	15.8	23.8

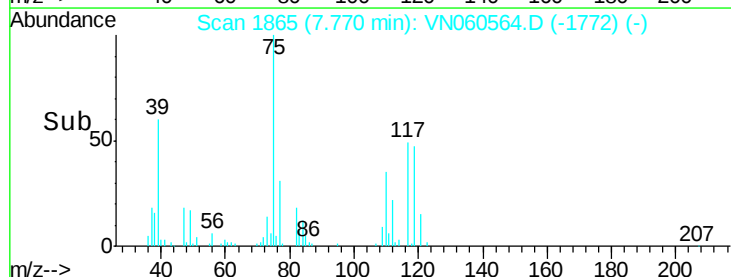
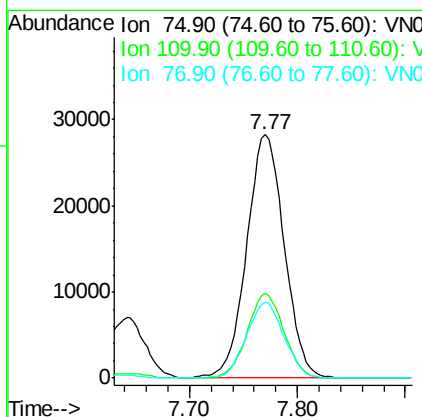
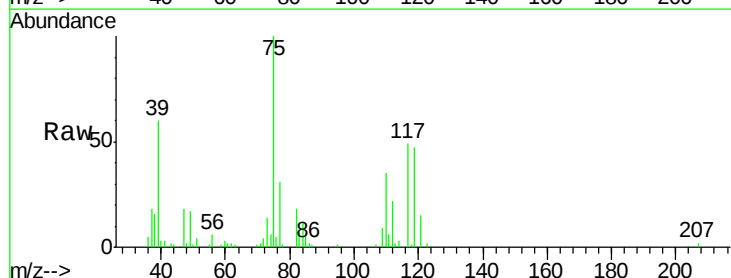
Manual Integrations
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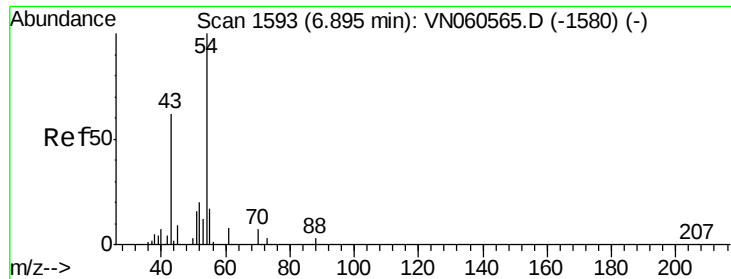
MMDadoda
 3/18/2020 7:00:38 PM



#36
 1,1-Dichloropropene
 Concen: 19.890 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	31.3	24.6	36.8





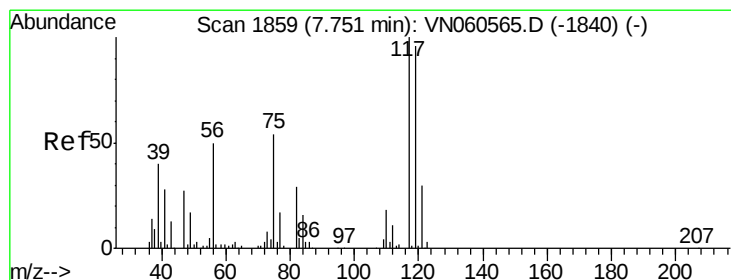
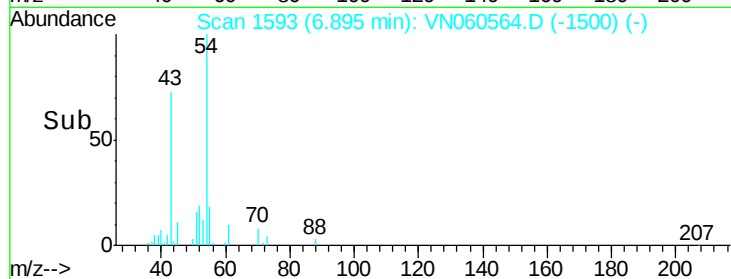
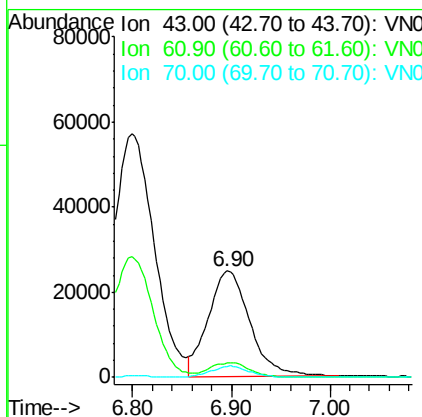
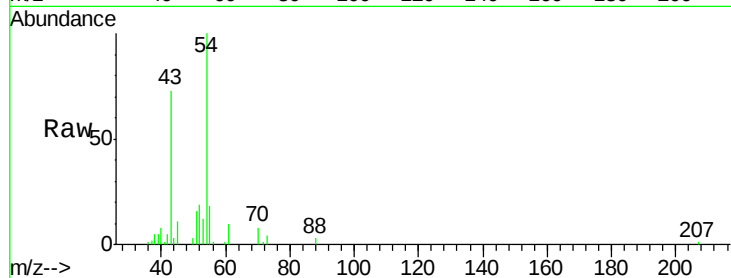
#37
Ethyl Acetate
Concen: 22.201 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	9.8	7.9	11.9

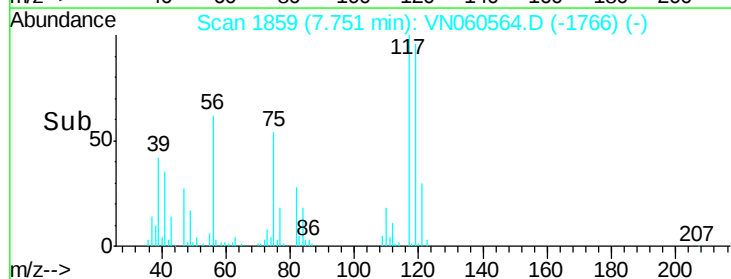
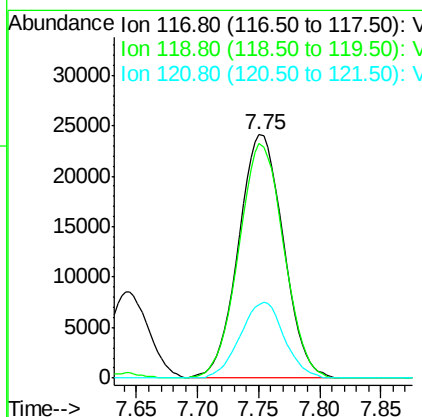
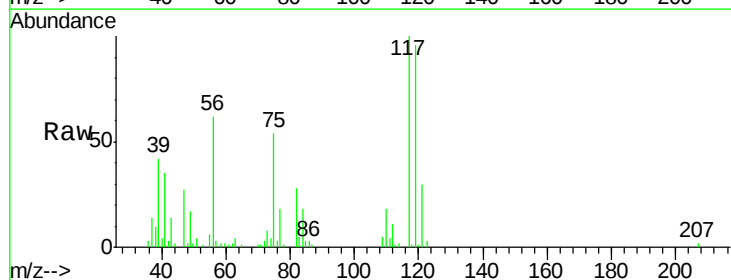
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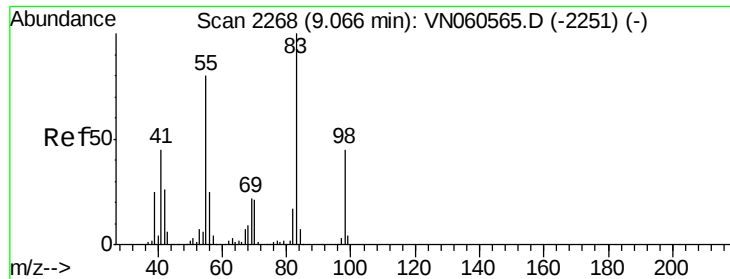
MMDadoda
3/18/2020 7:00:38 PM



#38
Carbon Tetrachloride
Concen: 18.743 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	30.2	23.7	35.5





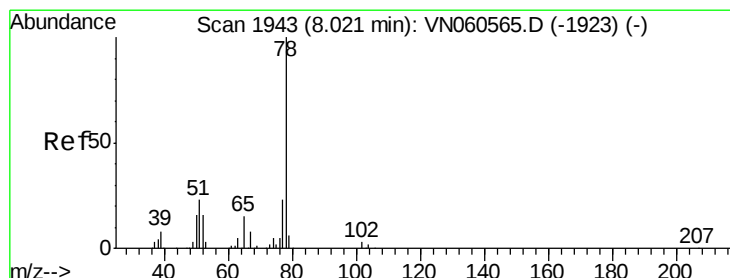
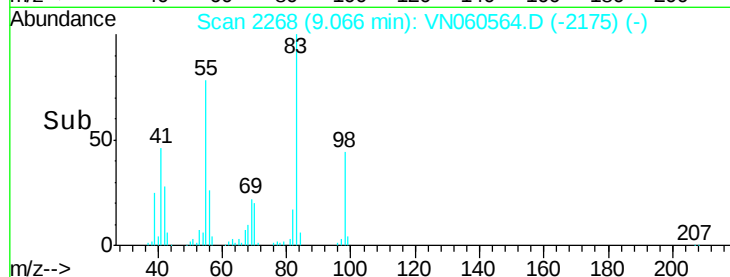
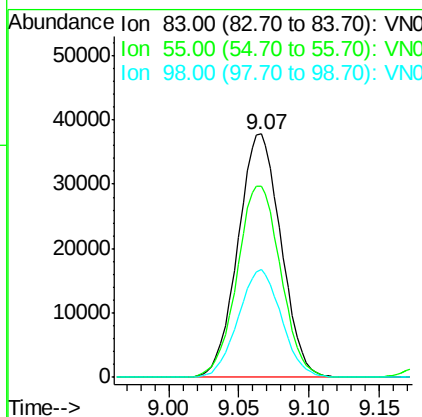
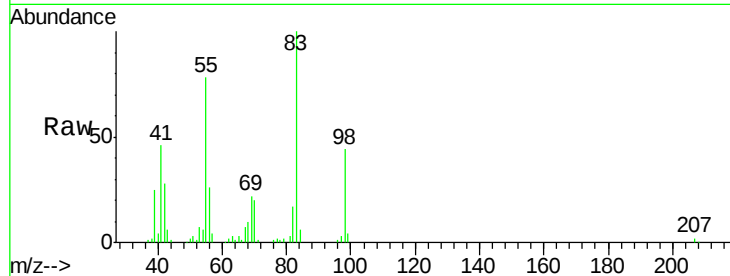
#39
Methvlcvclohexane
Concen: 19.891 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	63.6	95.4
98	44.3	36.0	54.0

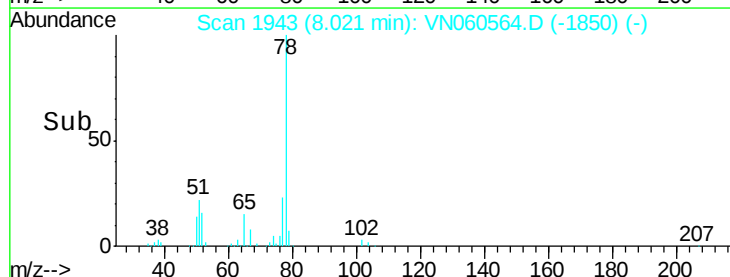
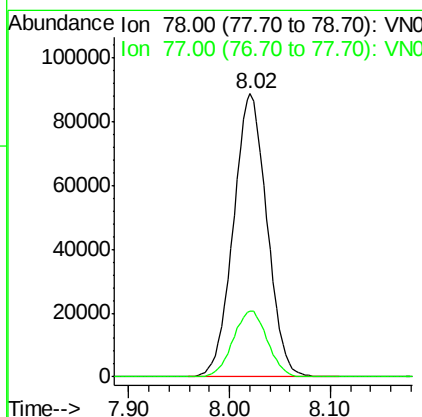
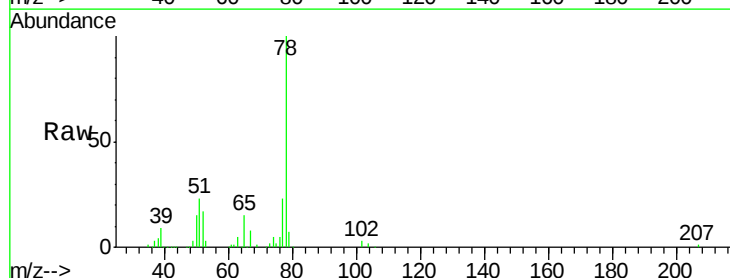
Manual Integrations
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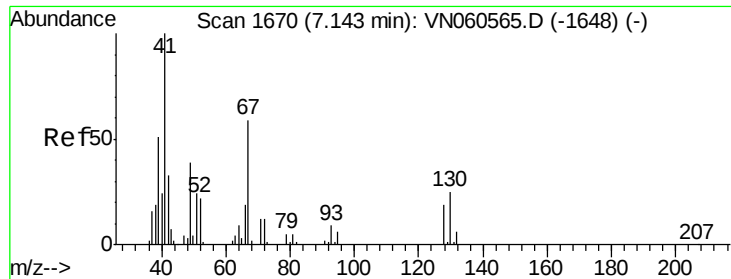
MMDadoda
3/18/2020 7:00:38 PM



#40
Benzene
Concen: 20.446 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





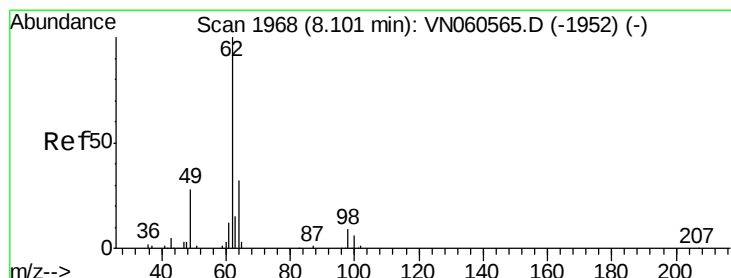
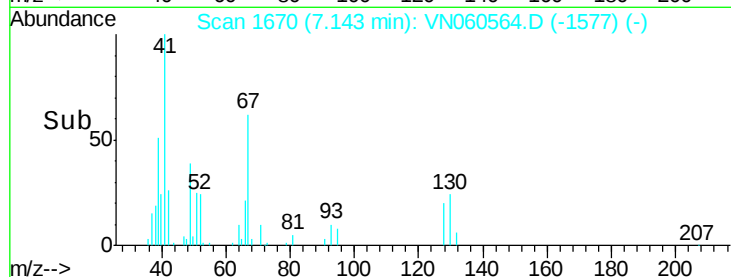
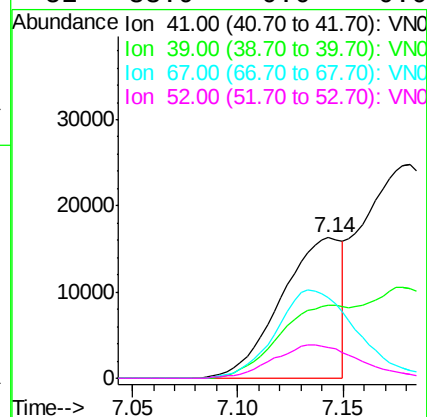
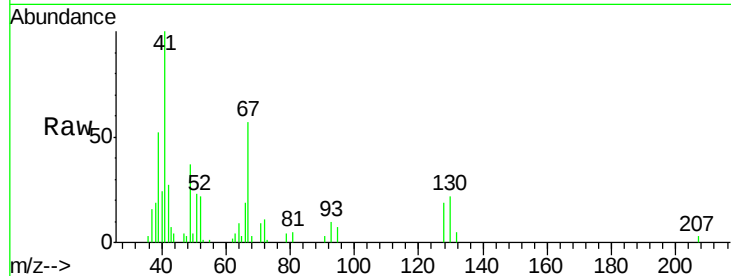
#41
Methacrylonitrile
Concen: 21.938 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	41	Resp	32720
Ion Ratio	Lower	Upper	
41	100		
39	58.4	0.0	0.0#
67	84.3	0.0	0.0#
52	33.9	0.0	0.0#

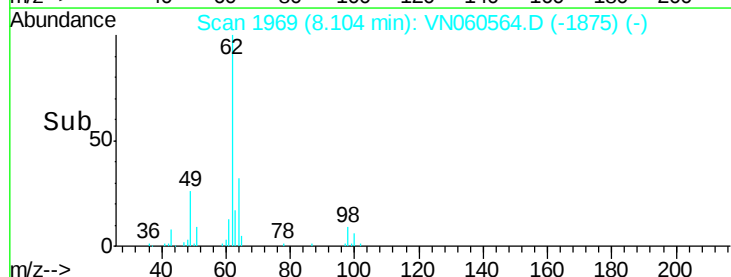
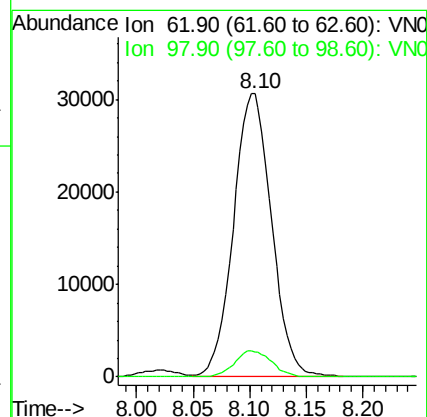
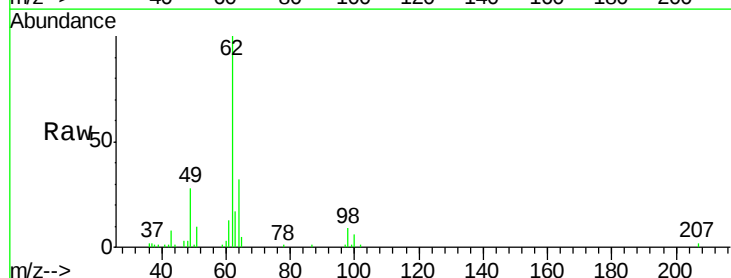
Manual Integrations
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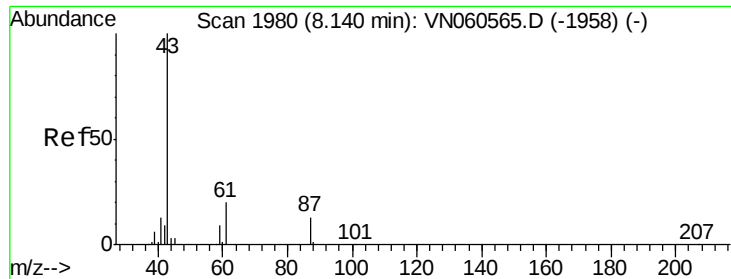
MMDadoda
3/18/2020 7:00:38 PM



#42
1,2-Dichloroethane
Concen: 20.113 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	62	Resp	71743
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





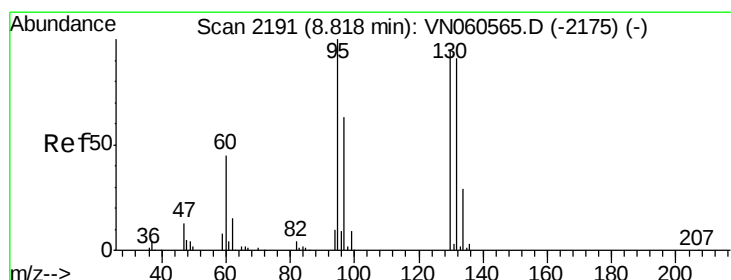
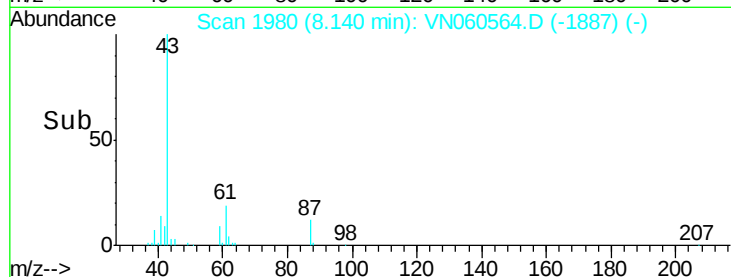
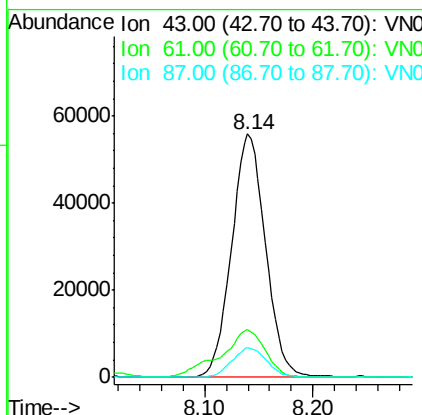
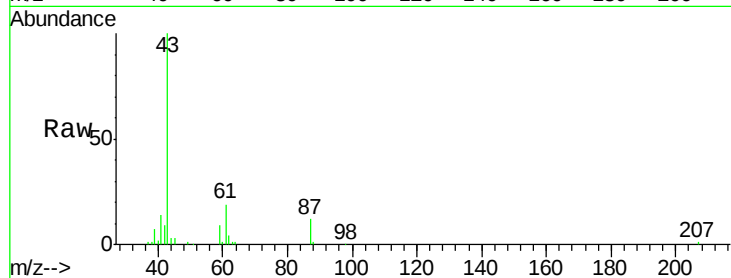
#43
Isopropyl Acetate
Concen: 21.480 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.3	9.8	14.8

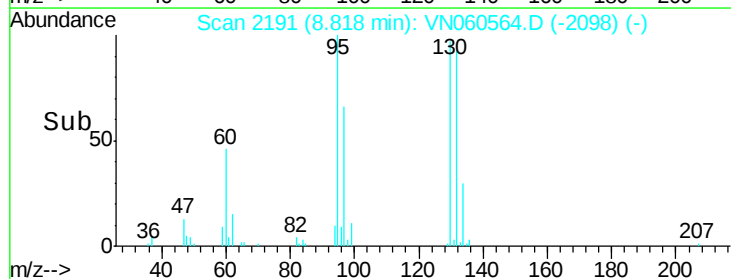
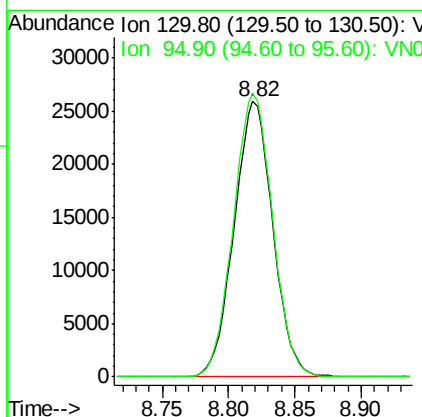
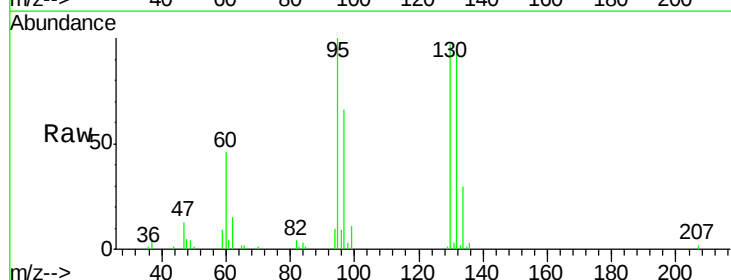
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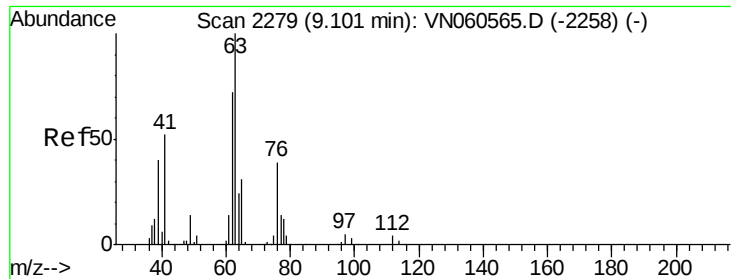
MMDadoda
3/18/2020 7:00:38 PM



#44
Trichloroethene
Concen: 19.068 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	211.2





#45

1,2-Dichloropropane

Concen: 21.114 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 55107

Ion Ratio Lower Upper

63 100

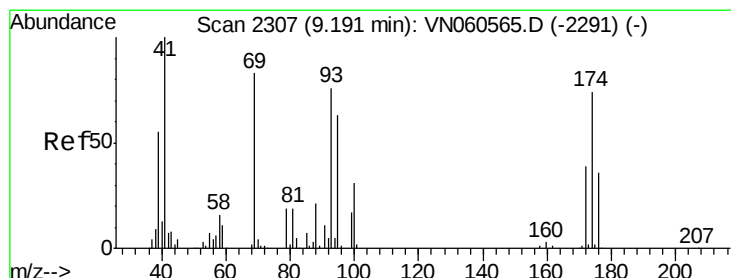
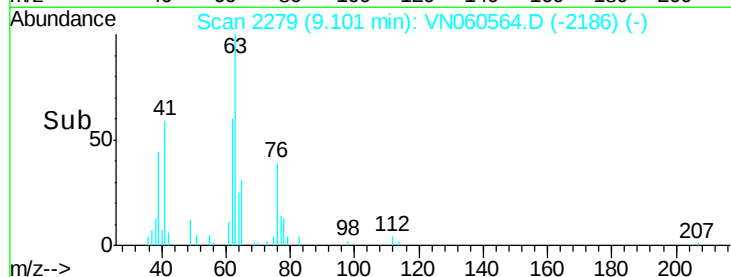
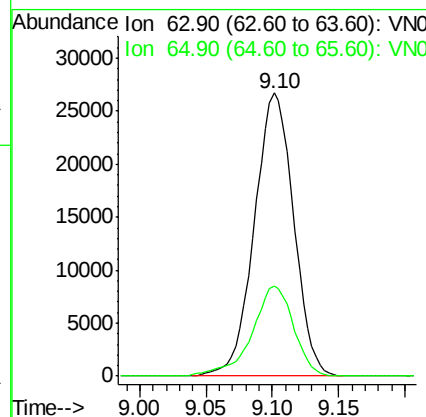
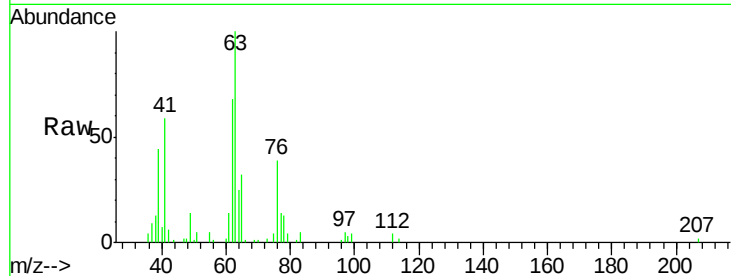
65 31.9 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.880 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

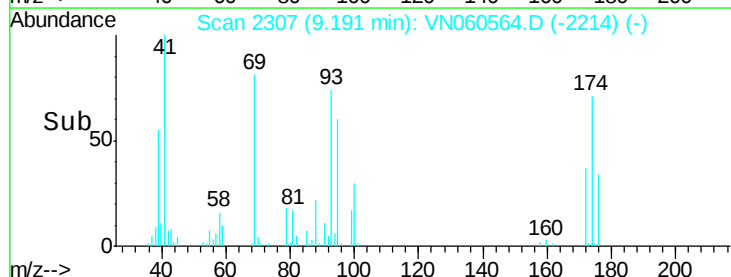
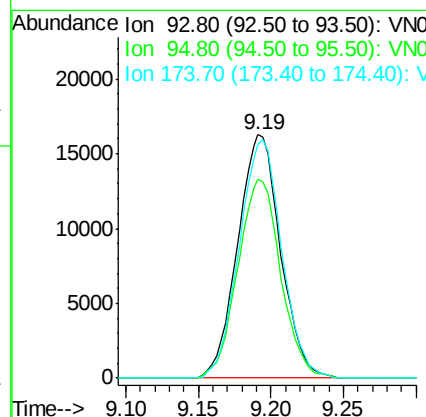
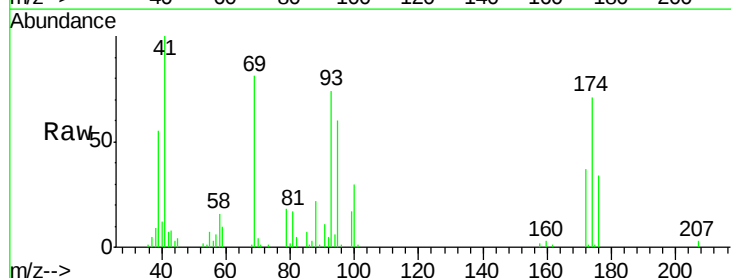
Tgt Ion: 93 Resp: 33403

Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.4

174 97.1 77.9 116.9





#47

Bromodichloromethane

Concen: 19.924 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

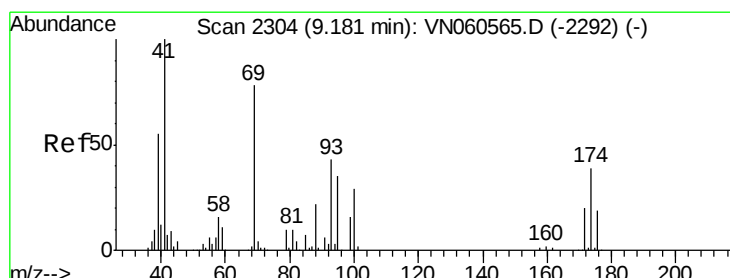
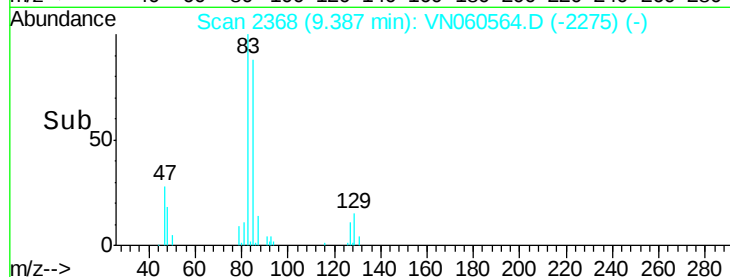
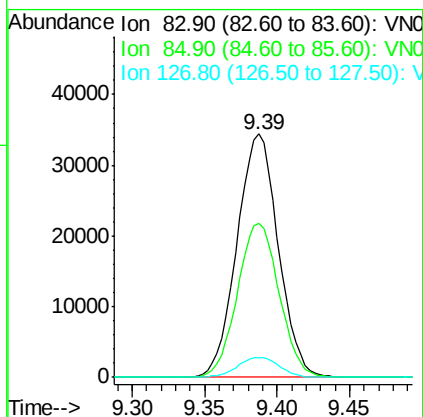
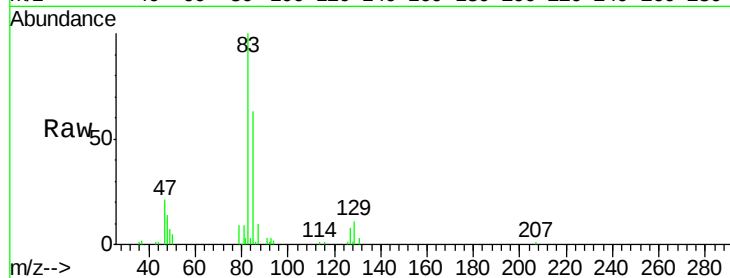
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	68047
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.8	77.6
127	8.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.074 ug/l

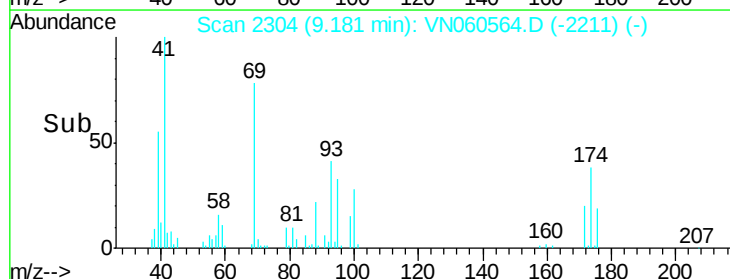
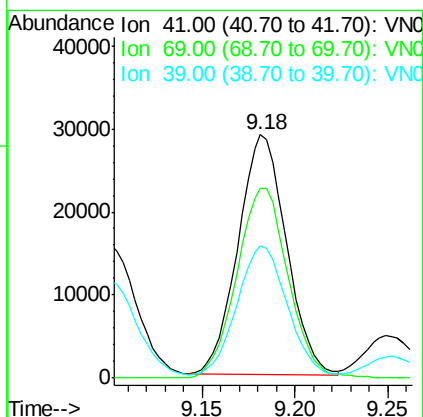
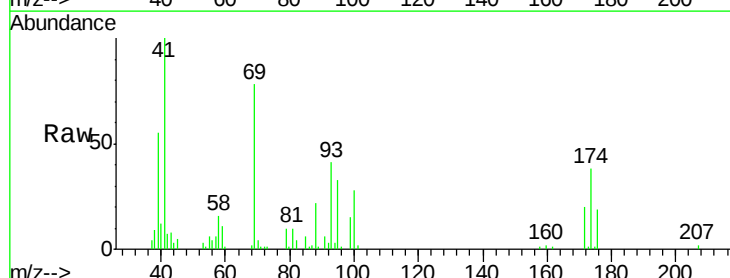
RT: 9.18 min Scan# 2304

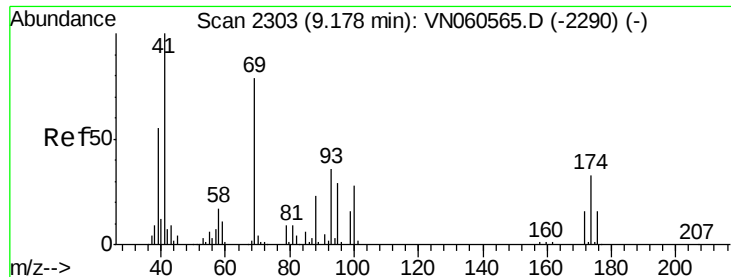
Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion:	41	Resp:	52173
Ion Ratio	Lower	Upper	
41	100		
69	84.2	65.4	98.0
39	55.8	44.0	66.0





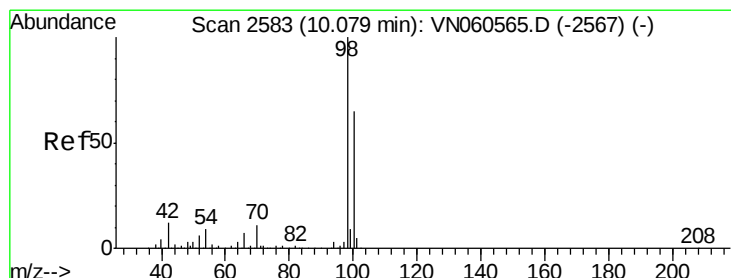
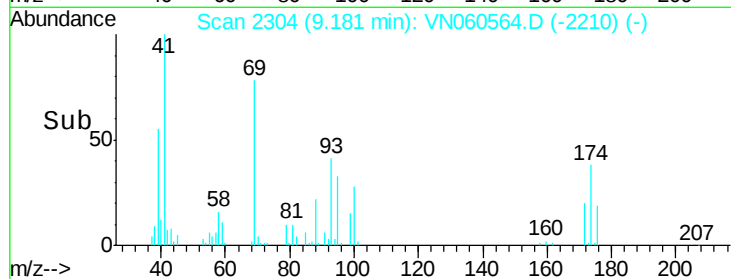
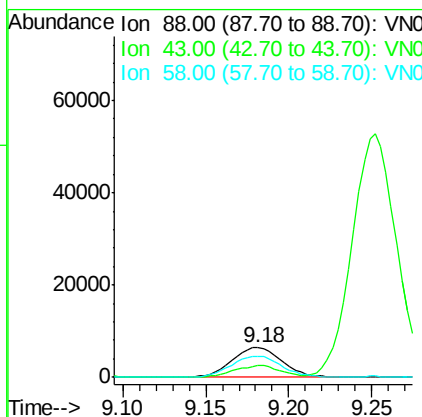
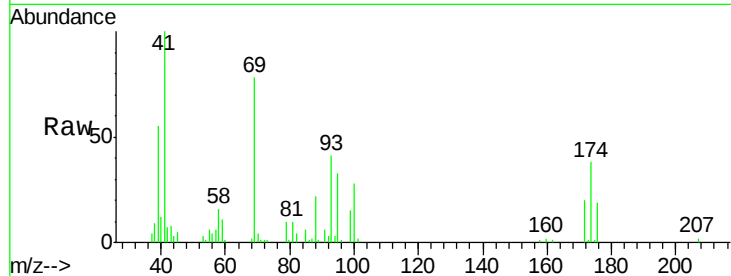
#49
1,4-Dioxane
Concen: 370.716 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.8	46.2
58	73.2	59.8	89.8

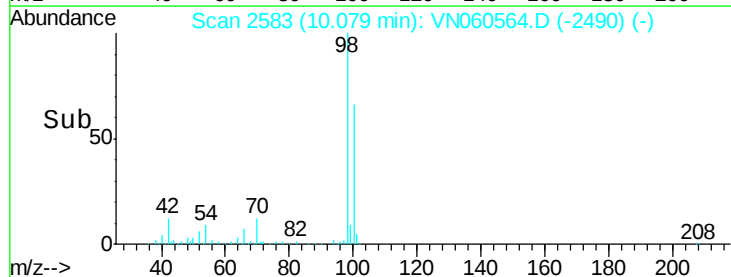
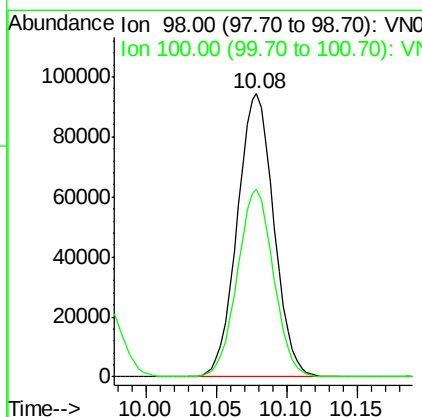
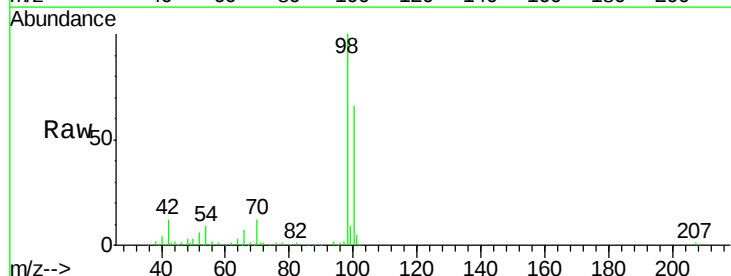
Manual Integrations
APPROVED

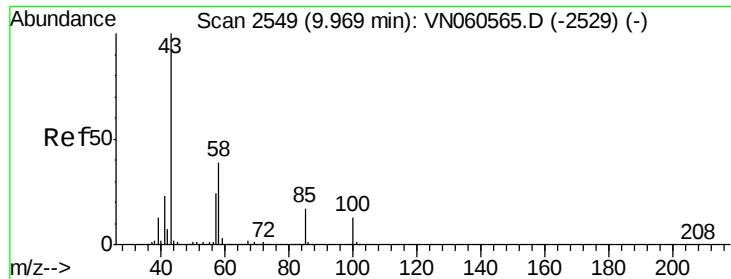
MMDadoda
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#50
Toluene-d8
Concen: 20.053 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 108.876 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 352997

Ion Ratio Lower Upper

43 100

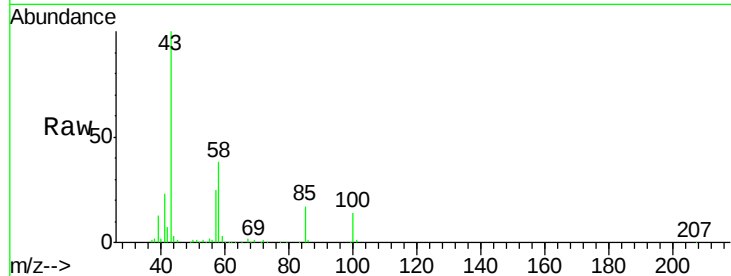
58 38.4 30.8 46.2

Manual Integrations

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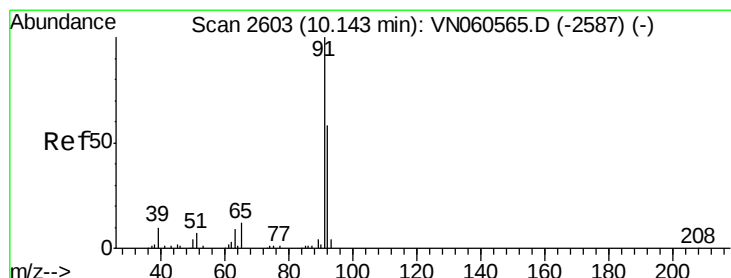
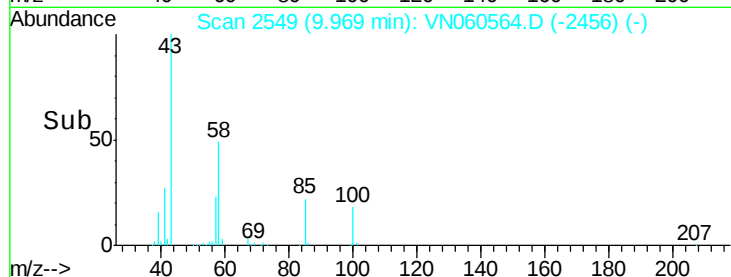
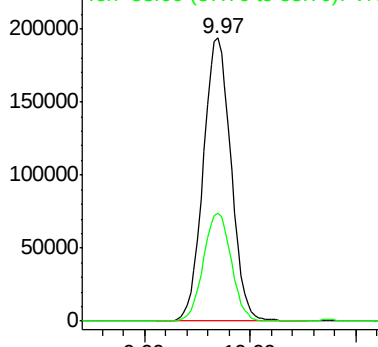
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.988 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060564.D

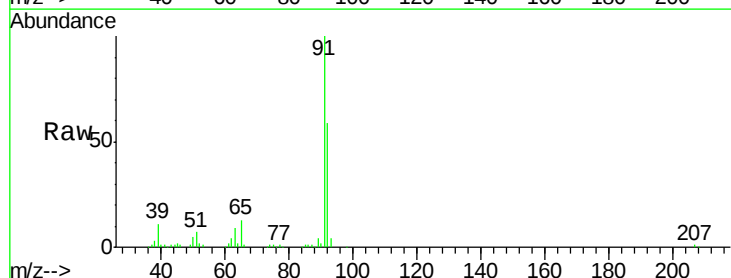
Acq: 17 Mar 2020 18:50

Tgt Ion: 92 Resp: 124812

Ion Ratio Lower Upper

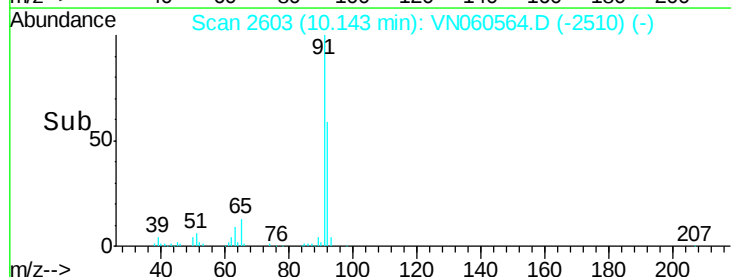
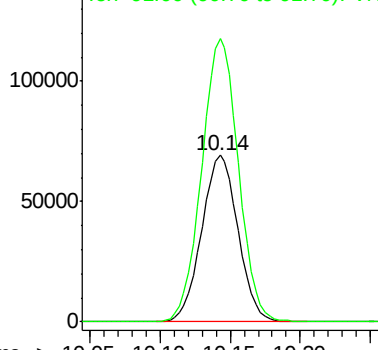
92 100

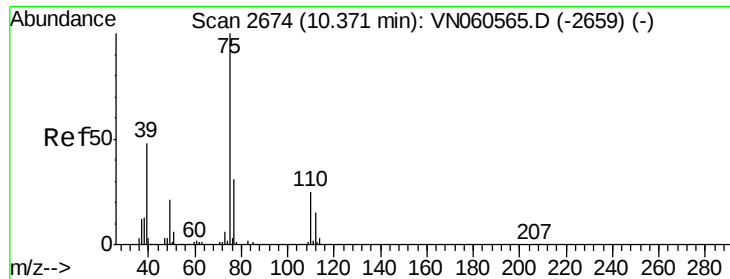
91 171.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.591 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 77684

Ion Ratio Lower Upper

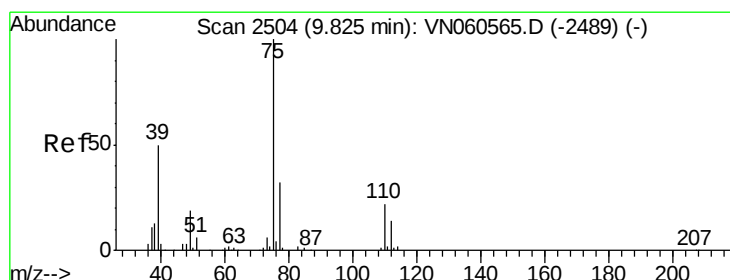
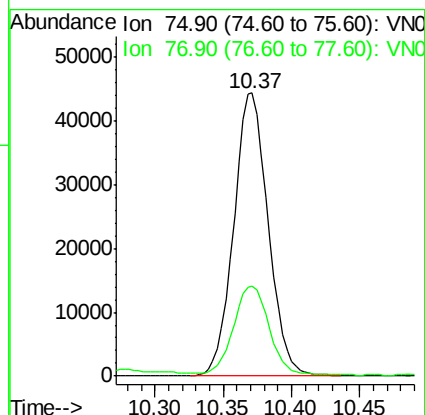
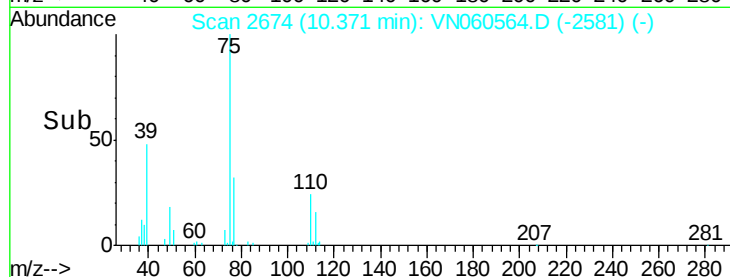
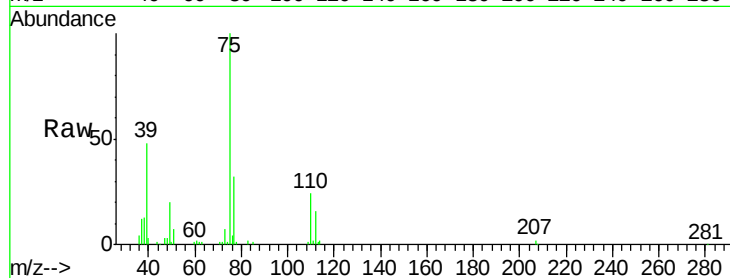
75 100

77 31.3 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 19.794 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

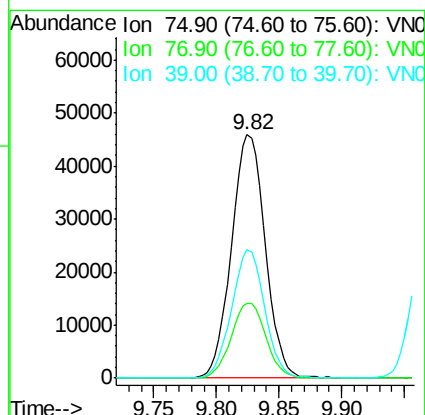
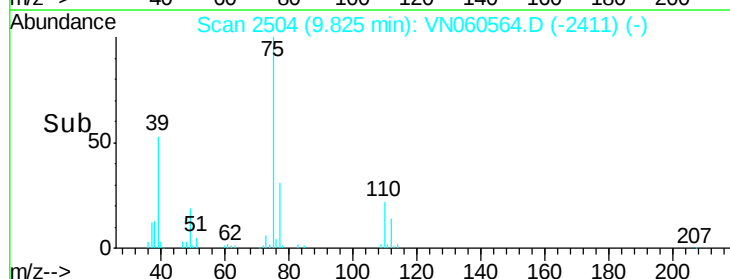
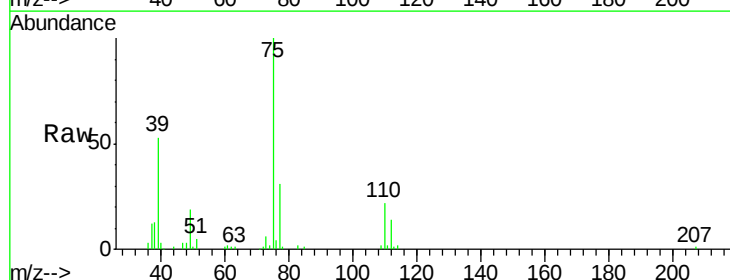
Tgt Ion: 75 Resp: 85950

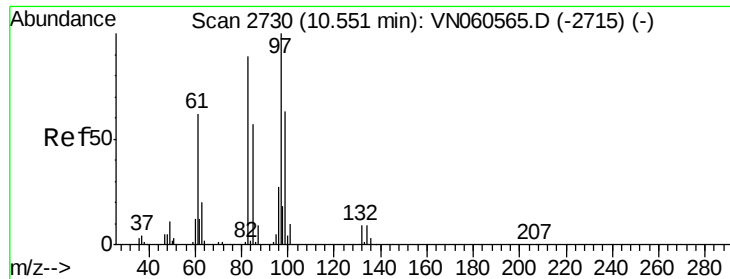
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.5 40.2 60.4





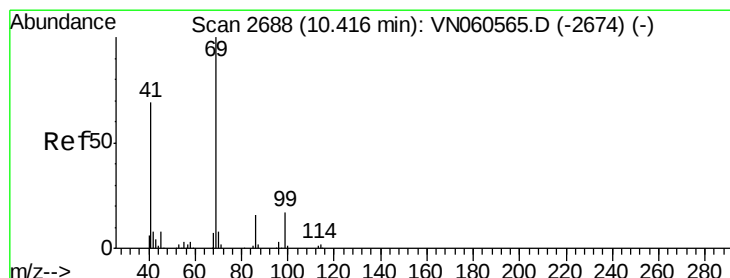
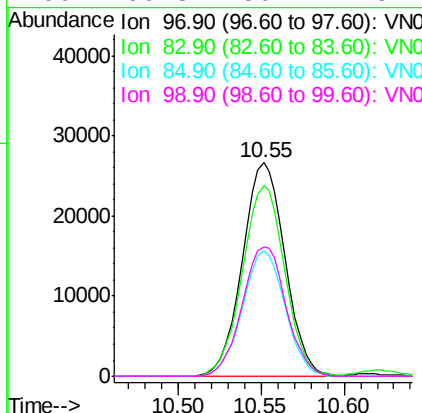
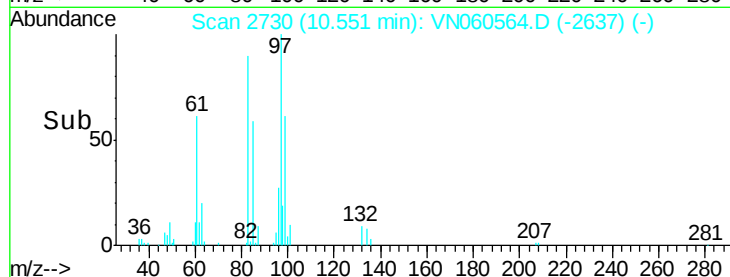
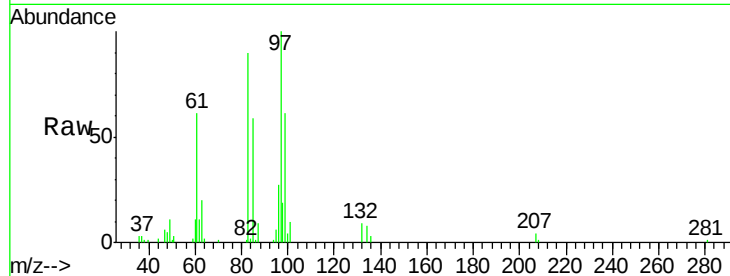
#55
 1,1,2-Trichloroethane
 Concen: 19.075 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	47651
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.3	106.9
85	58.7	45.2	67.8
99	60.8	50.1	75.1

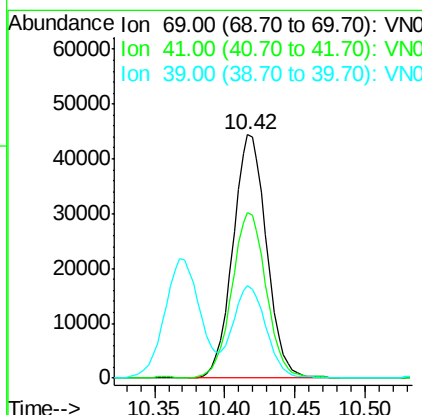
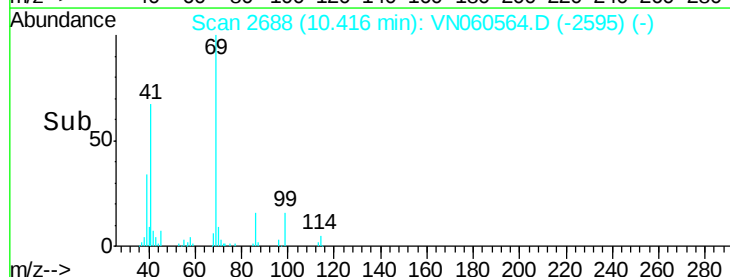
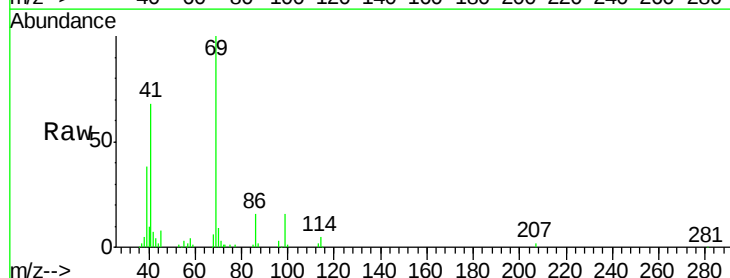
Manual Integrations
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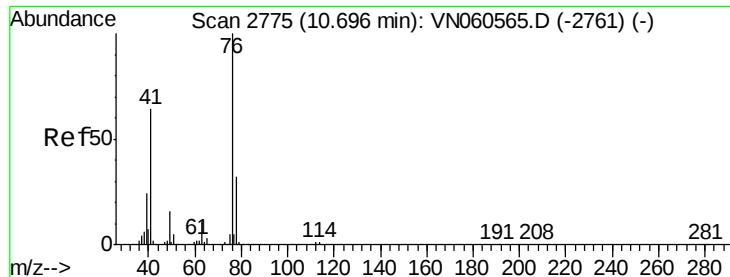
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 3/18/2020 7:00:38 PM



#56
 Ethyl methacrylate
 Concen: 20.508 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion:	69	Resp:	74288
Ion	Ratio	Lower	Upper
69	100		
41	69.5	55.4	83.2
39	37.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.468 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 83842

Ion Ratio Lower Upper

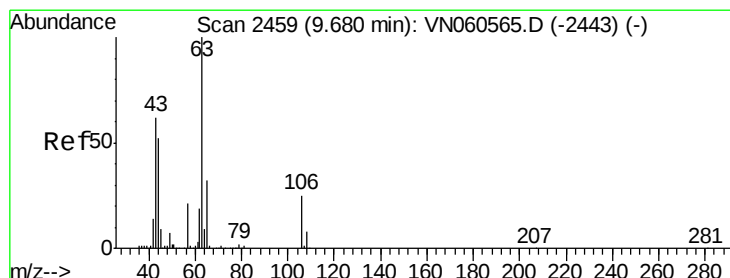
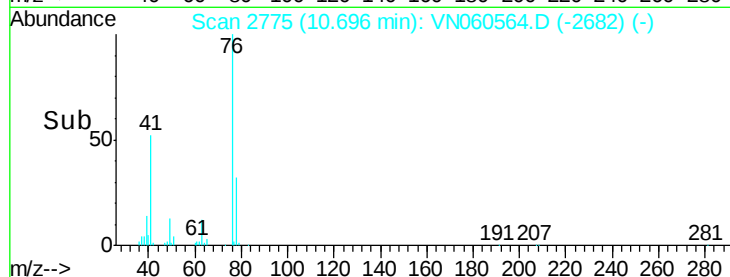
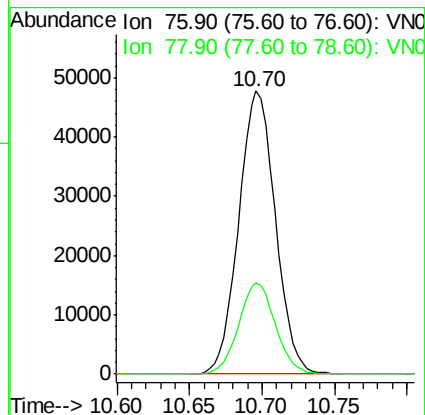
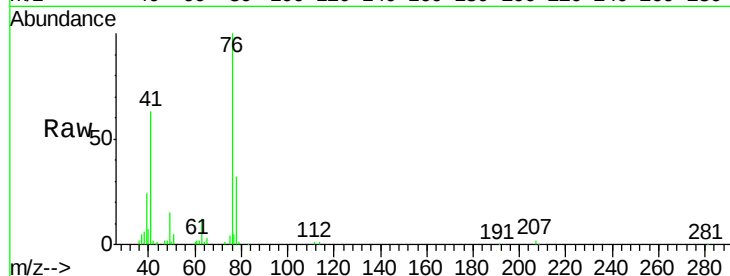
76 100

78 32.2 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 89.099 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060564.D

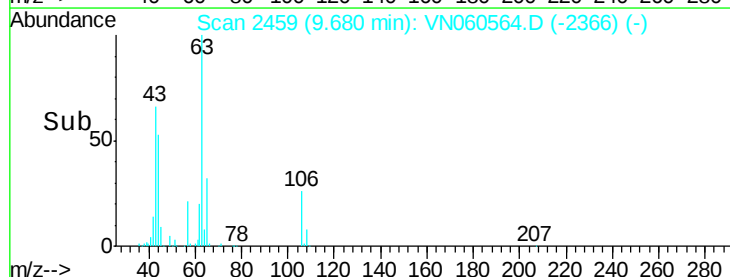
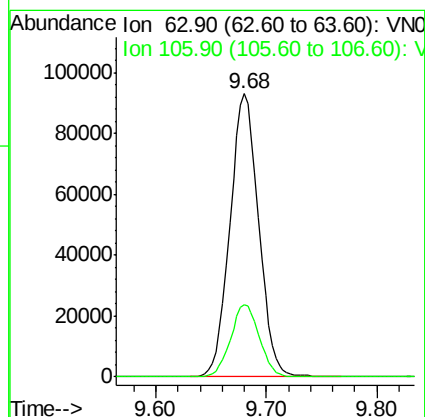
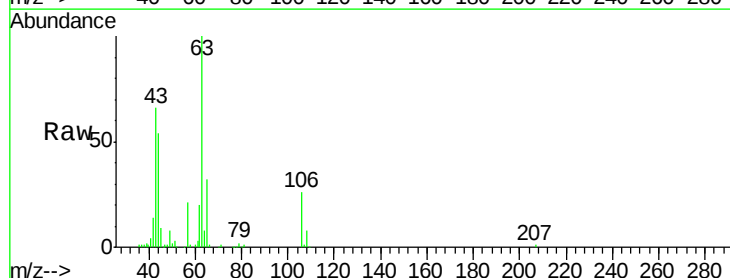
Acq: 17 Mar 2020 18:50

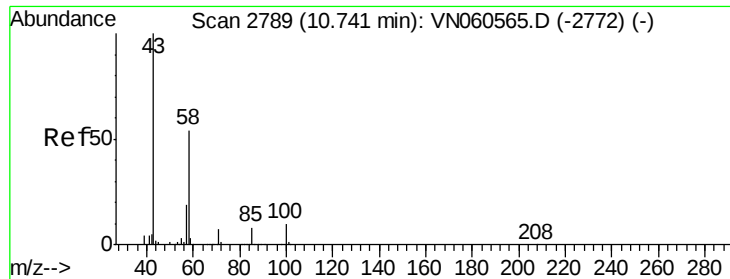
Tgt Ion: 63 Resp: 168077

Ion Ratio Lower Upper

63 100

106 25.5 20.0 30.0





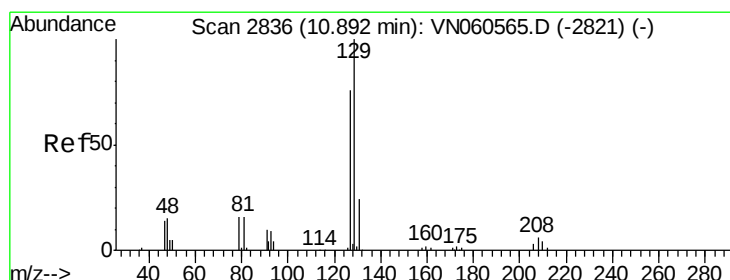
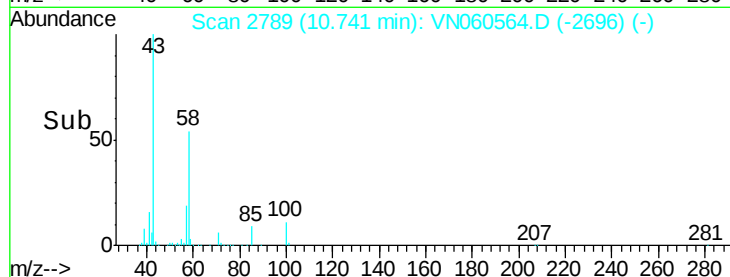
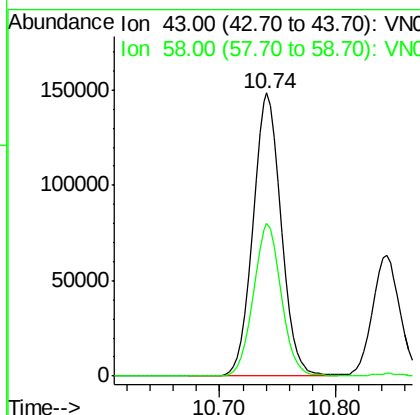
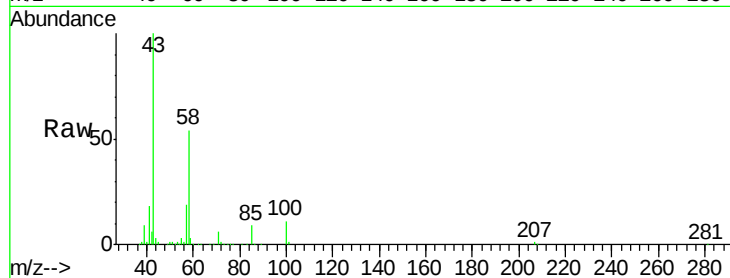
#59
2-Hexanone
Concen: 106.137 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 252393
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1

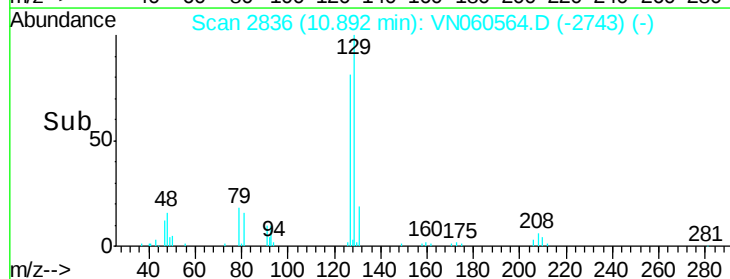
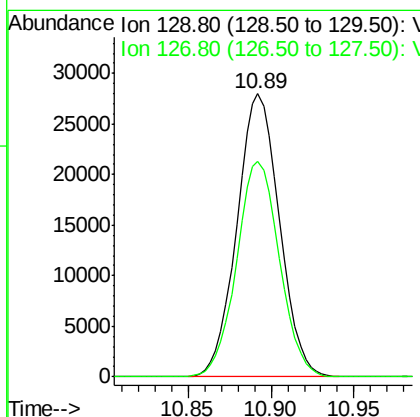
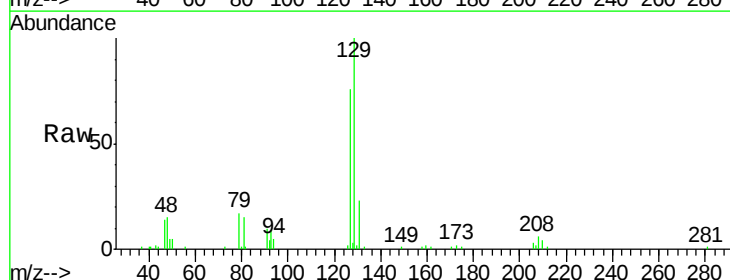
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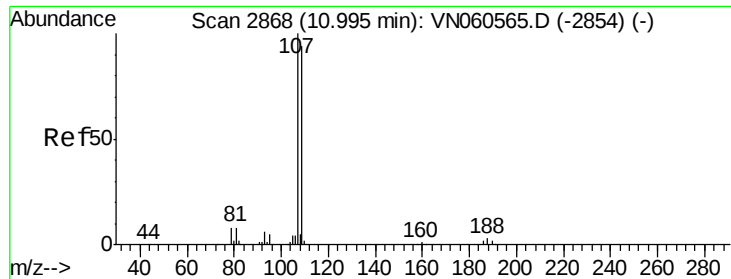
MMDadoda
3/18/2020 7:00:38 PM



#60
Dibromochloromethane
Concen: 19.675 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion: 129 Resp: 49965
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





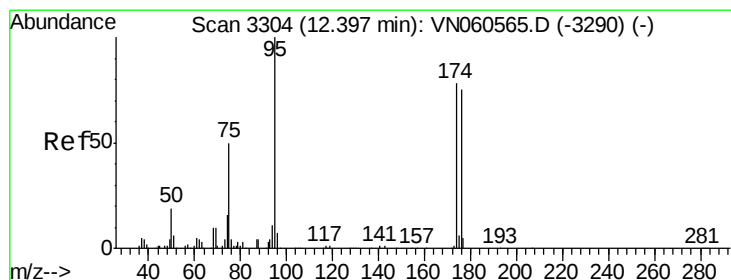
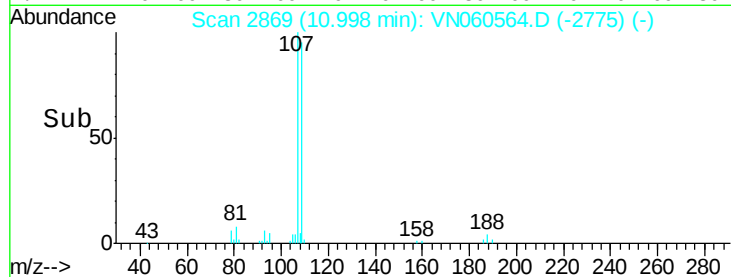
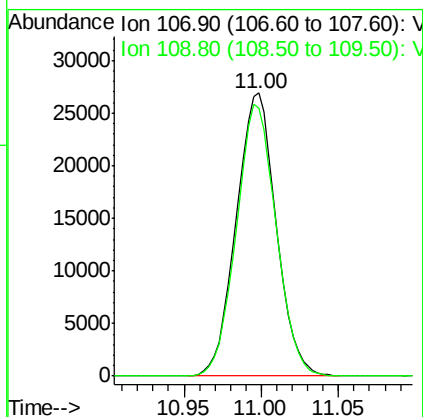
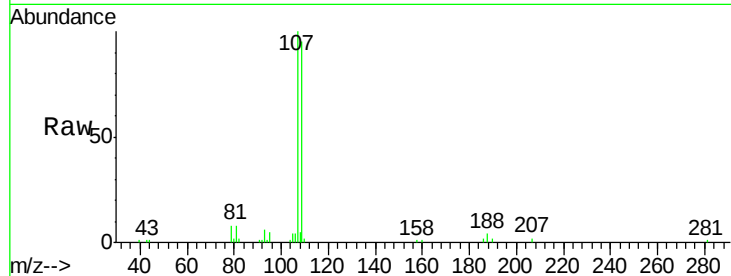
#61
 1,2-Dibromoethane
 Concen: 19.753 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 48241
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.2

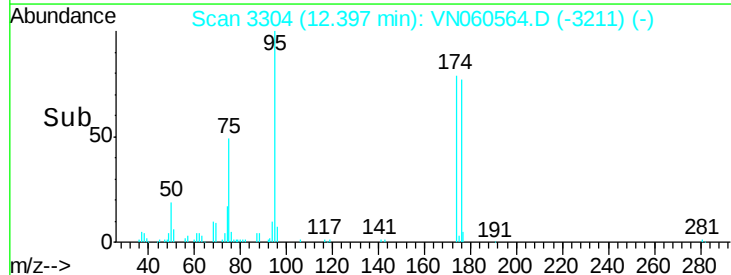
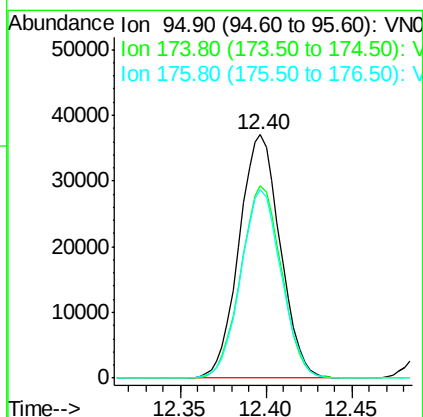
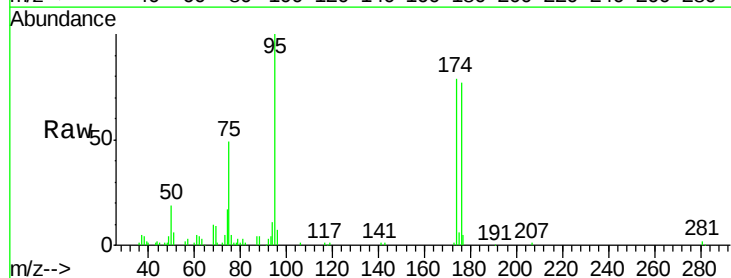
Manual Integrations
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 3/18/2020 7:00:38 PM



#62
 4-Bromofluorobenzene
 Concen: 19.122 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion: 95 Resp: 61291
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 76.3 0.0 150.6





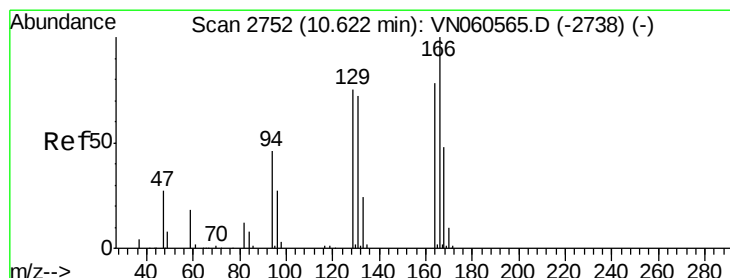
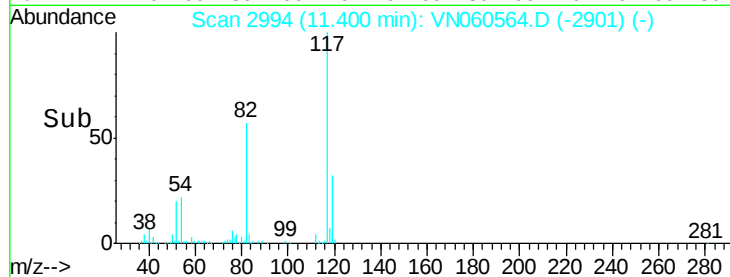
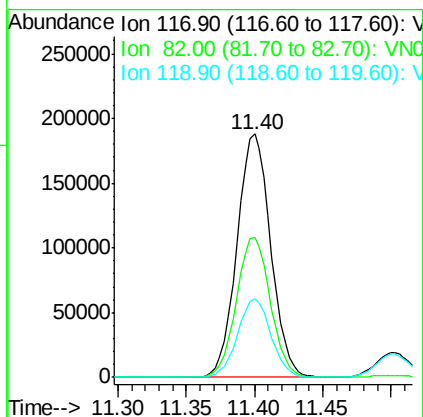
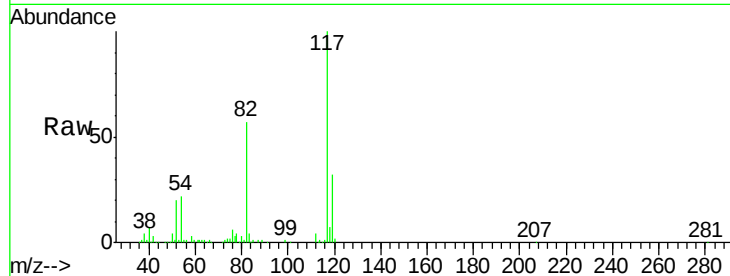
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.7	70.1
119	32.3	25.5	38.3

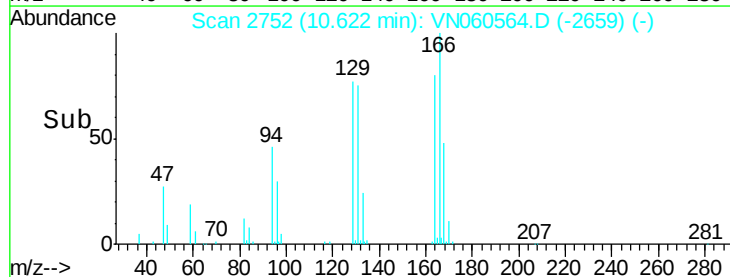
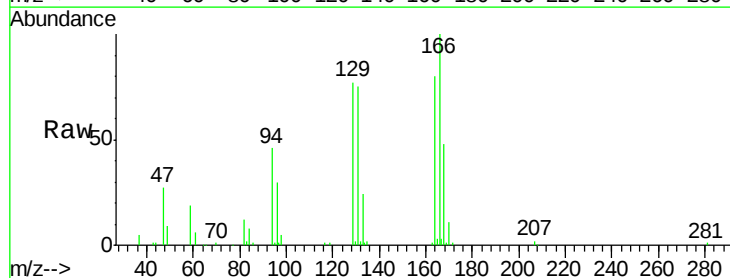
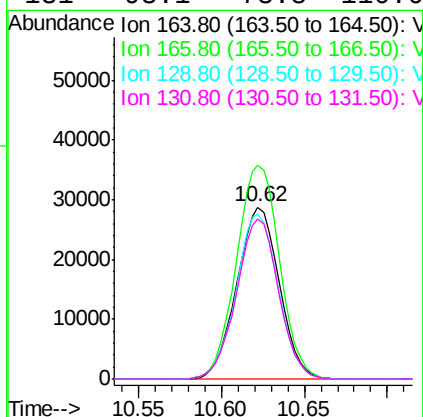
Manual Integrations
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#64
Tetrachloroethene
Concen: 17.933 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.7	154.1
129	96.2	77.2	115.8
131	93.1	73.8	110.6





#65

Chlorobenzene

Concen: 19.340 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 126408

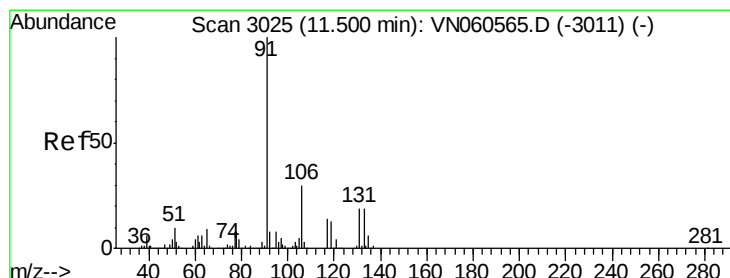
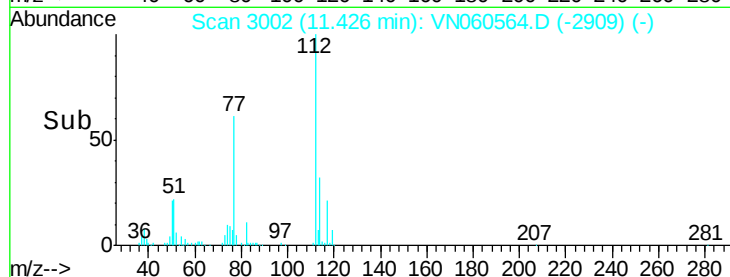
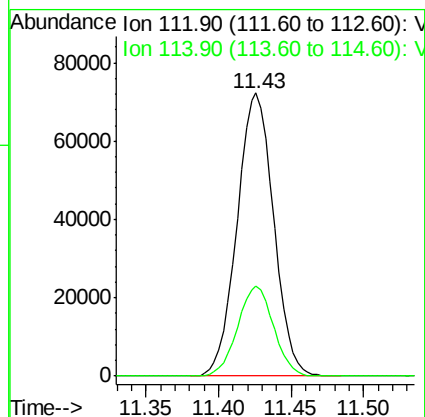
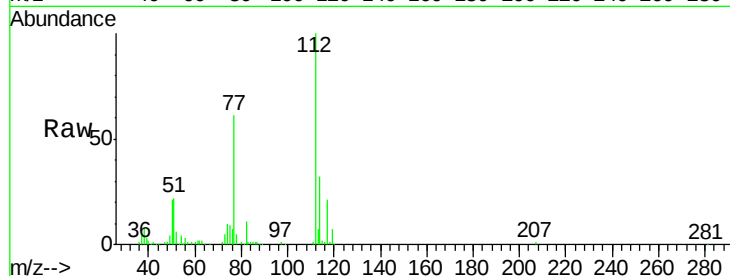
Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.457 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

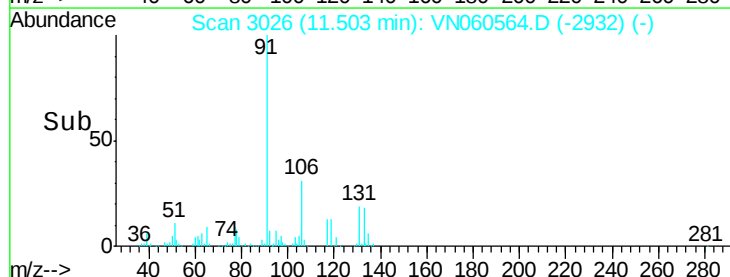
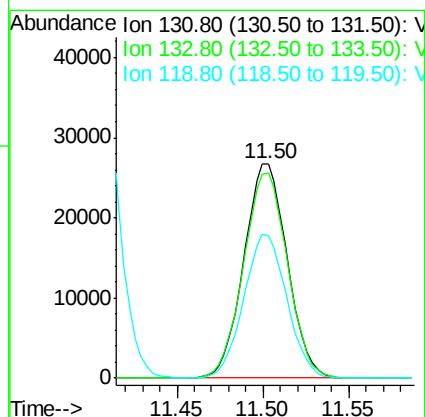
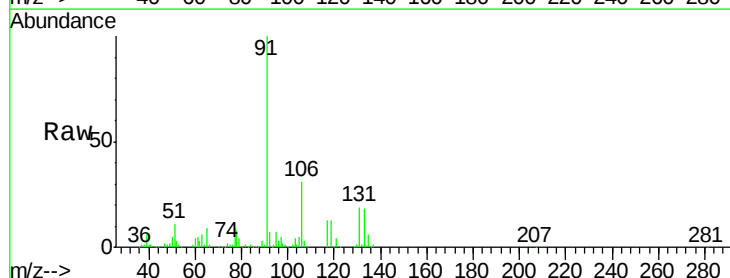
Tgt Ion:131 Resp: 46721

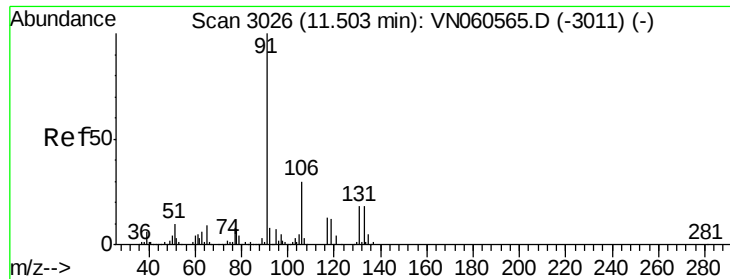
Ion Ratio Lower Upper

131 100

133 97.3 48.9 146.8

119 66.6 33.9 101.7





#67

Ethyl Benzene

Concen: 19.824 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 237050

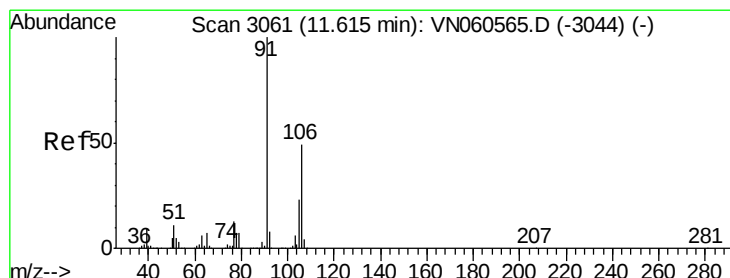
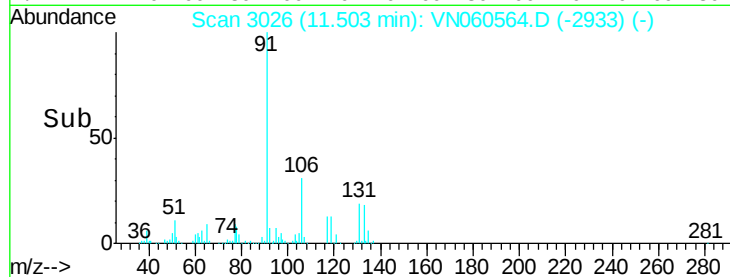
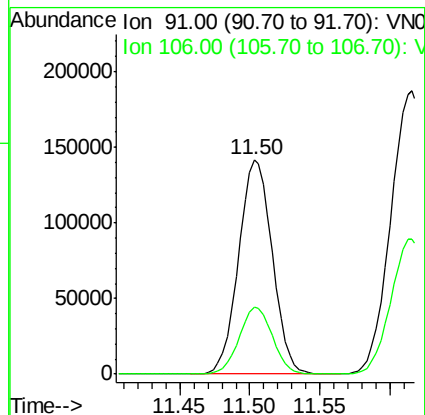
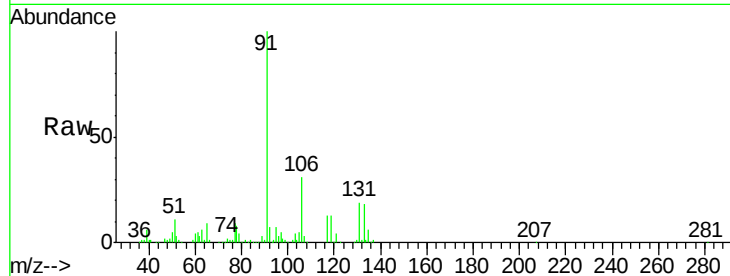
Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.2

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#68

m/p-Xylenes

Concen: 38.410 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060564.D

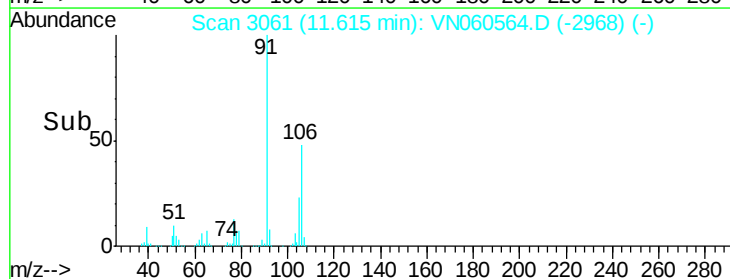
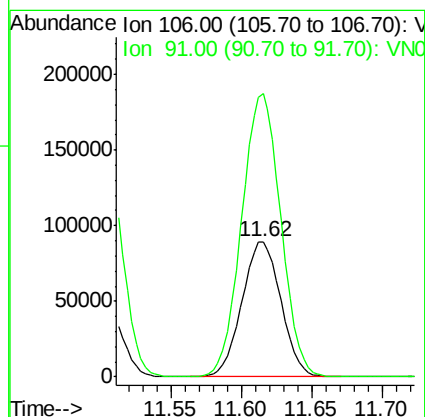
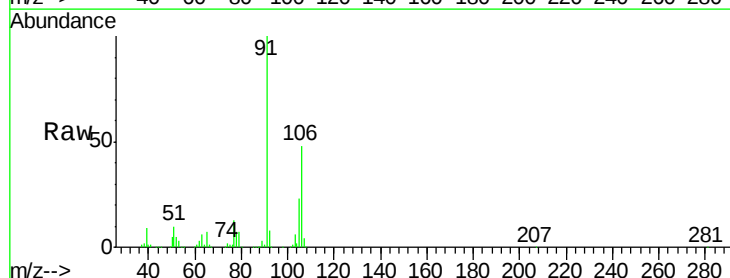
Acq: 17 Mar 2020 18:50

Tgt Ion: 106 Resp: 173200

Ion Ratio Lower Upper

106 100

91 209.6 165.0 247.4





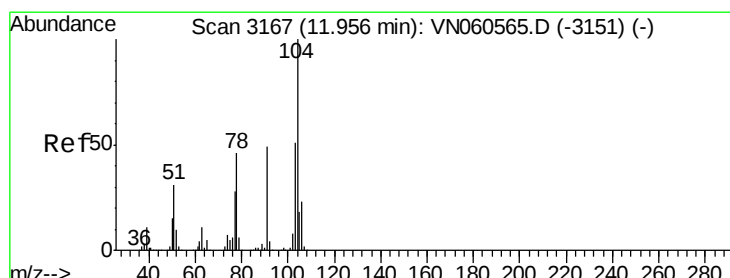
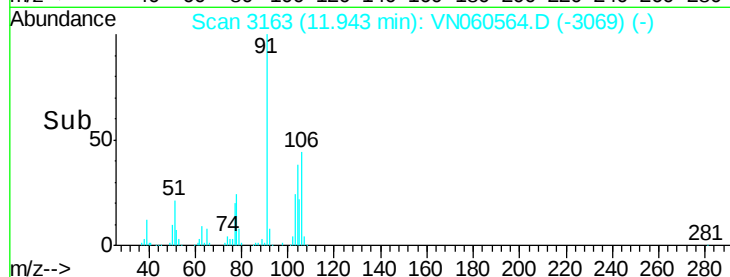
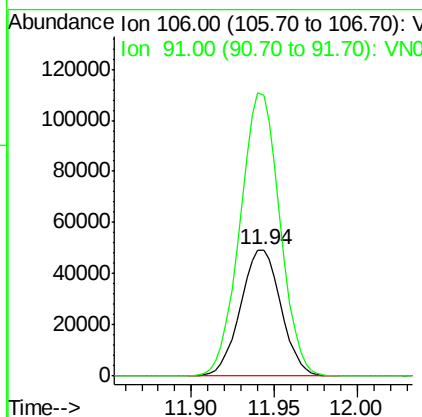
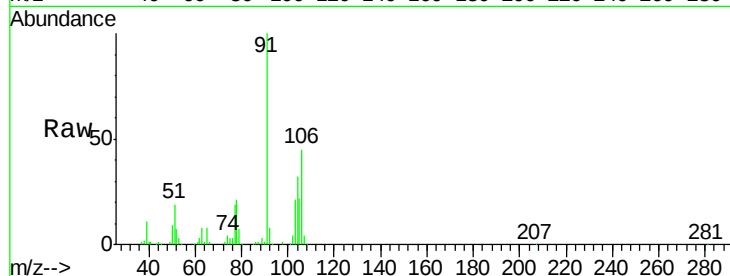
#69
o-Xylene
Concen: 19.528 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 83913
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4

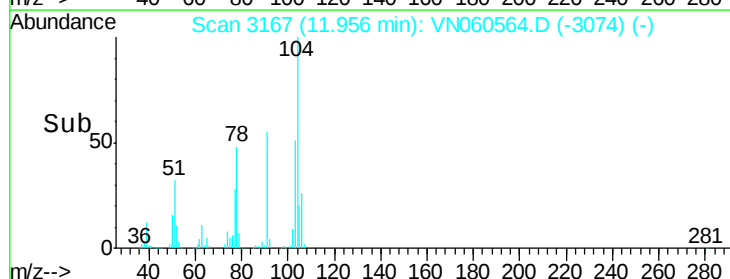
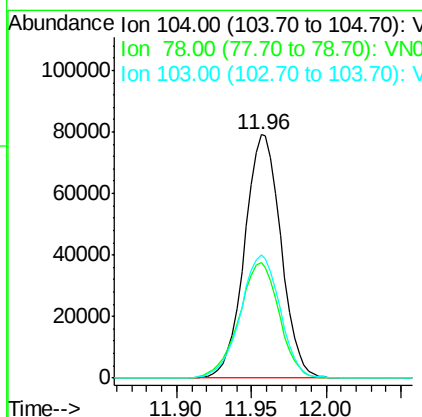
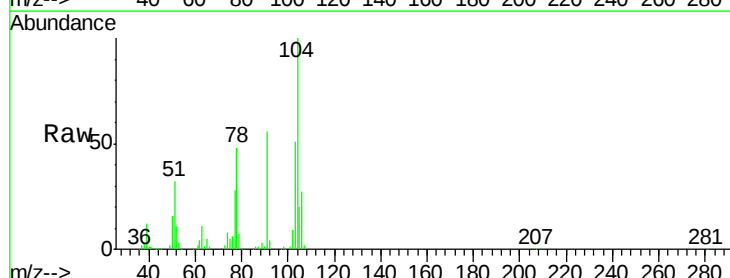
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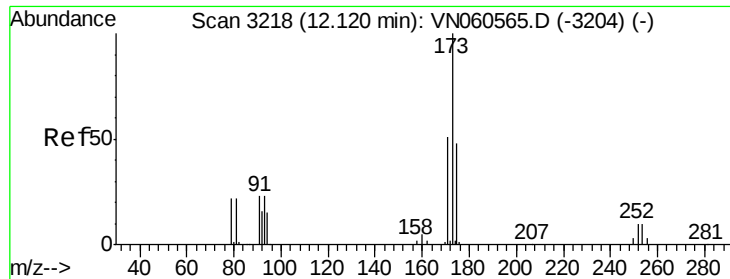
MMDadoda
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#70
Styrene
Concen: 19.025 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion:104 Resp: 134281
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.0 44.0 66.0





#71

Bromoform

Concen: 19.928 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 34705

Ion Ratio Lower Upper

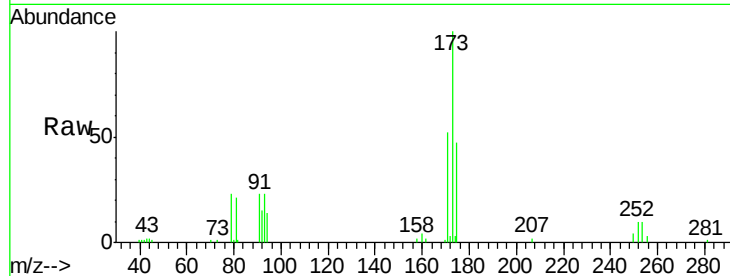
173 100

175 47.8 24.1 72.4

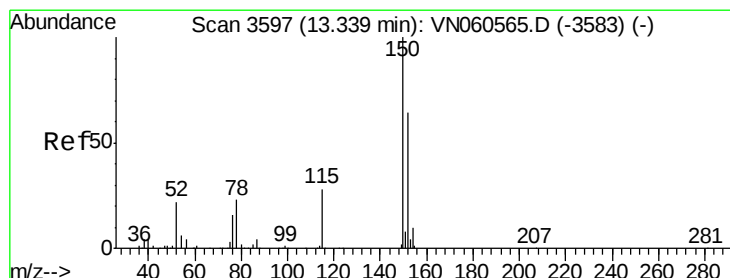
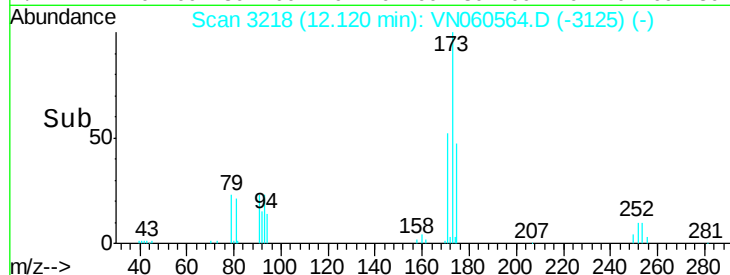
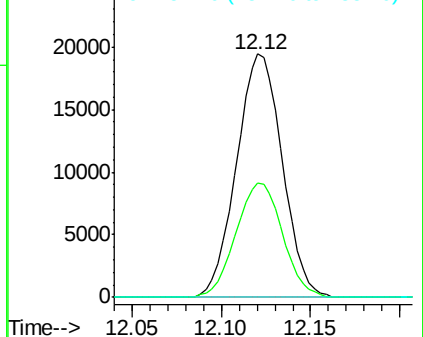
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

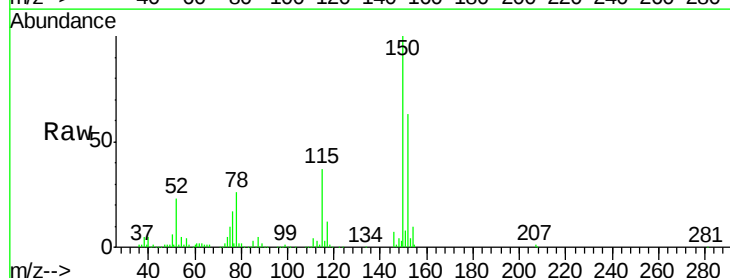
Tgt Ion:152 Resp: 148687

Ion Ratio Lower Upper

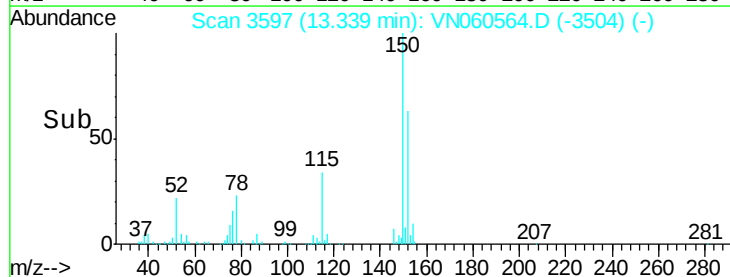
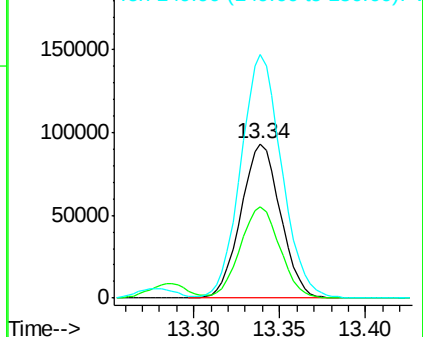
152 100

115 59.4 30.2 90.6

150 163.4 0.0 350.2



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





#73

Isopropylbenzene

Concen: 20.249 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 225172

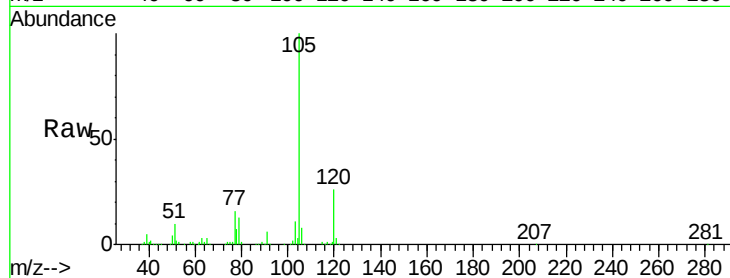
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

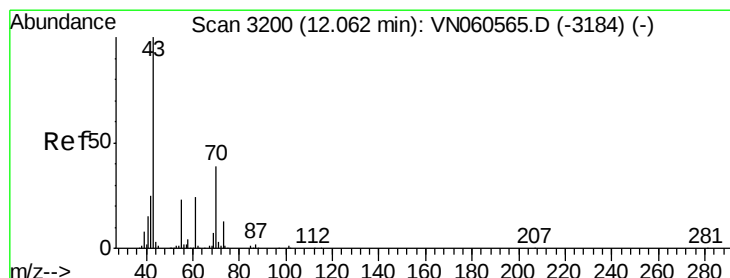
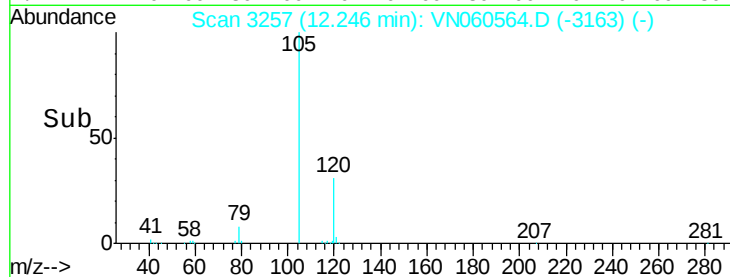
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.430 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion: 43 Resp: 100400

Ion Ratio Lower Upper

43 100

70 39.6 31.1 46.7

55 23.8 18.6 27.8

61 23.5 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

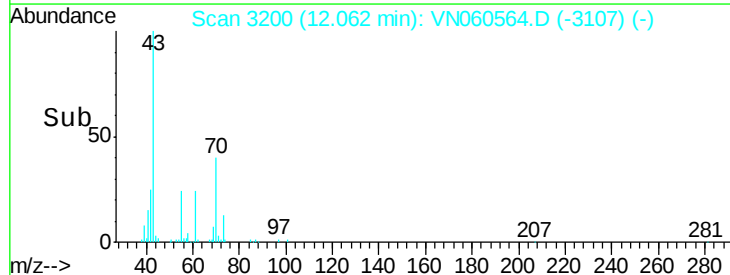
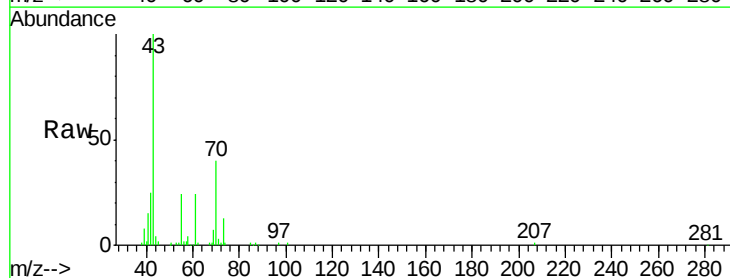
40000

20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.348 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

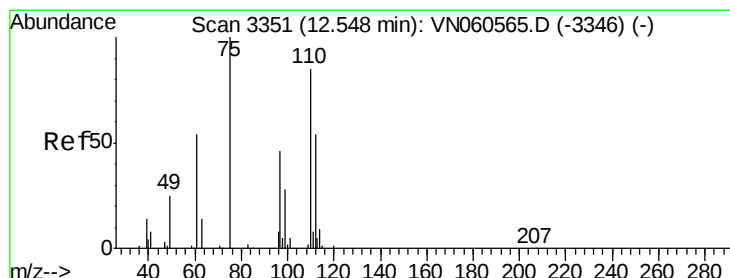
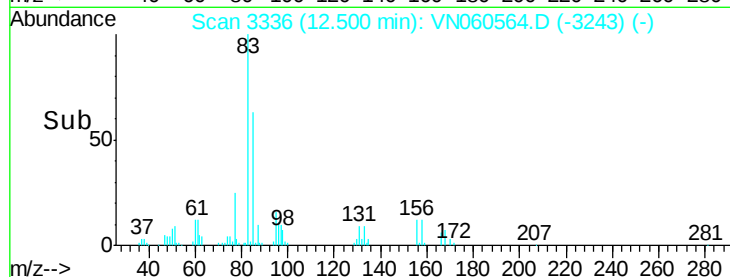
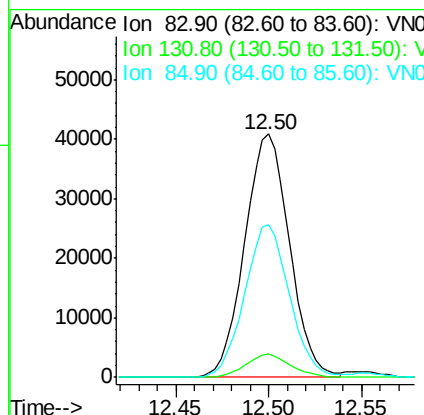
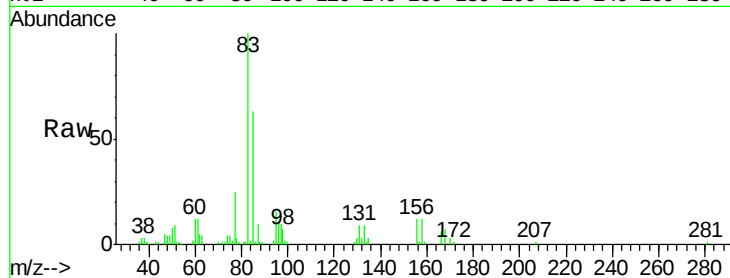
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	68564
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	62.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.421 ug/l m

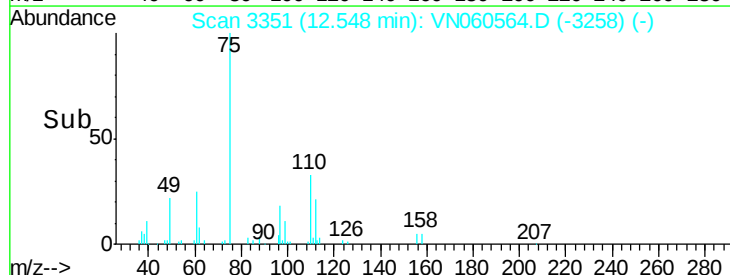
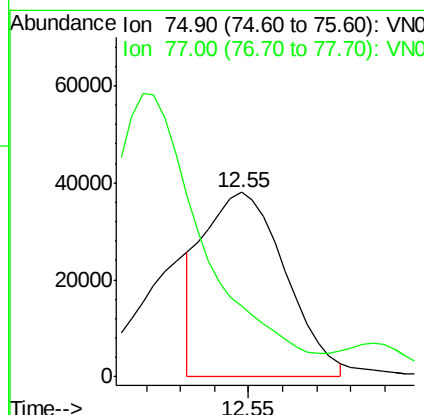
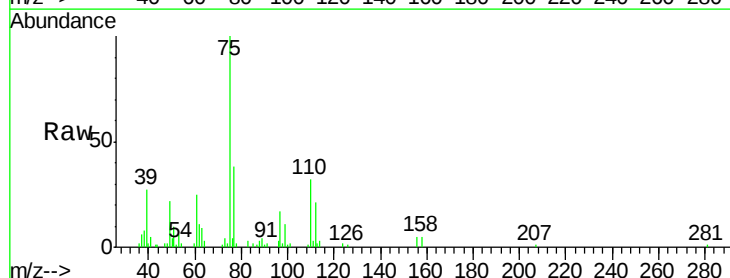
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion:	75	Resp:	63122
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





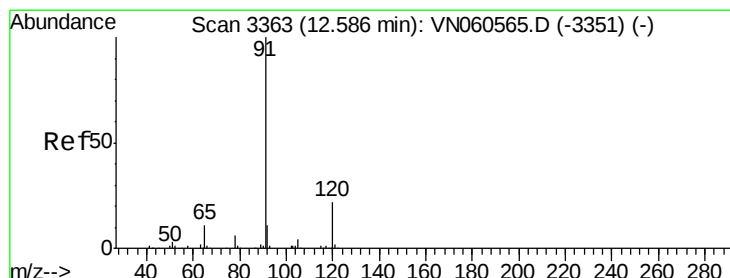
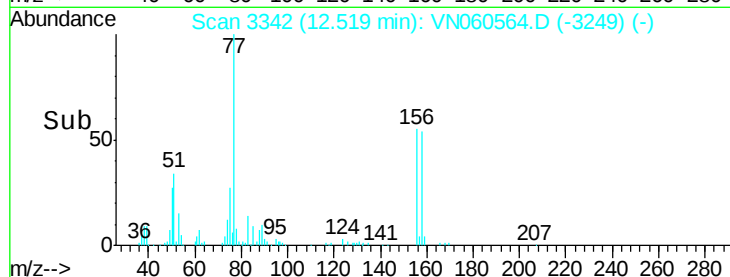
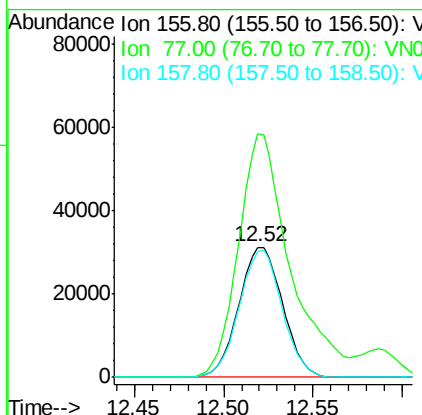
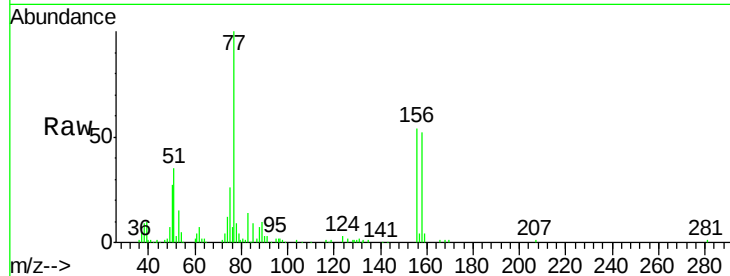
#77
Bromobenzene
Concen: 19.728 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.5	112.3	337.0
158	96.0	48.6	145.8

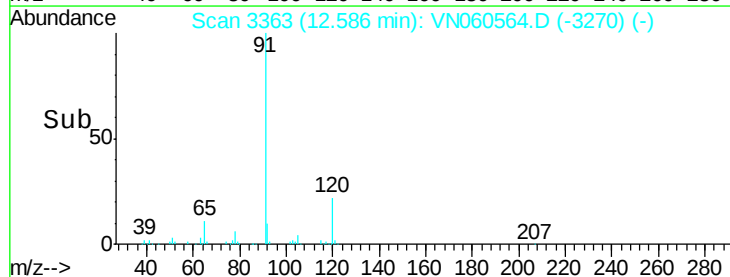
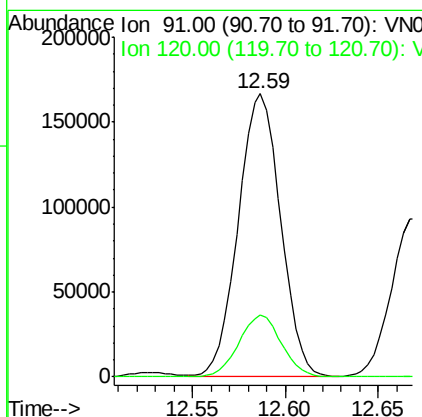
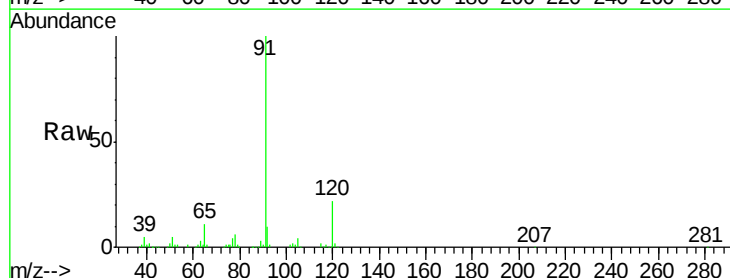
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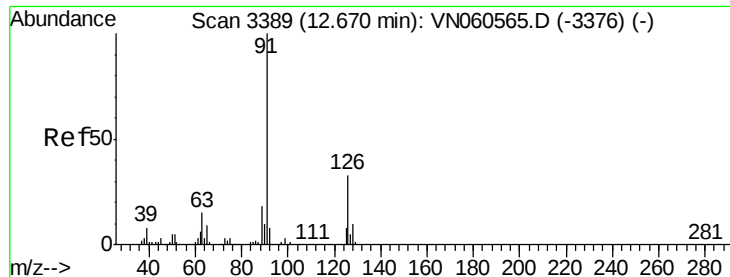
MMDadoda
3/18/2020 7:00:38 PM



#78
n-propylbenzene
Concen: 20.175 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 20.030 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 154141

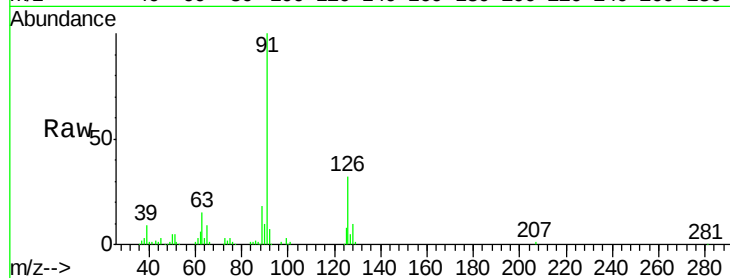
Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

150000

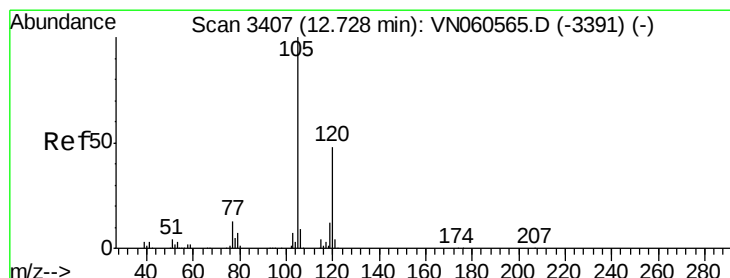
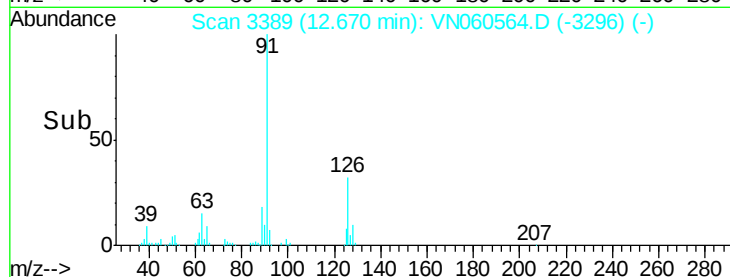
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.163 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060564.D

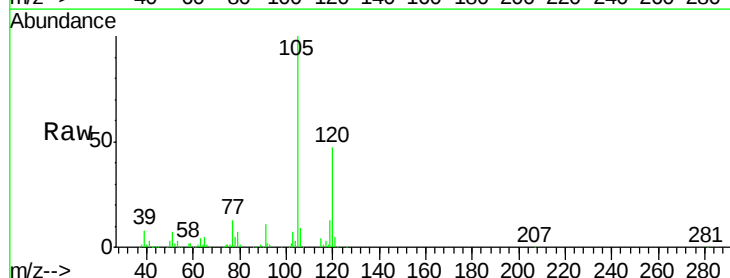
Acq: 17 Mar 2020 18:50

Tgt Ion: 105 Resp: 188846

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

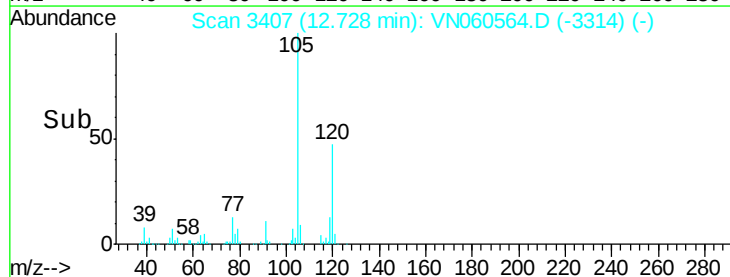
100000

50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.158 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

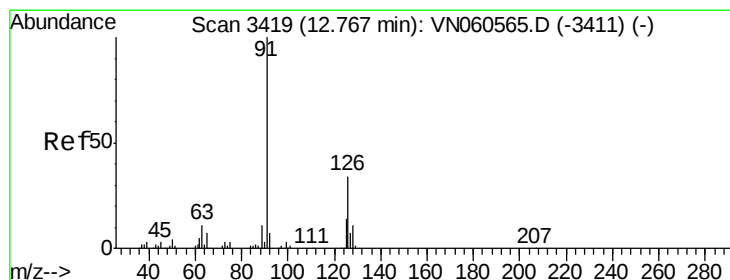
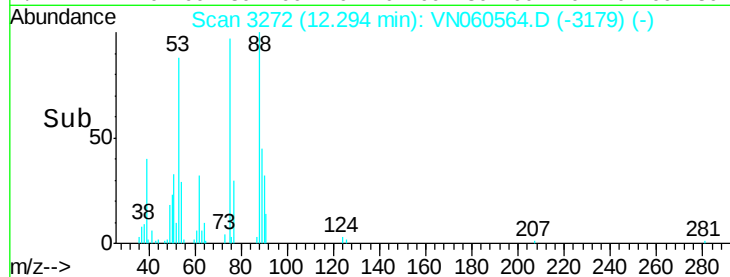
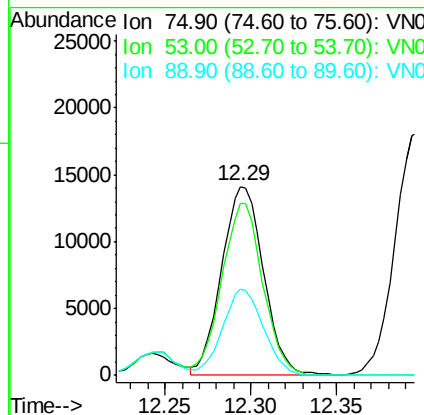
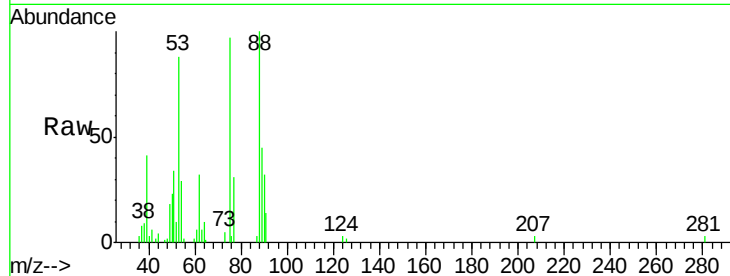
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	24100
Ion	Ratio	Lower	Upper
75	100		
53	88.8	73.0	109.4
89	44.6	34.8	52.2

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#82

4-Chlorotoluene

Concen: 19.564 ug/l

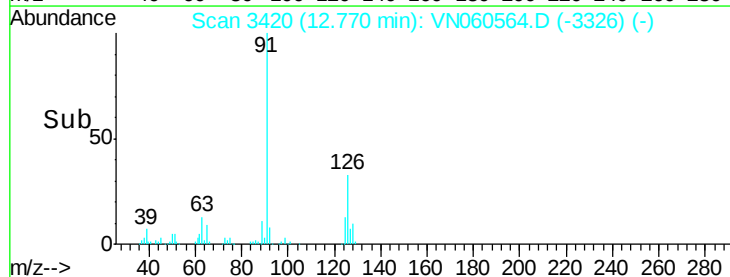
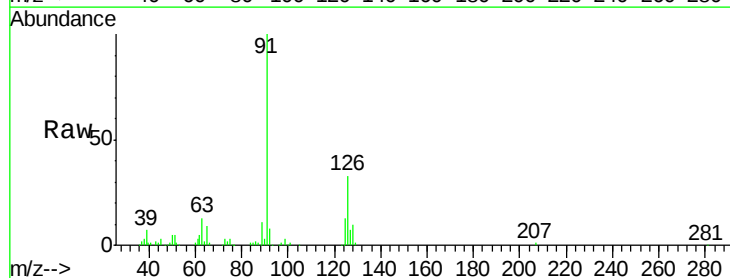
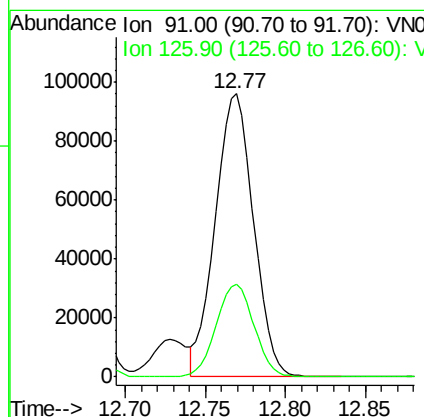
RT: 12.77 min Scan# 3420

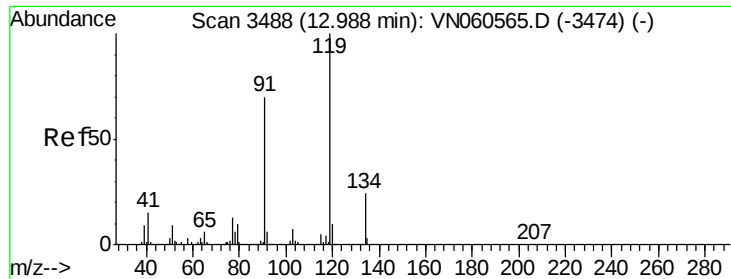
Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion:	91	Resp:	158350
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.5





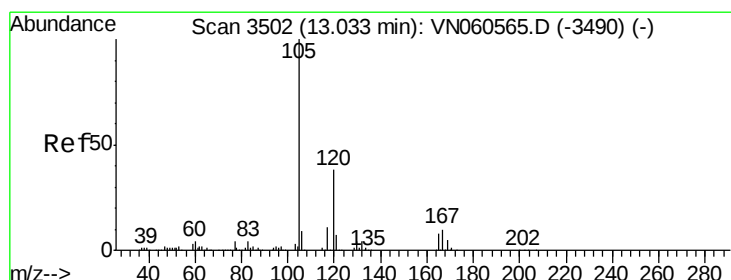
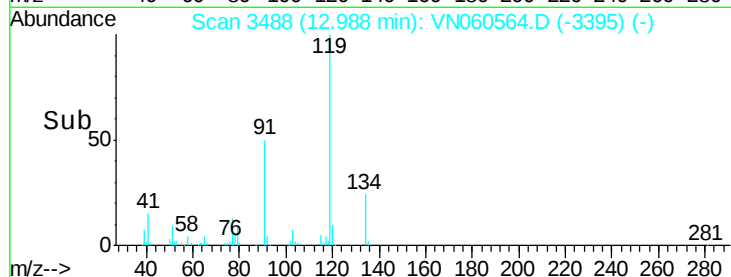
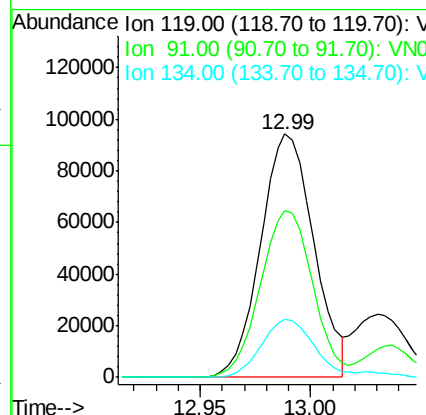
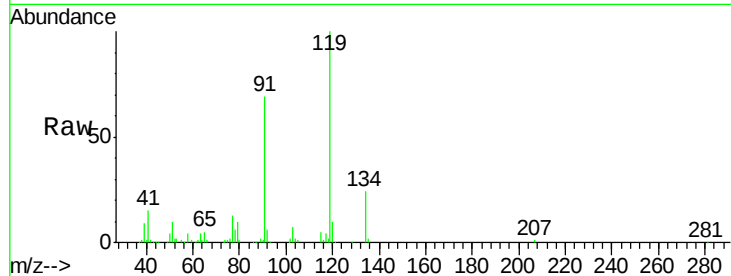
#83
 tert-Butylbenzene
 Concen: 19.525 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	23.6	12.7	38.0

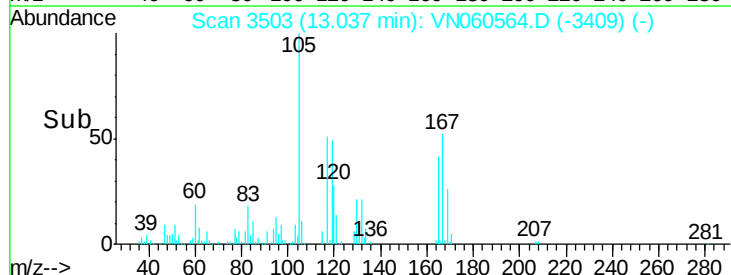
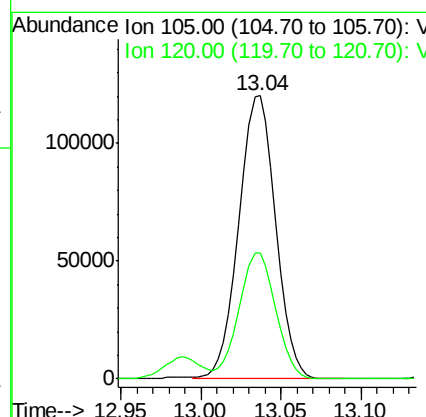
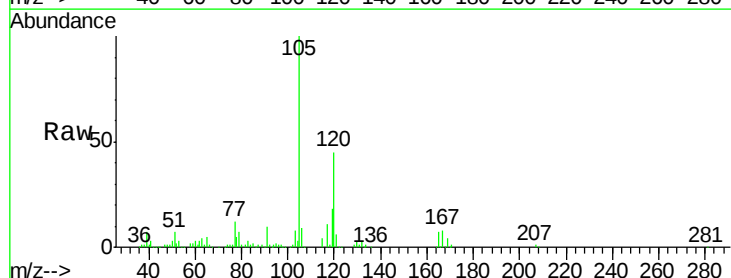
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.970 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.464 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 210356

Ion Ratio Lower Upper

105 100

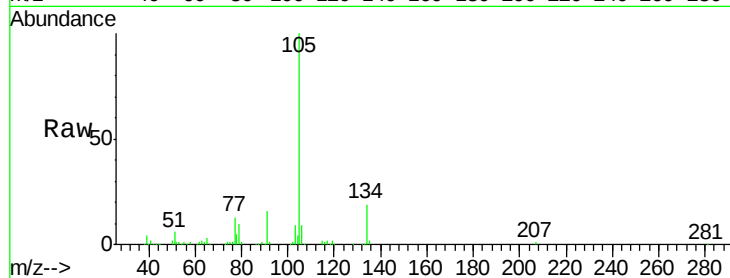
134 19.4 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

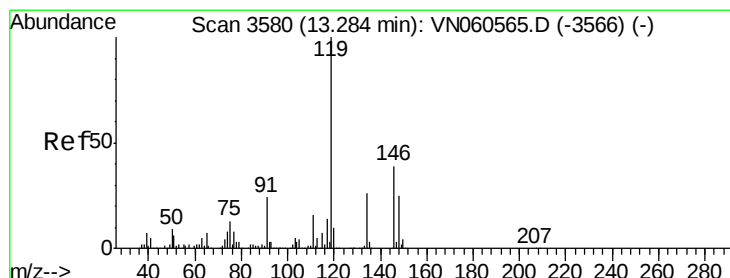
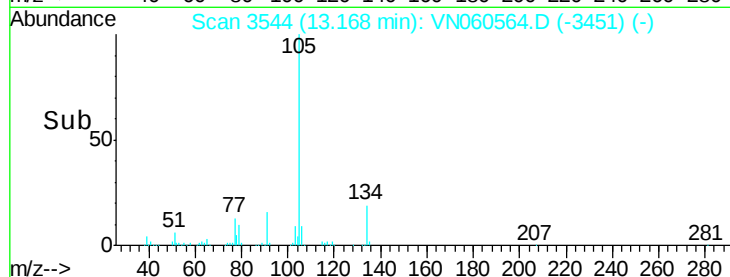
150000

100000

50000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 18.817 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

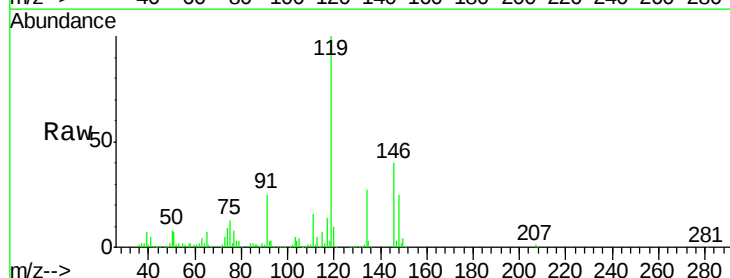
Tgt Ion:119 Resp: 187821

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 24.5 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

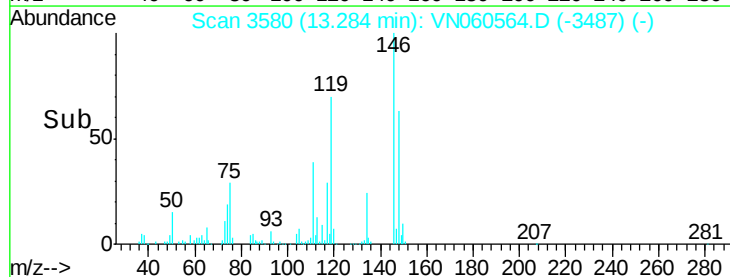
150000

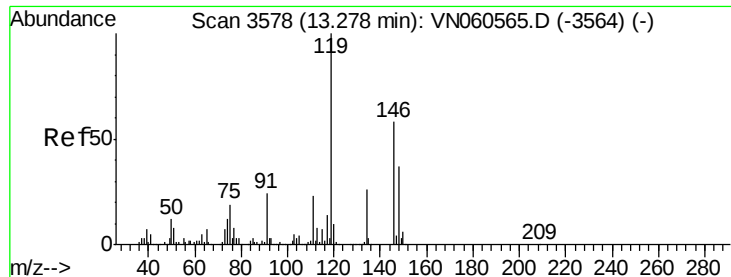
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 18.556 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060564.D

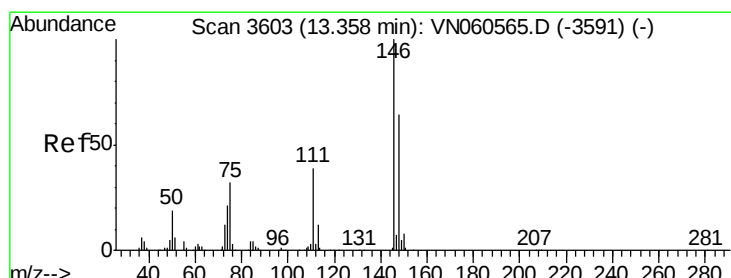
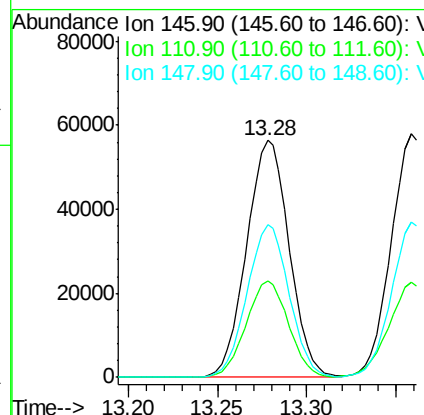
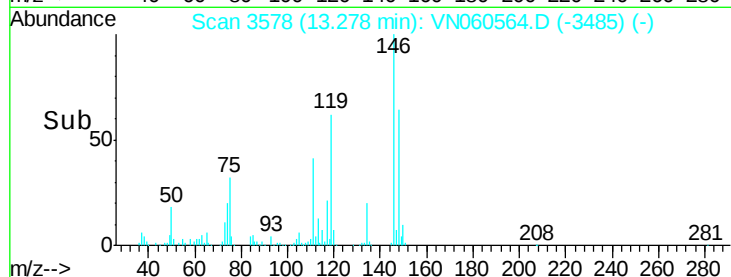
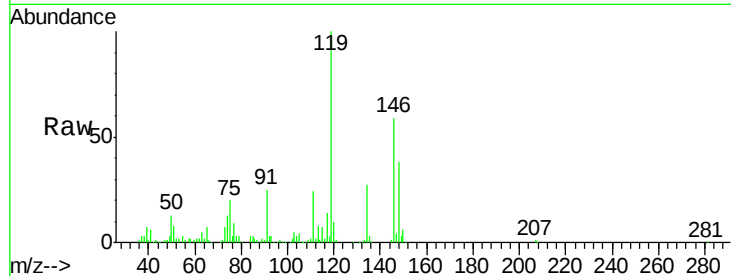
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.5	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.537 ug/l

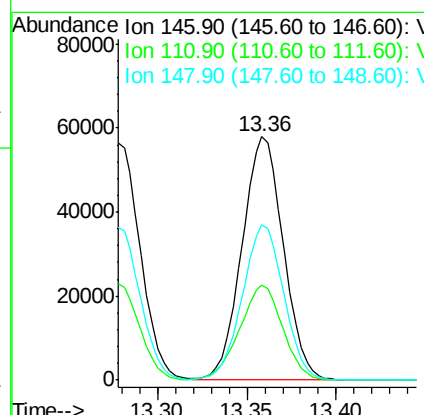
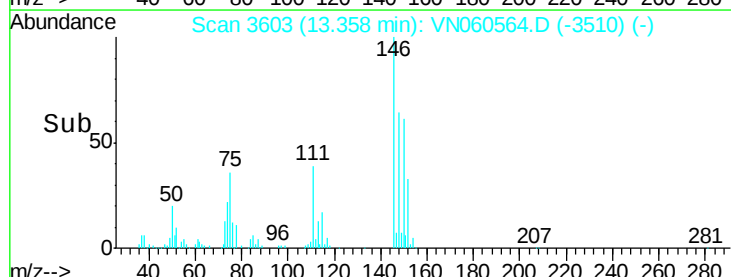
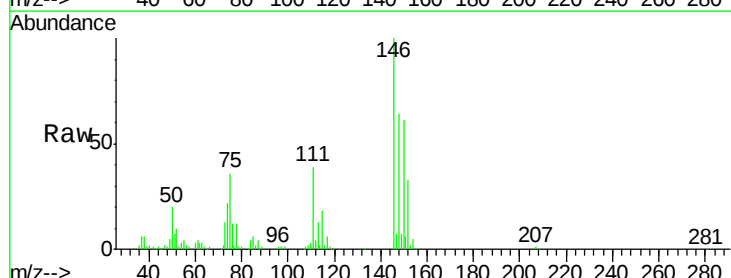
RT: 13.36 min Scan# 3603

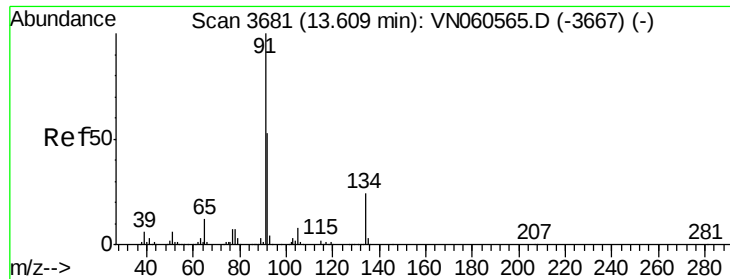
Delta R.T. -0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.7
148	64.1	32.1	96.3





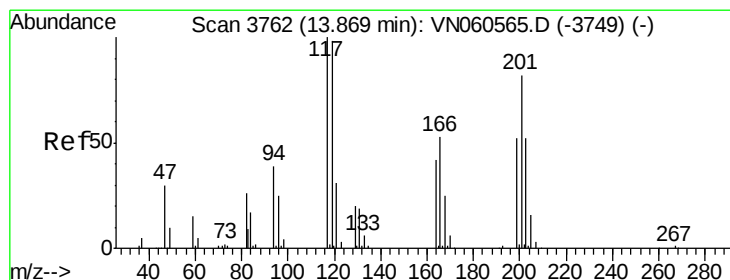
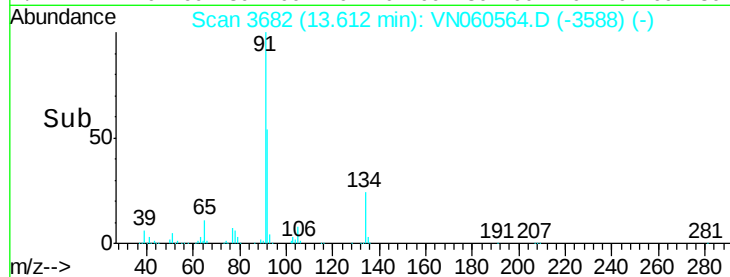
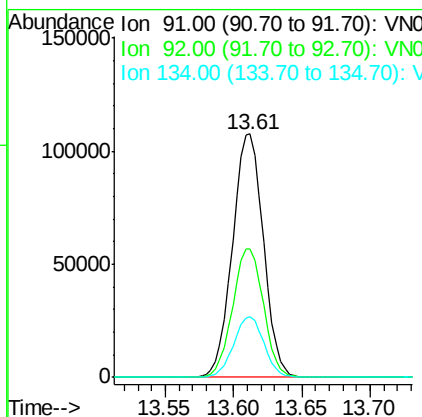
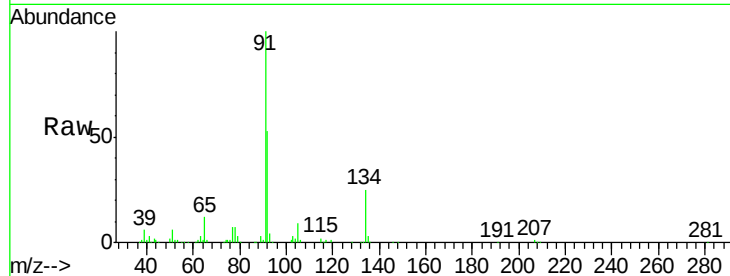
#89
n-Butylbenzene
Concen: 18.466 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		169106		
92	52.7	26.2	78.5		
134	24.6	12.3	36.9		

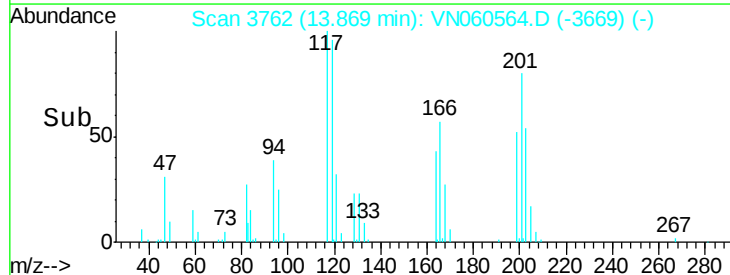
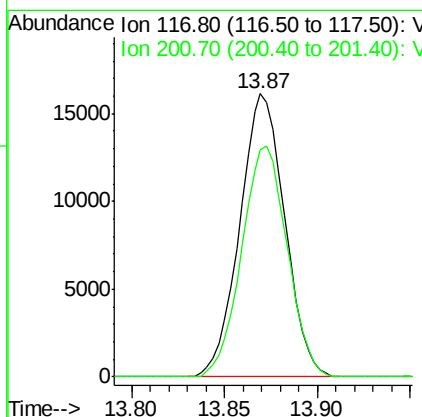
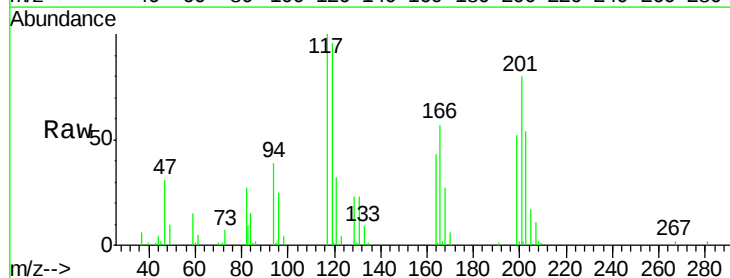
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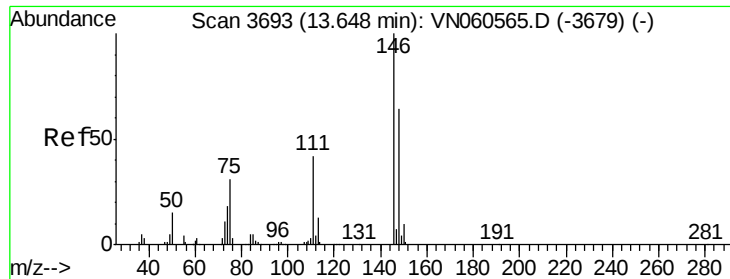
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#90
Hexachloroethane
Concen: 18.790 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		27106		
201	82.4	40.8	122.5		





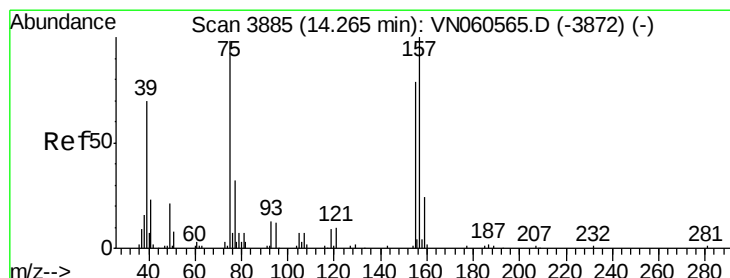
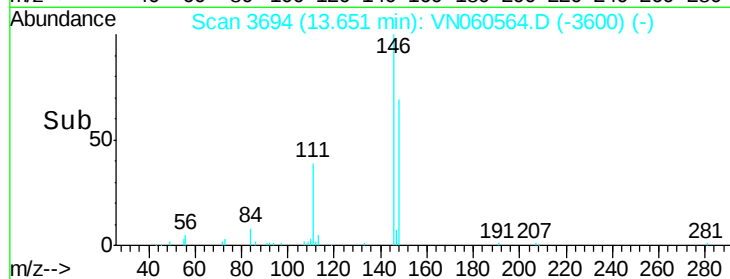
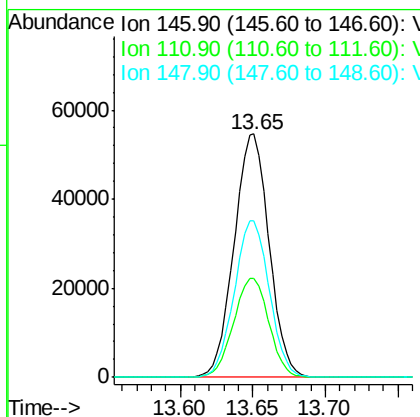
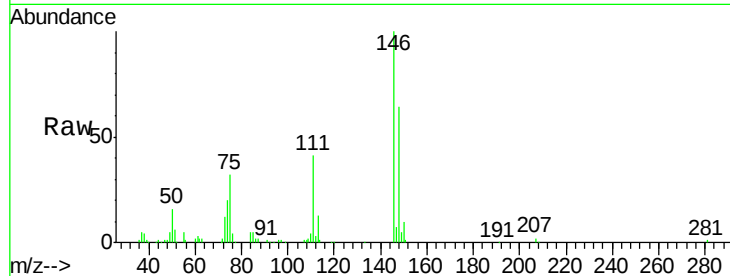
#91
 1,2-Dichlorobenzene
 Concen: 19.305 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	64.5	31.9	95.5

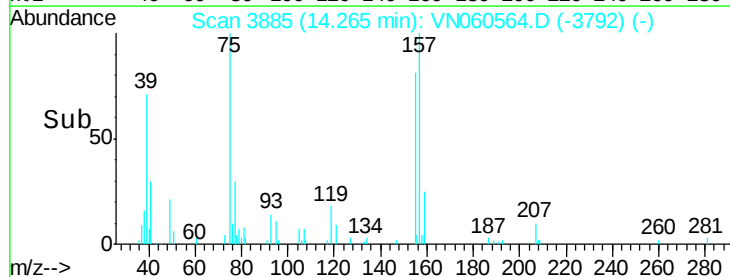
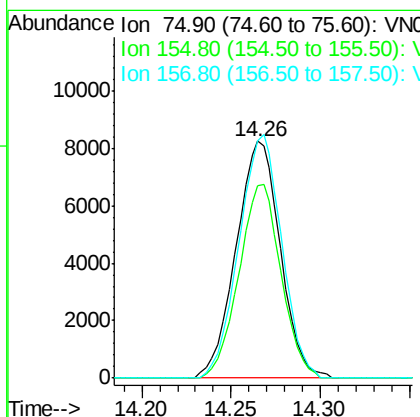
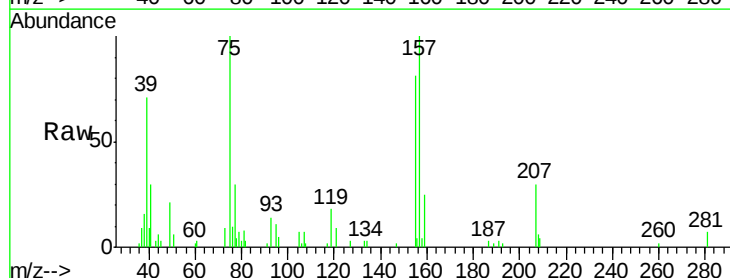
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.801 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060564.D
 Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	40.7	122.1
157	99.4	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 16.840 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060564.D

Acq: 17 Mar 2020 18:50

Instrument :

MSVOA_N

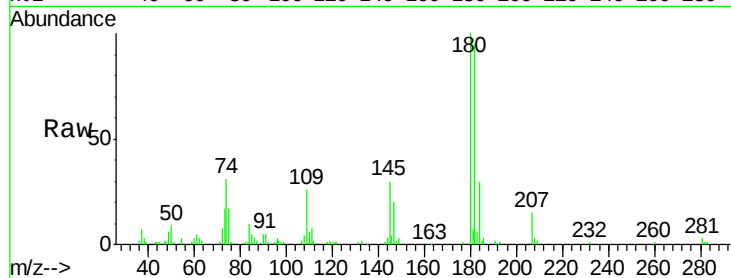
ClientSampleId :

VSTDIC020

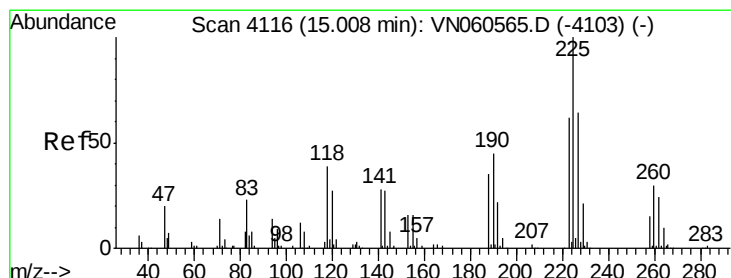
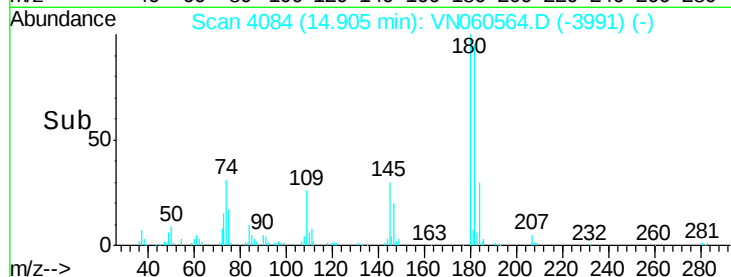
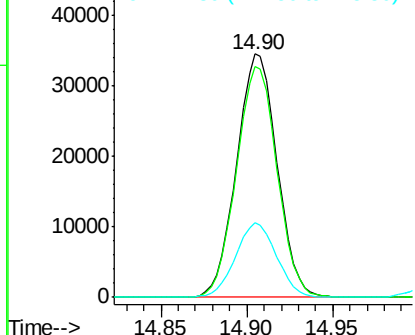
Tot Ion:	180	Resp:	56332
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.8
145	30.8	15.4	46.2

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.471 ug/l

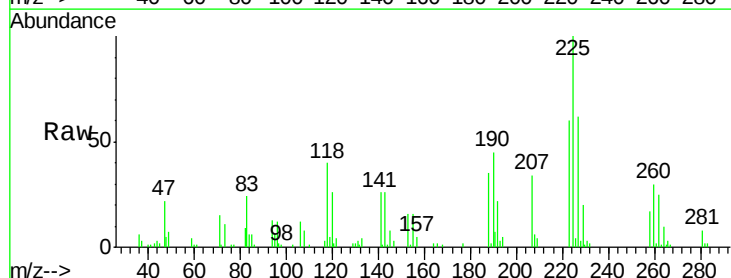
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

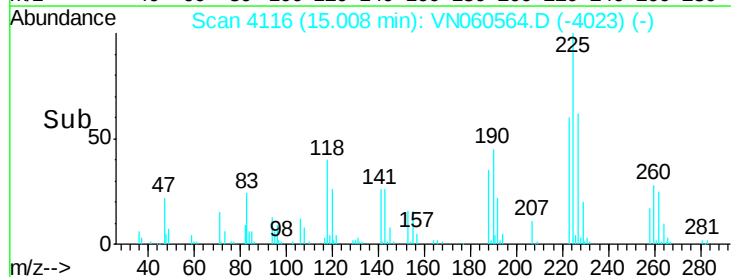
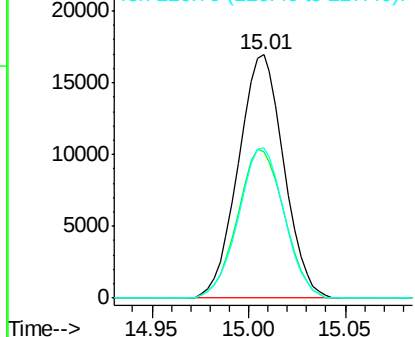
Lab File: VN060564.D

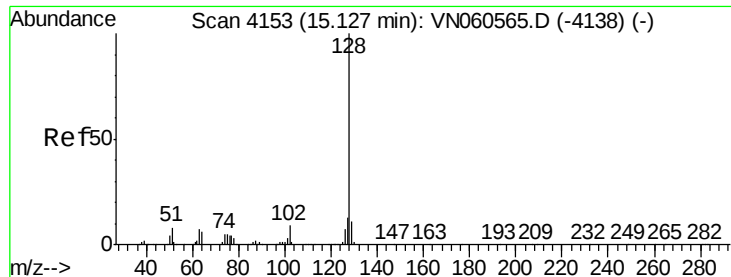
Acq: 17 Mar 2020 18:50

Tgt Ion:	225	Resp:	27745
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.6	95.0
227	62.1	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





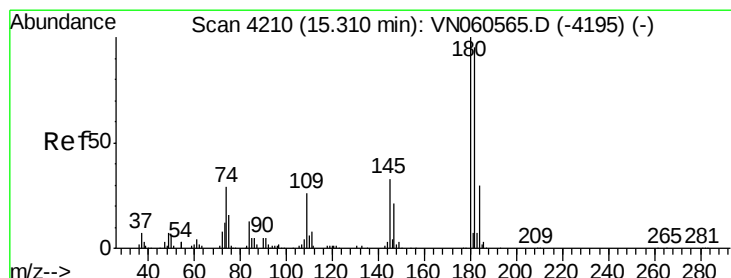
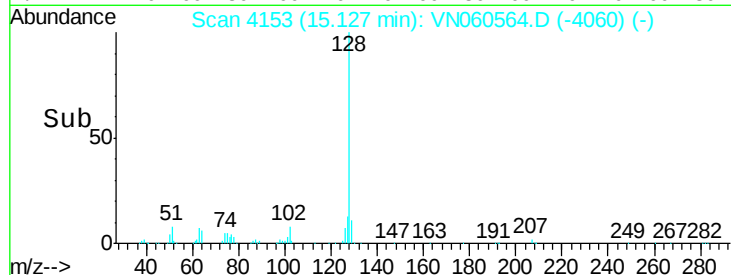
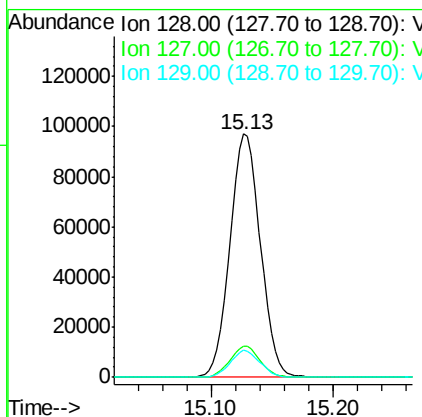
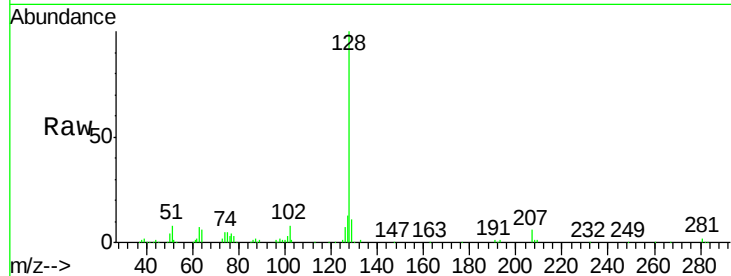
#95
Naphthalene
Concen: 17.499 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.454 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060564.D
Acq: 17 Mar 2020 18:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	32.0	16.3	48.8

