

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060404.D
 Acq On : 9 Mar 2020 15:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:45:49 AM

Quant Time: Mar 09 18:21:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	331672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125357	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.56	113	93735	60.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.78%	
50) Toluene-d8	10.08	98	370792	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	144871	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	76204	40.88	ug/l 100
3) Chloromethane	2.04	50	136503	42.06	ug/l 99
4) Vinyl Chloride	2.16	62	110470	39.69	ug/l 99
5) Bromomethane	2.54	94	41698	36.58	ug/l 97
6) Chloroethane	2.68	64	63844	42.34	ug/l 94
7) Trichlorofluoromethane	3.00	101	153495	43.17	ug/l 99
8) Diethyl Ether	3.38	74	59795	44.54	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90056	44.75	ug/l 100
10) Methyl Iodide	3.92	142	73131	39.82	ug/l 99
11) Tert butyl alcohol	4.73	59	76005	196.24	ug/l 99
12) 1,1-Dichloroethene	3.71	96	86924	44.50	ug/l 99
13) Acrolein	3.57	56	91828	254.15	ug/l 99
14) Allyl chloride	4.29	41	151504	42.07	ug/l 92
15) Acrylonitrile	4.94	53	240729	235.81	ug/l 99
16) Acetone	3.78	43	190333	225.97	ug/l 97
17) Carbon Disulfide	4.03	76	216439	41.64	ug/l 100
18) Methyl Acetate	4.28	43	123443	43.92	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	332450	46.88	ug/l 99
20) Methylene Chloride	4.52	84	101270	43.78	ug/l 97
21) trans-1,2-Dichloroethene	5.00	96	95302	45.38	ug/l 99
22) Diisopropyl ether	5.91	45	355520	48.74	ug/l 100
23) Vinyl Acetate	5.85	43	1399783	241.50	ug/l 99
24) 1,1-Dichloroethane	5.82	63	194389	47.08	ug/l 99
25) 2-Butanone	6.80	43	313082	230.12	ug/l 98
26) 2,2-Dichloropropane	6.79	77	165606	44.06	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	117669	43.87	ug/l 99
28) Bromochloromethane	7.17	49	80786	47.65	ug/l 97
29) Tetrahydrofuran	7.18	42	212949	225.09	ug/l 99
30) Chloroform	7.35	83	196327	47.76	ug/l 99
31) Cyclohexane	7.63	56	164407	46.57	ug/l 99
32) 1,1,1-Trichloroethane	7.54	97	171365	47.05	ug/l 99
36) 1,1-Dichloropropene	7.77	75	140638	44.49	ug/l 99
37) Ethyl Acetate	6.89	43	138698	46.34	ug/l 99
38) Carbon Tetrachloride	7.75	117	140313	45.59	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161925	43.45	ug/l	98
40) Benzene	8.02	78	428854	46.61	ug/l	100
41) Methacrylonitrile	7.15	41	73701m	53.33	ug/l	
42) 1,2-Dichloroethane	8.10	62	158503	47.74	ug/l	100
43) Isopropyl Acetate	8.14	43	247913	47.31	ug/l	100
44) Trichloroethene	8.82	130	115409	45.04	ug/l	99
45) 1,2-Dichloropropane	9.10	63	119360	49.62	ug/l	100
46) Dibromomethane	9.19	93	73213	46.91	ug/l	99
47) Bromodichloromethane	9.38	83	158594	49.96	ug/l	99
48) Methyl methacrylate	9.18	41	109570	45.86	ug/l	99
49) 1,4-Dioxane	9.18	88	27126	807.27	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	699720	235.52	ug/l	100
52) Toluene	10.14	92	269114	46.57	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	181256	46.60	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	189126	46.92	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108403	46.64	ug/l	99
56) Ethyl methacrylate	10.42	69	164770	49.35	ug/l	99
57) 1,3-Dichloropropane	10.70	76	183693	48.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	423201	242.34	ug/l	99
59) 2-Hexanone	10.74	43	501846	230.07	ug/l	99
60) Dibromochloromethane	10.89	129	117422	49.68	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106392	46.96	ug/l	99
64) Tetrachloroethene	10.62	164	115907	47.12	ug/l	99
65) Chlorobenzene	11.43	112	283199	44.97	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	109452	47.00	ug/l	99
67) Ethyl Benzene	11.50	91	531545	46.35	ug/l	100
68) m/p-Xylenes	11.61	106	395968	91.51	ug/l	100
69) o-Xylene	11.94	106	192871	46.74	ug/l	97
70) Styrene	11.96	104	319173	47.05	ug/l	100
71) Bromoform	12.12	173	81571	48.60	ug/l #	99
73) Isopropylbenzene	12.24	105	523126	45.60	ug/l	99
74) N-amyl acetate	12.06	43	225883	45.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148127	47.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135205m	39.81	ug/l	
77) Bromobenzene	12.52	156	126183	44.87	ug/l	100
78) n-propylbenzene	12.59	91	613685	45.63	ug/l	100
79) 2-Chlorotoluene	12.67	91	356895	45.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	442974	45.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54631	44.41	ug/l #	85
82) 4-Chlorotoluene	12.77	91	372965	44.78	ug/l	99
83) tert-Butylbenzene	12.99	119	371453	44.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	444719	45.61	ug/l	99
85) sec-Butylbenzene	13.17	105	503991	45.00	ug/l	100
86) p-Isopropyltoluene	13.28	119	455150	43.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	230871	47.77	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	228249	47.49	ug/l	99
89) n-Butylbenzene	13.61	91	418270	43.96	ug/l	99
90) Hexachloroethane	13.87	117	63250	42.16	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	220087	44.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30291	42.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140224	44.79	ug/l	100
94) Hexachlorobutadiene	15.01	225	65858	45.71	ug/l	98
95) Naphthalene	15.13	128	391954	42.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129049	43.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 203294

Ion Ratio Lower Upper

168 100

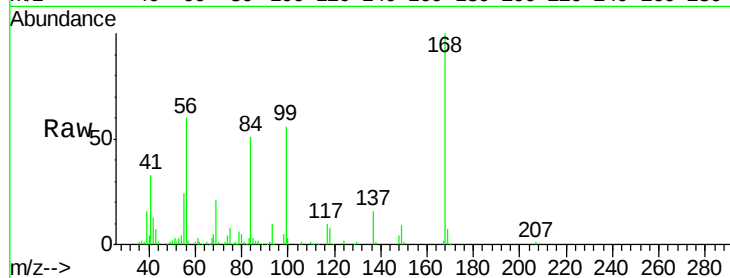
99 56.0 44.7 67.1

Manual Integrations

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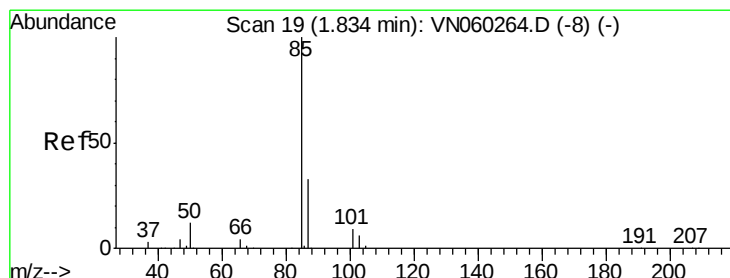
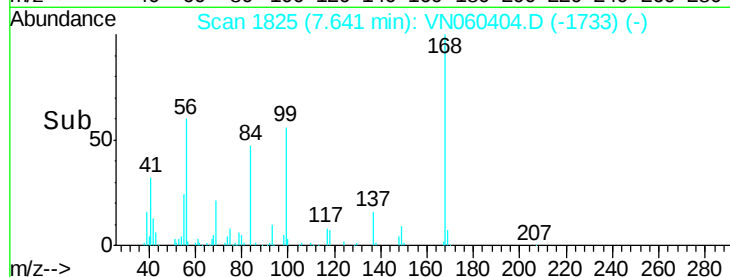
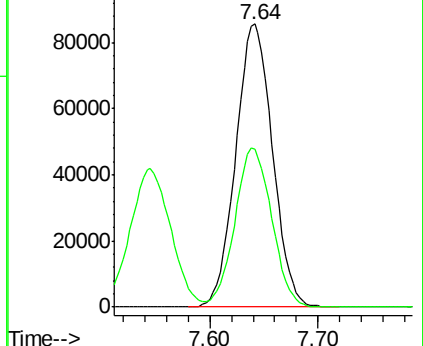
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 40.88 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060404.D

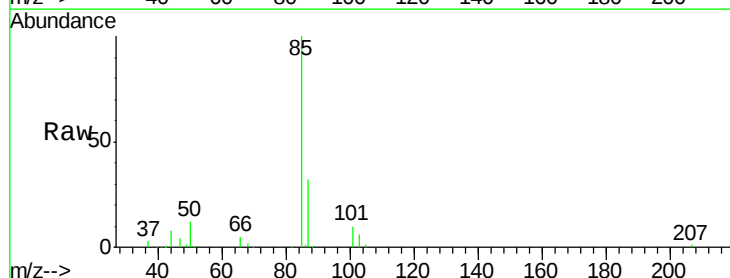
Acq: 9 Mar 2020 15:56

Tgt Ion: 85 Resp: 76204

Ion Ratio Lower Upper

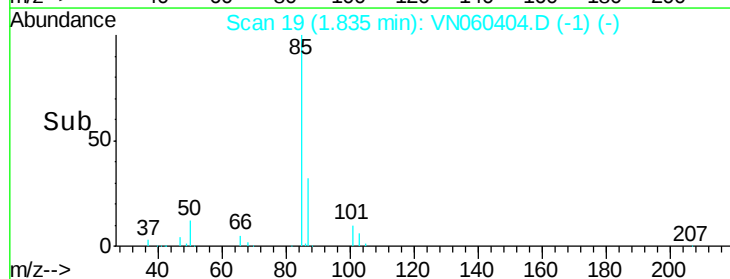
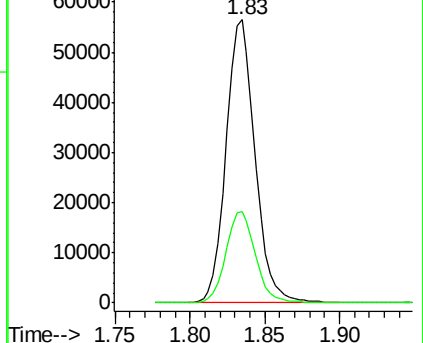
85 100

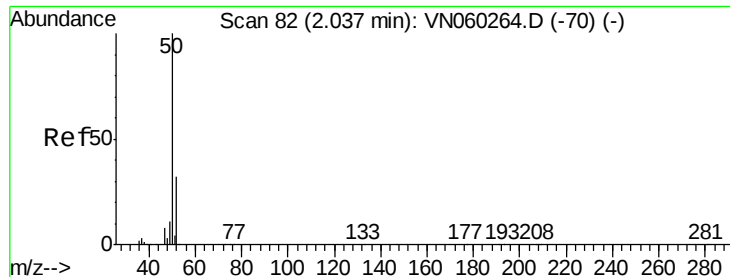
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 42.06 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 136503

Ion Ratio Lower Upper

50 100

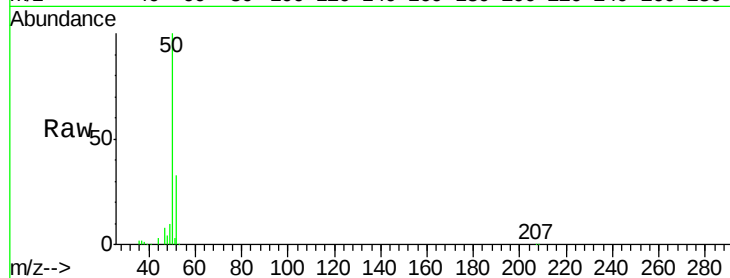
52 32.5 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

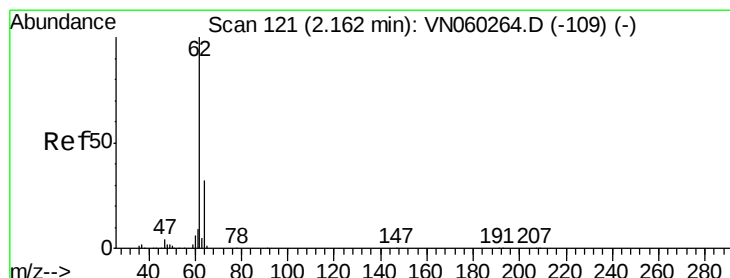
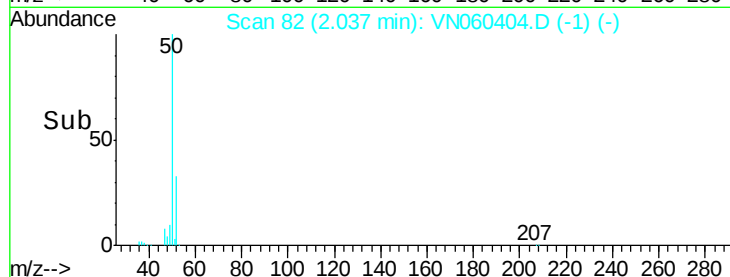
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 39.69 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060404.D

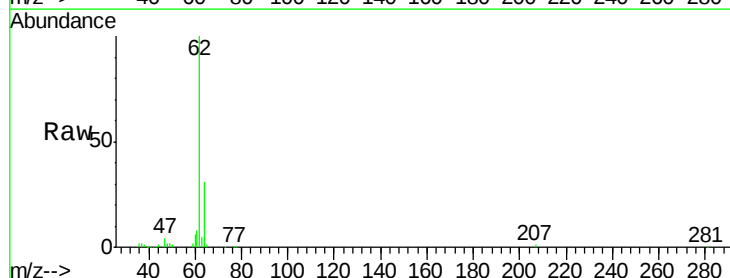
Acq: 9 Mar 2020 15:56

Tgt Ion: 62 Resp: 110470

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

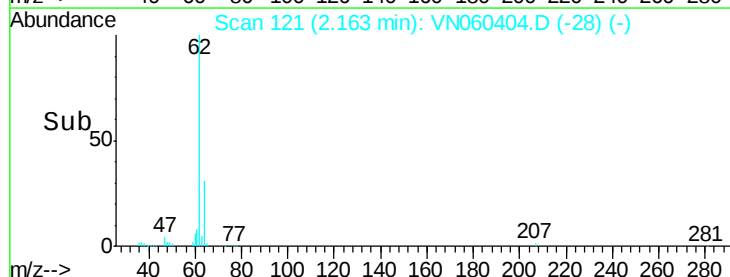
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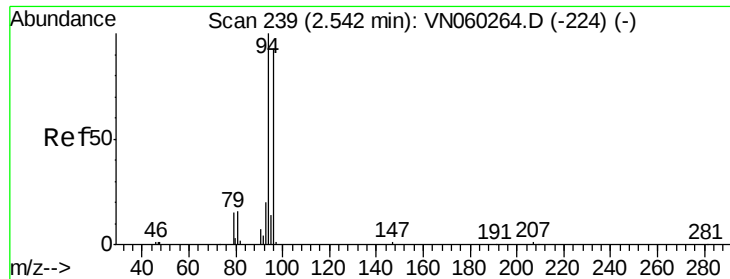
40000

20000

0

Time-->





#5

Bromomethane

Concen: 36.58 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

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Tgt Ion: 94 Resp: 41698

Ion Ratio Lower Upper

94 100

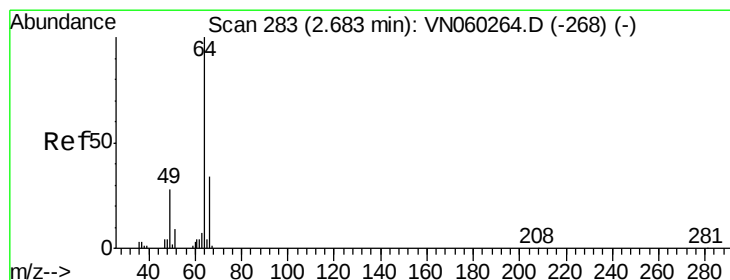
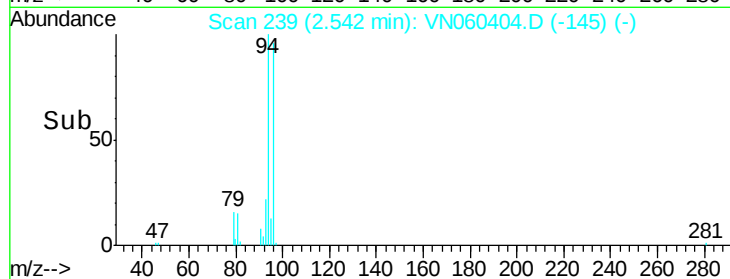
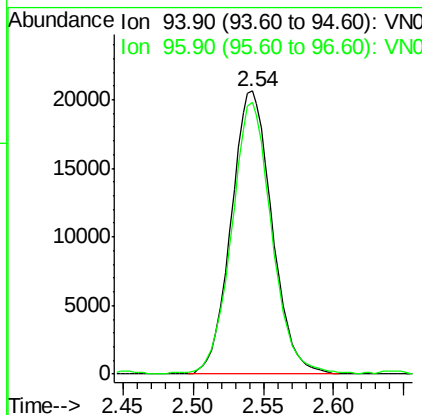
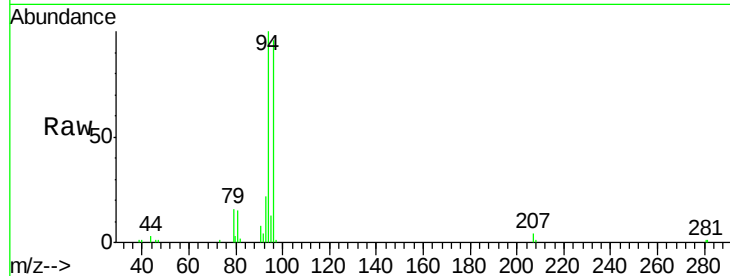
96 95.3 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 42.34 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060404.D

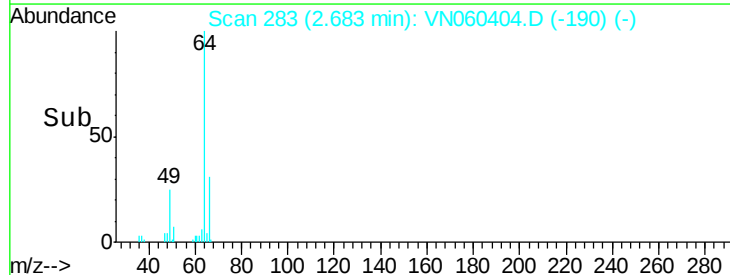
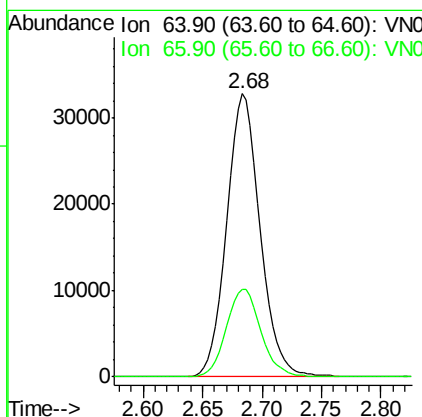
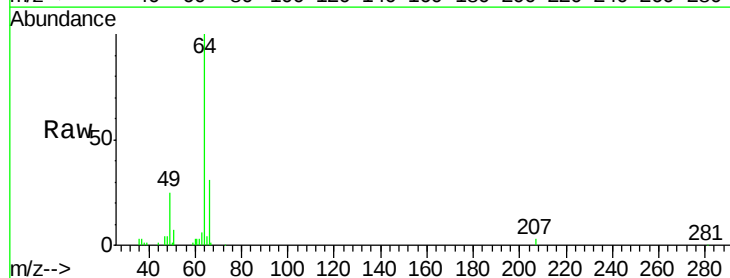
Acq: 9 Mar 2020 15:56

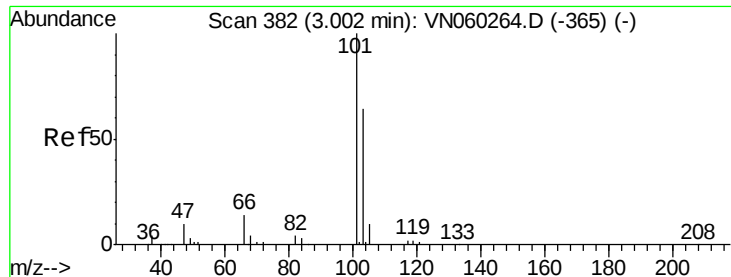
Tgt Ion: 64 Resp: 63844

Ion Ratio Lower Upper

64 100

66 31.0 27.4 41.2





#7

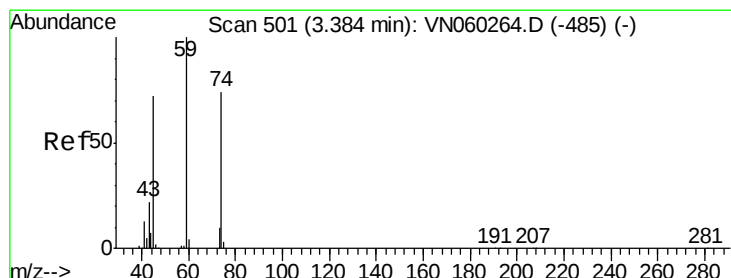
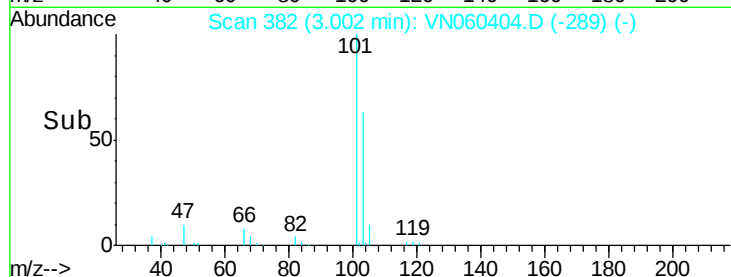
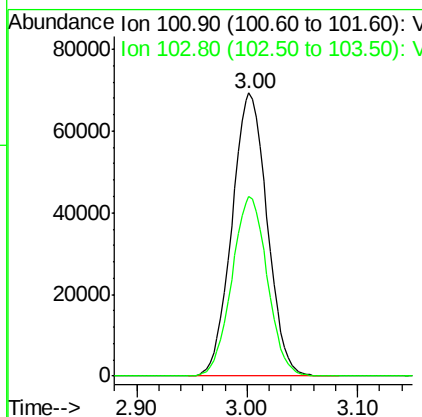
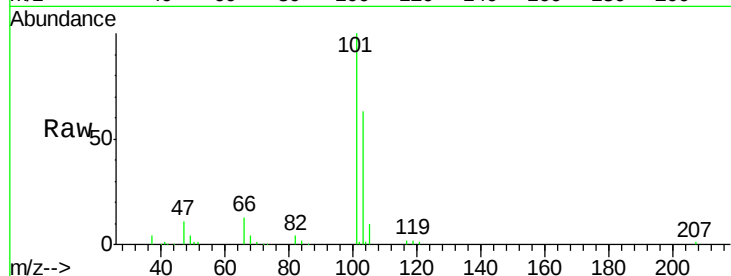
Trichlorofluoromethane
 Concen: 43.17 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060404.D
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 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.3	76.9

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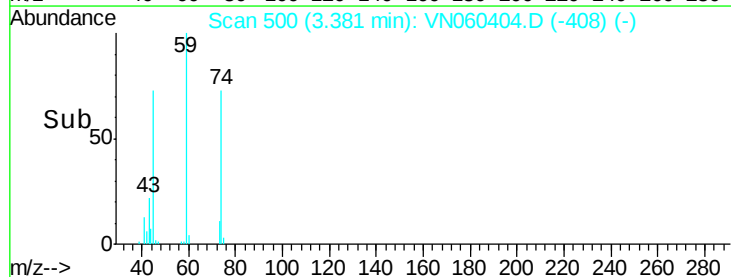
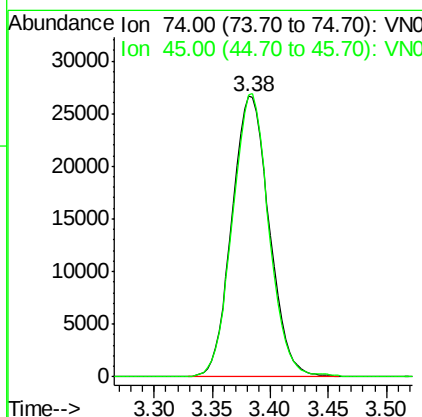
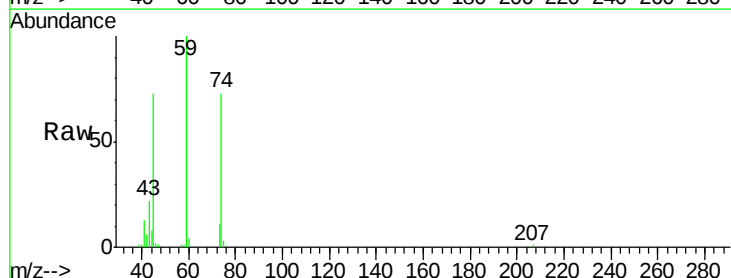
MMDadoda
 3/10/2020 10:45:49 AM



#8

Diethyl Ether
 Concen: 44.54 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060404.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.75 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

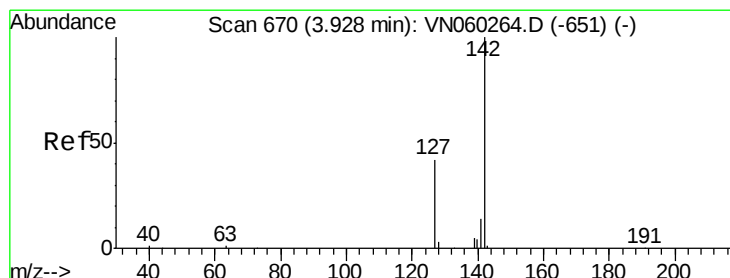
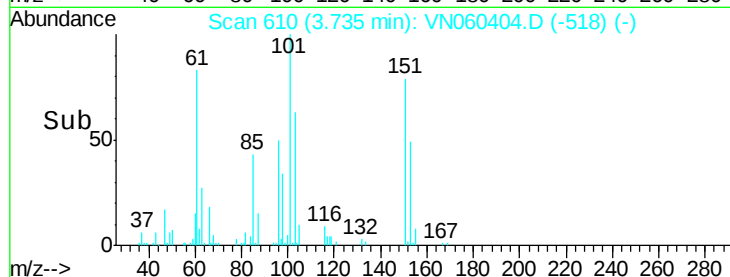
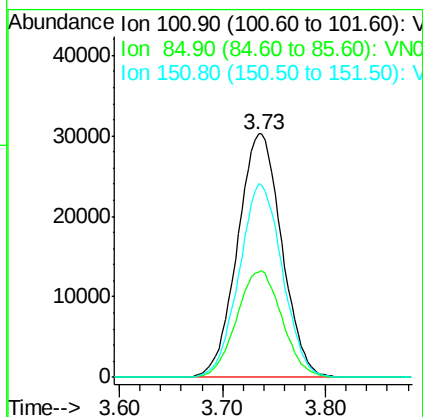
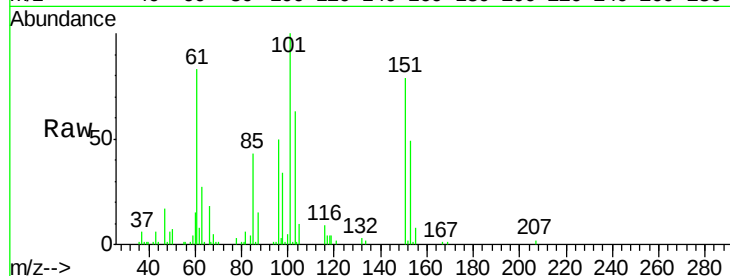
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	90056
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.4	53.2
151	77.6	62.0	93.0

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#10

Methyl Iodide

Concen: 39.82 ug/l

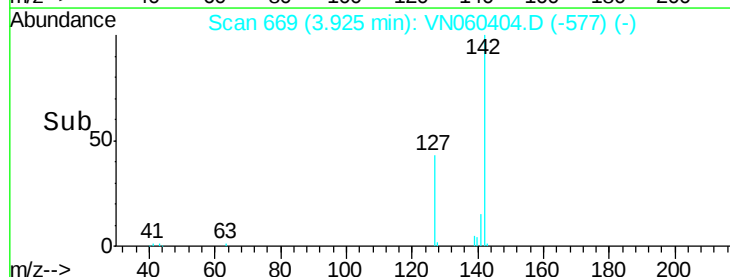
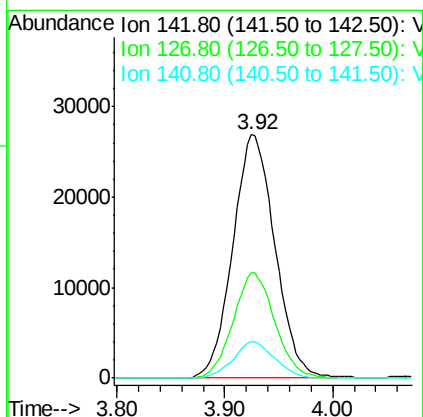
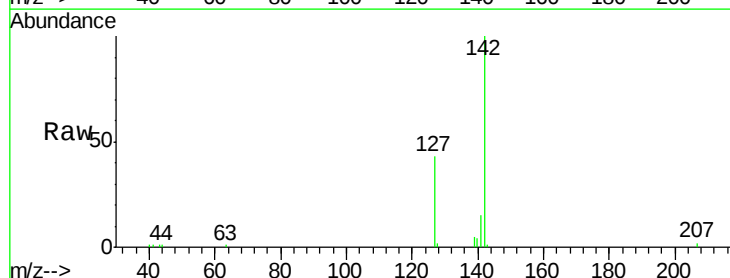
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion:	142	Resp:	73131
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.8	50.6
141	14.5	11.1	16.7





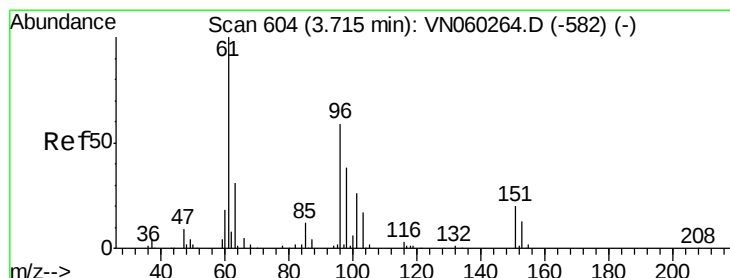
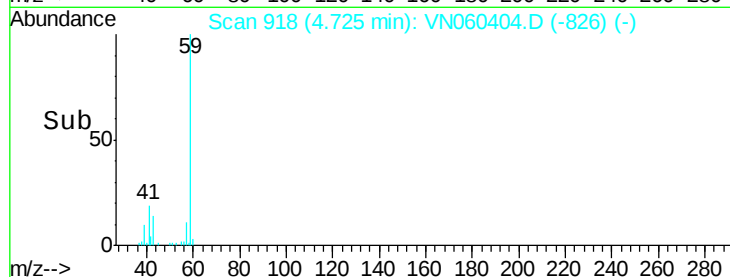
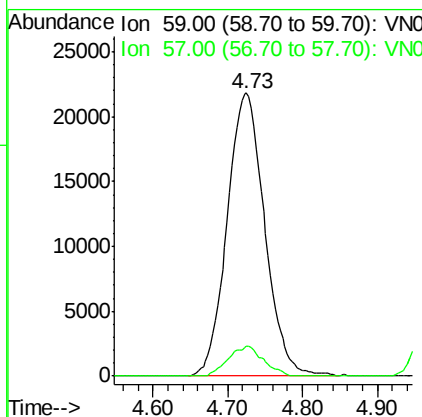
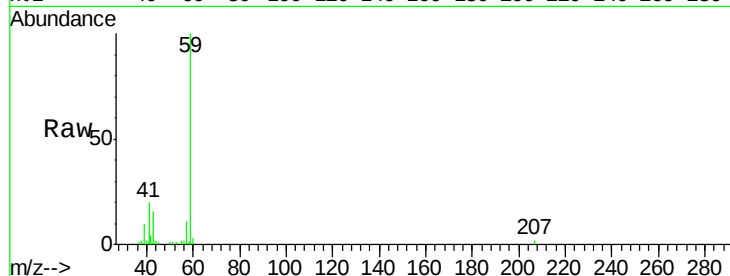
#11
Tert butyl alcohol
Concen: 196.24 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

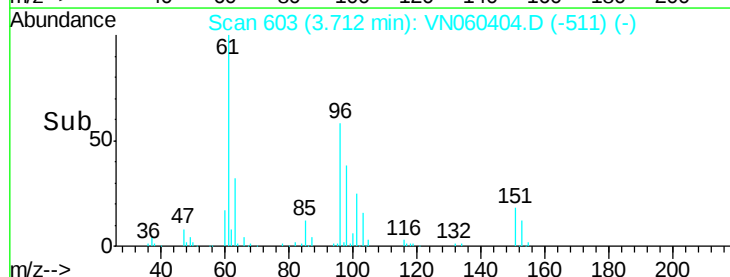
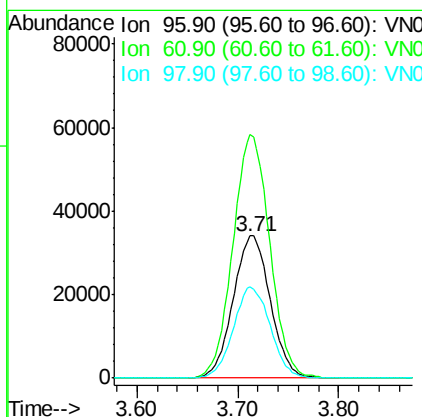
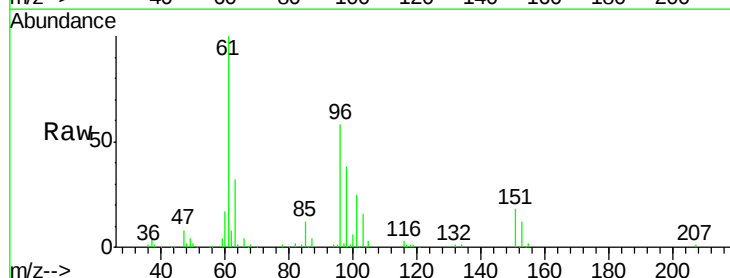
Manual Integrations
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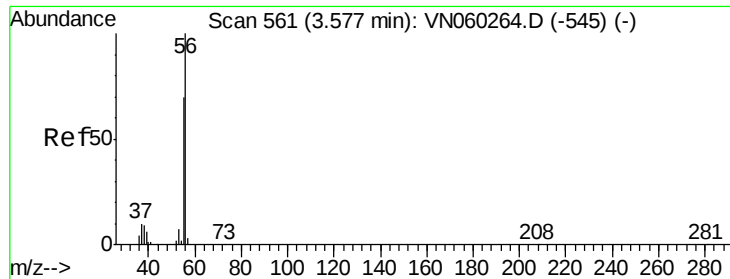
MMDadoda
3/10/2020 10:45:49 AM



#12
1,1-Dichloroethene
Concen: 44.50 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	135.4	203.0
98	64.5	51.6	77.4





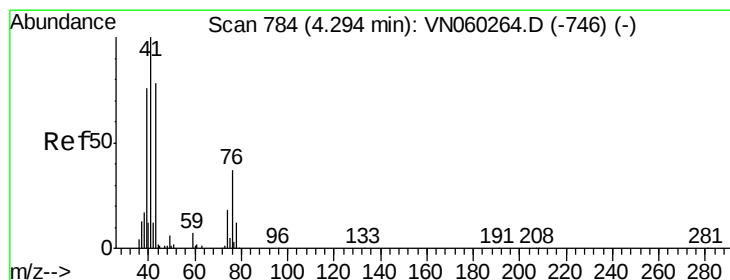
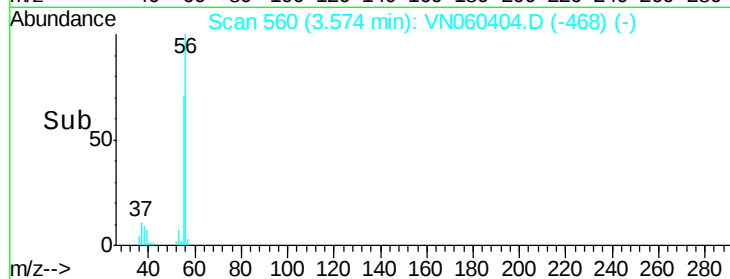
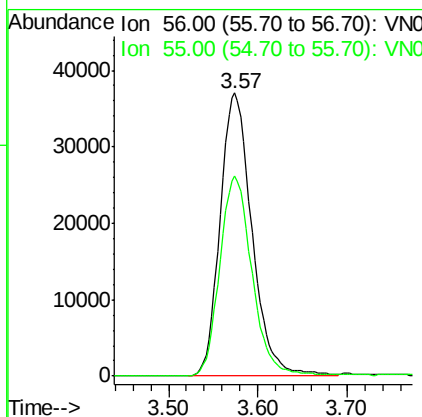
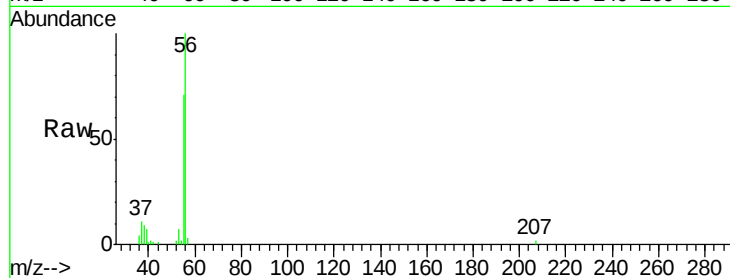
#13
Acrolein
Concen: 254.15 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.4	86.0

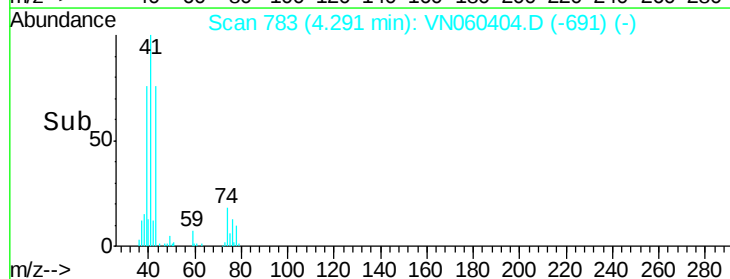
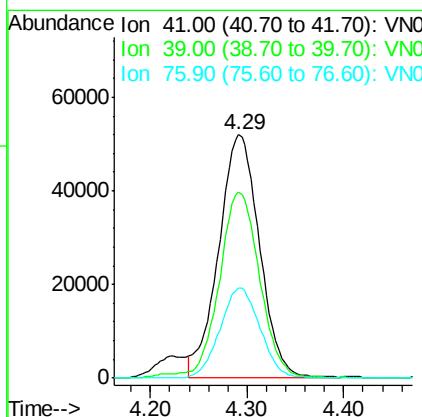
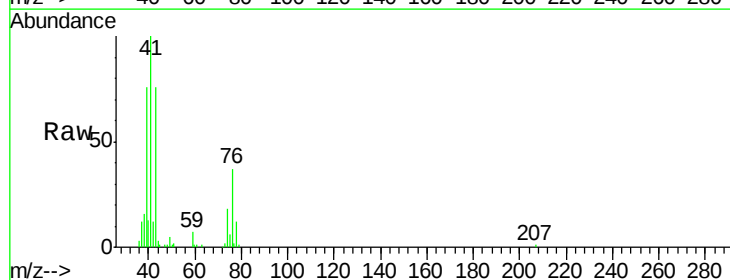
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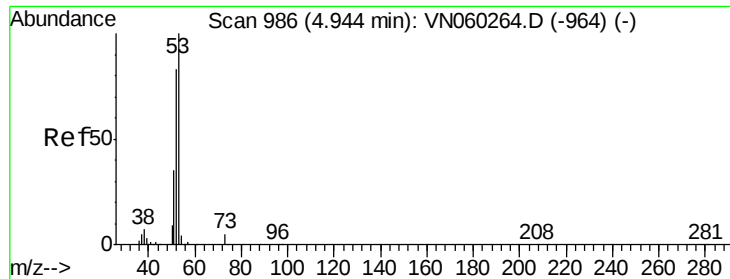
MMDadoda
3/10/2020 10:45:49 AM



#14
Allyl chloride
Concen: 42.07 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.8	55.4	83.2
76	36.6	27.0	40.6





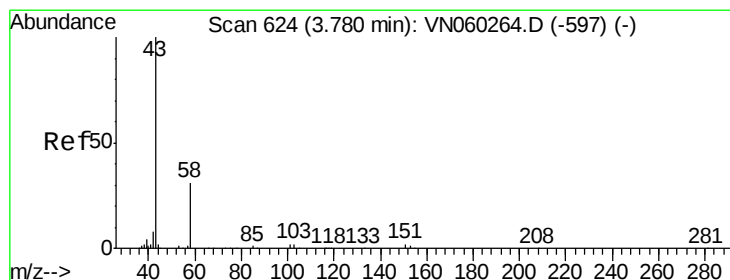
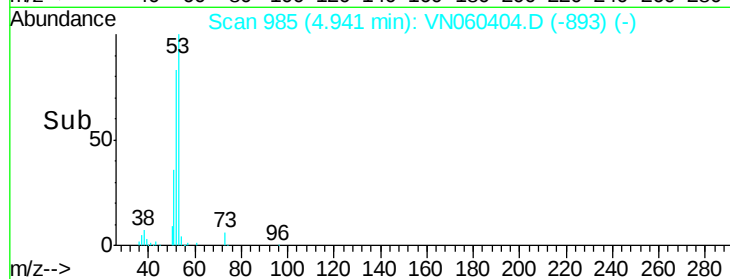
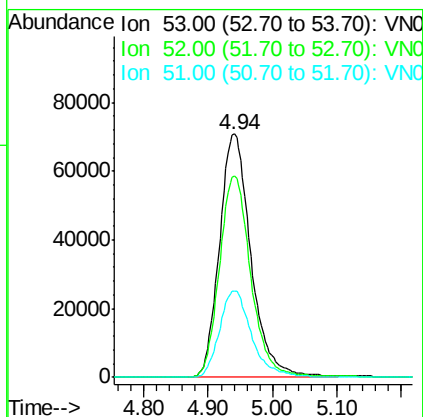
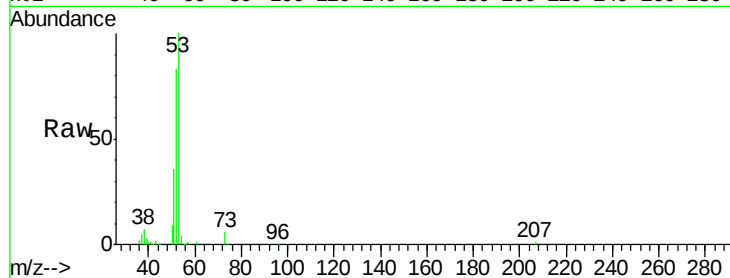
#15
 Acrylonitrile
 Concen: 235.81 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	36.3	29.0	43.6

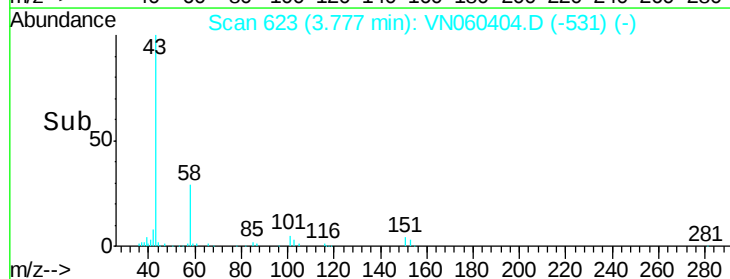
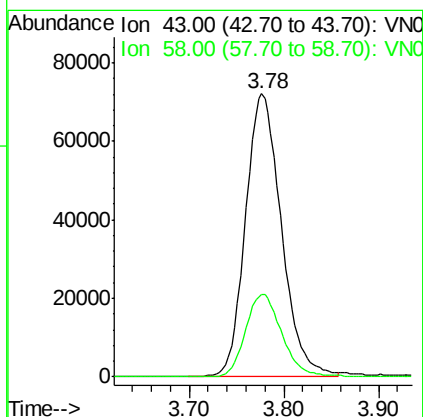
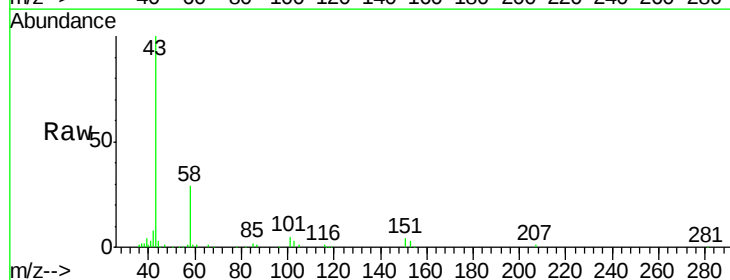
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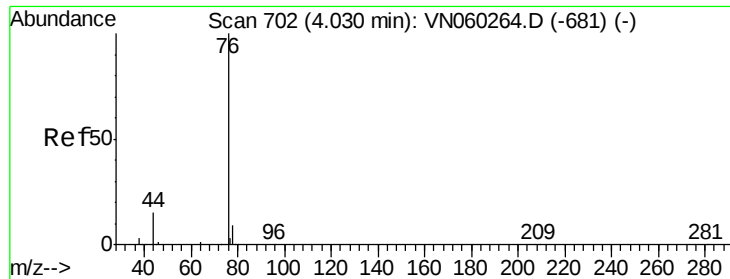
MMDadoda
 3/10/2020 10:45:49 AM



#16
 Acetone
 Concen: 225.97 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.6	36.8





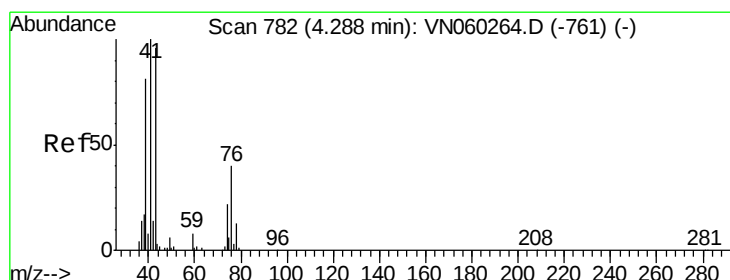
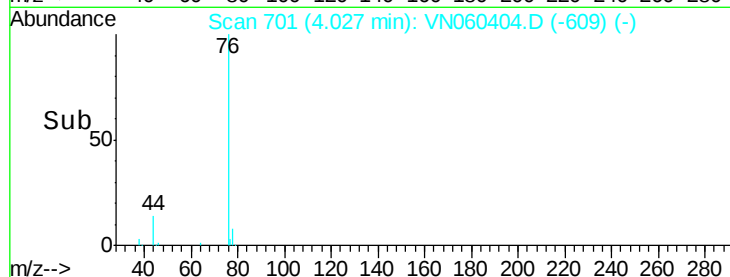
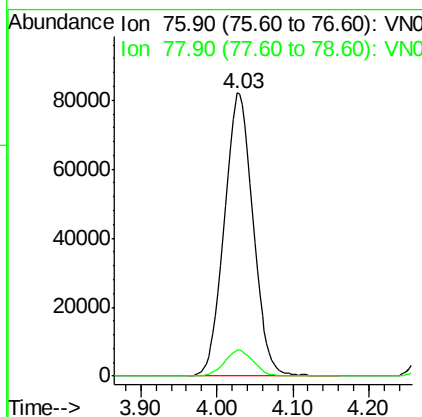
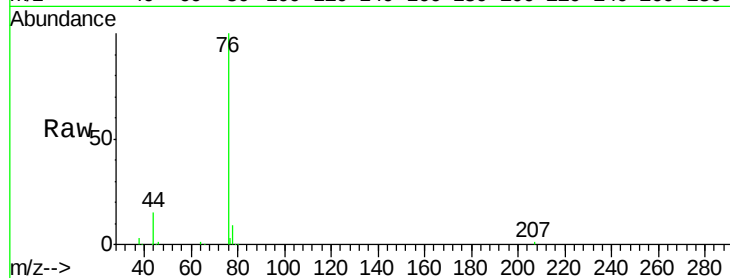
#17
Carbon Disulfide
Concen: 41.64 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 216439
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

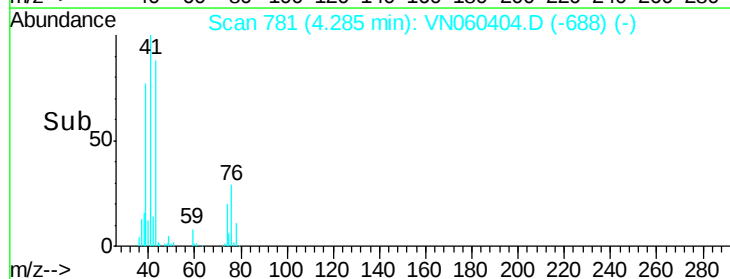
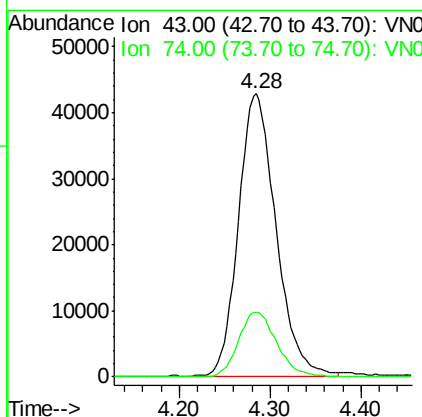
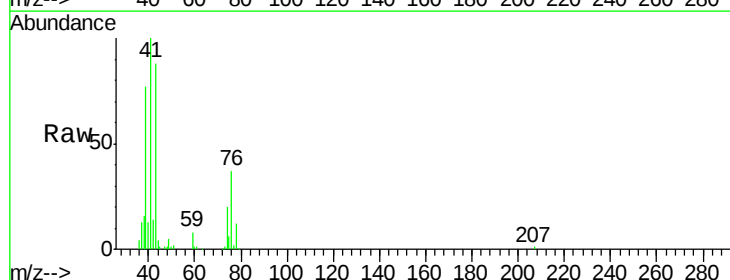
Manual Integrations
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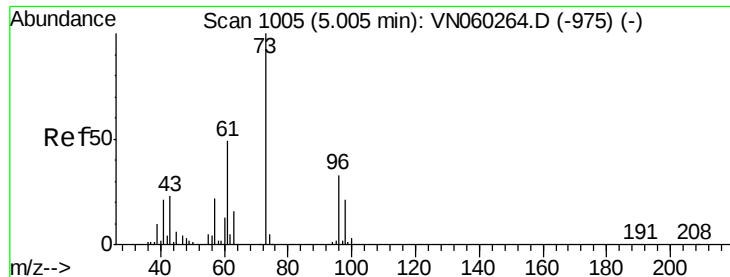
MMDadoda
3/10/2020 10:45:49 AM



#18
Methyl Acetate
Concen: 43.92 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 43 Resp: 123443
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2





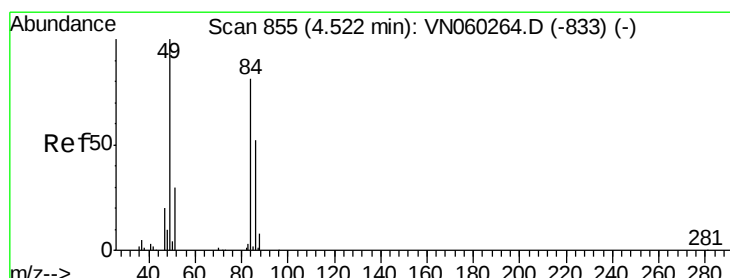
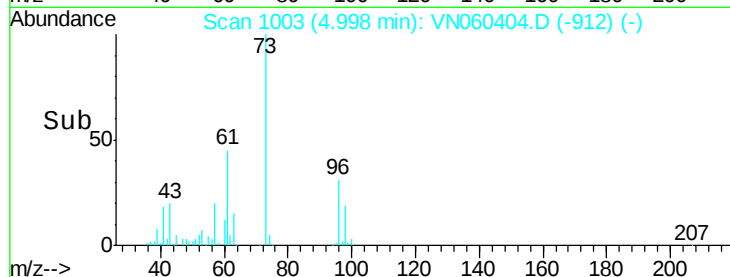
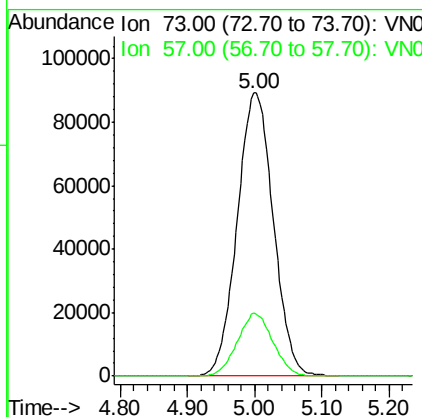
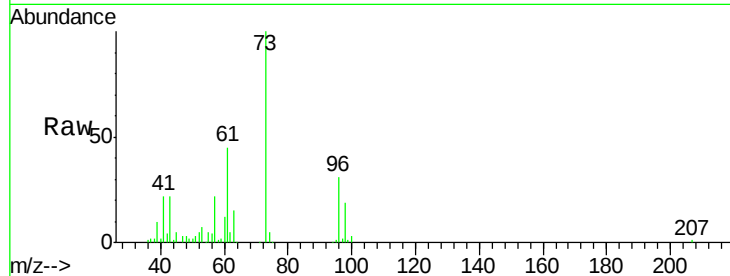
#19
Methyl tert-butyl Ether
Concen: 46.88 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 332450
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9

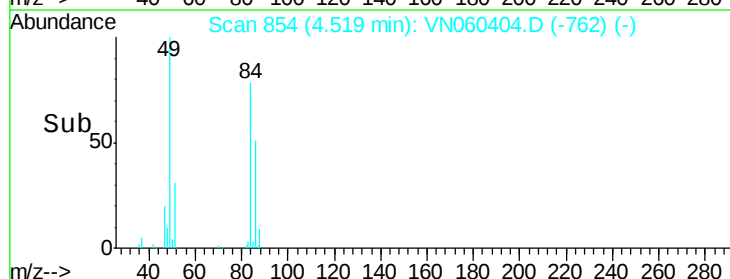
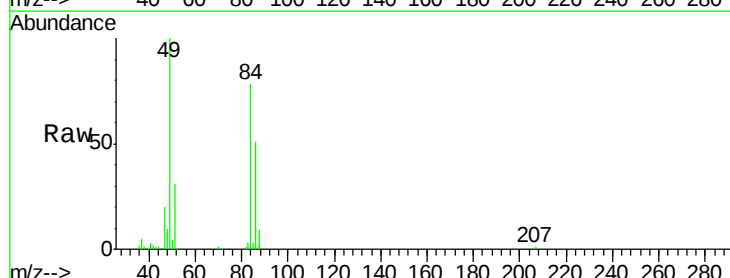
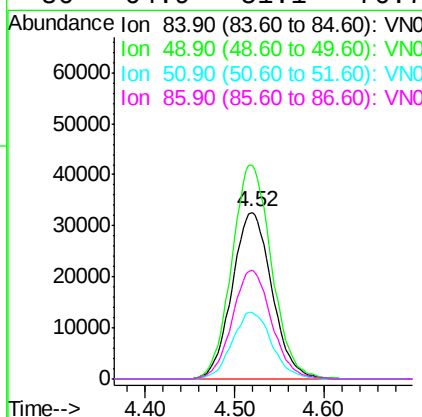
Manual Integrations
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MMDadoda
3/10/2020 10:45:49 AM



#20
Methylene Chloride
Concen: 43.78 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 84 Resp: 101270
Ion Ratio Lower Upper
84 100
49 127.7 99.3 148.9
51 39.6 30.1 45.1
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.38 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

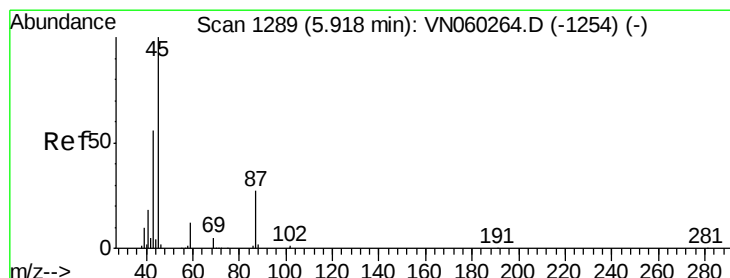
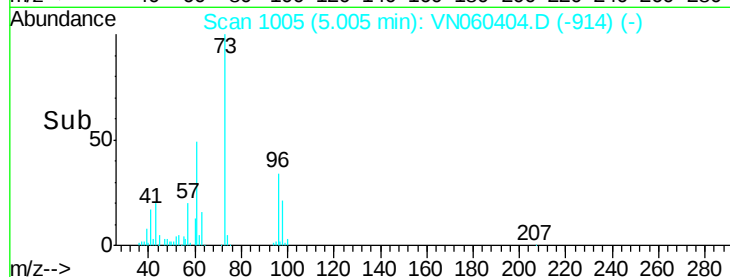
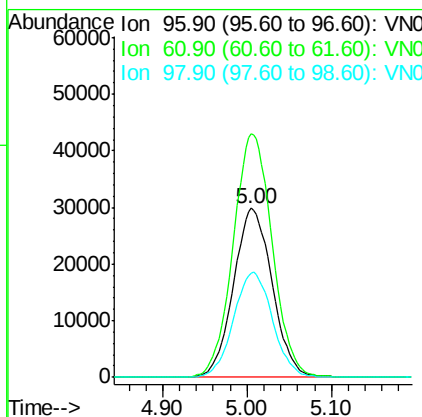
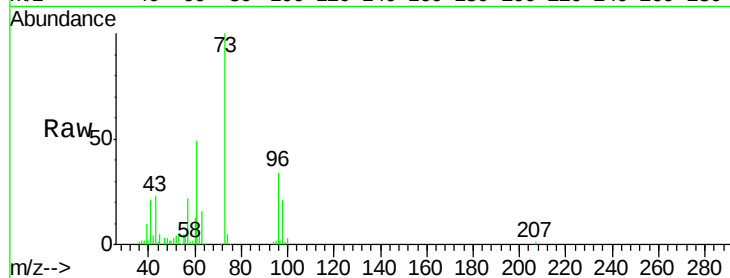
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	95302
Ion	Ratio	Lower	Upper
96	100		
61	144.3	113.8	170.8
98	61.6	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.74 ug/l

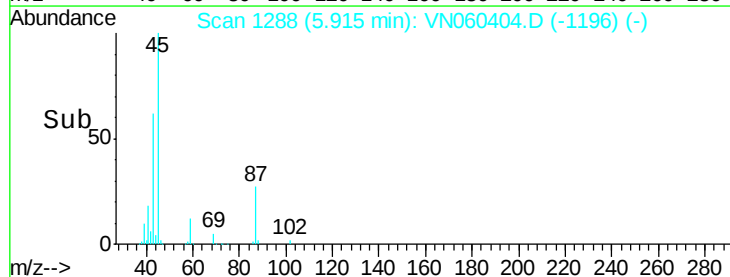
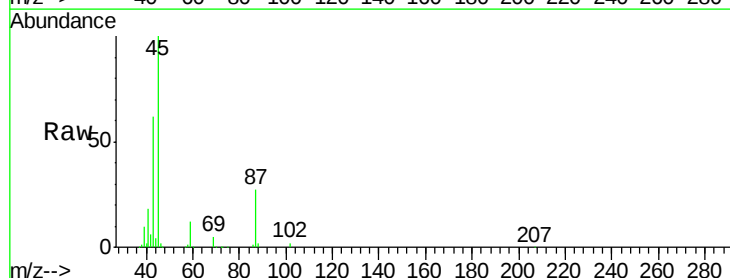
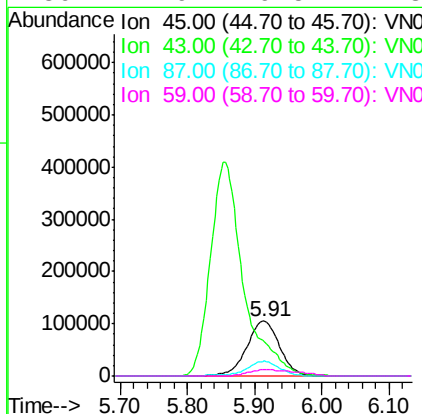
RT: 5.91 min Scan# 1288

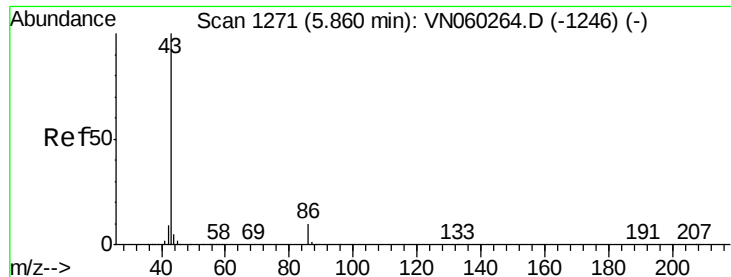
Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion:	45	Resp:	355520
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.6	72.8
87	27.1	22.2	33.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 241.50 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1399783

Ion Ratio Lower Upper

43 100

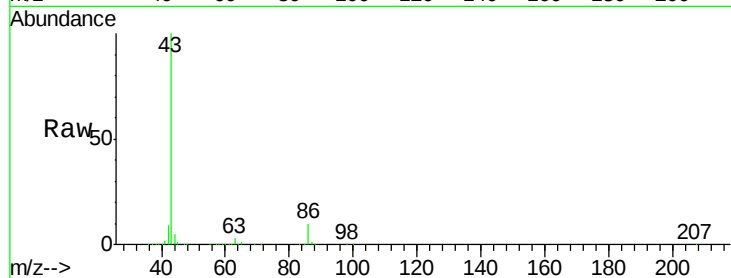
86 9.7 8.0 12.0

Manual Integrations

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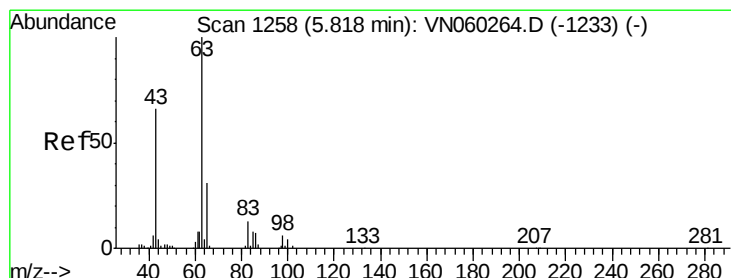
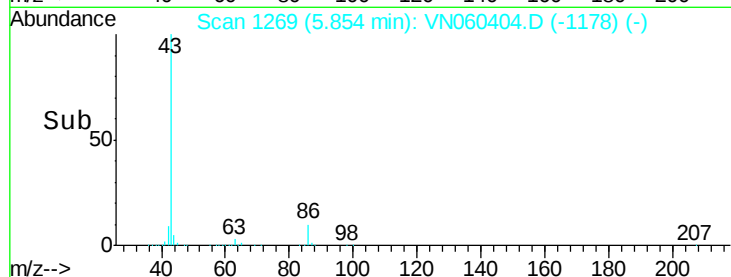
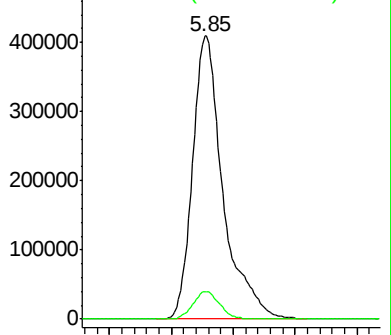
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.08 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

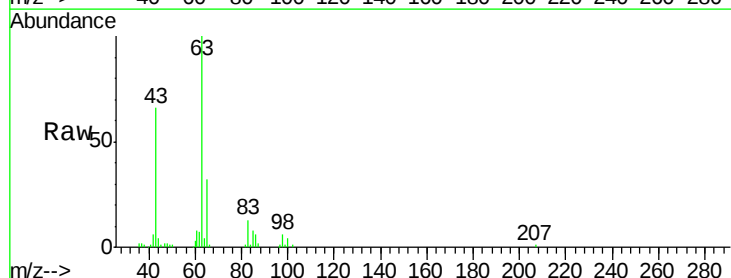
Tgt Ion: 63 Resp: 194389

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

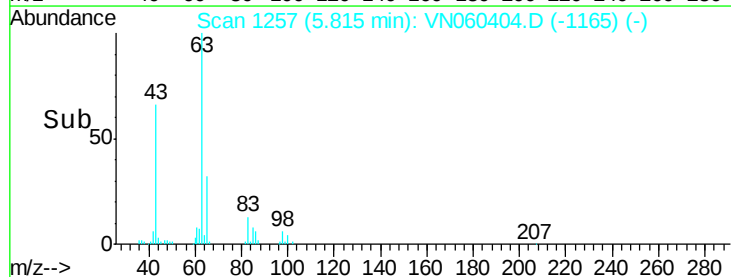
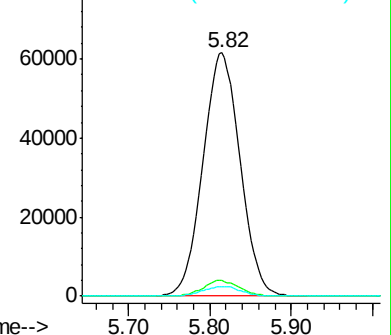
100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 230.12 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 313082

Ion Ratio Lower Upper

43 100

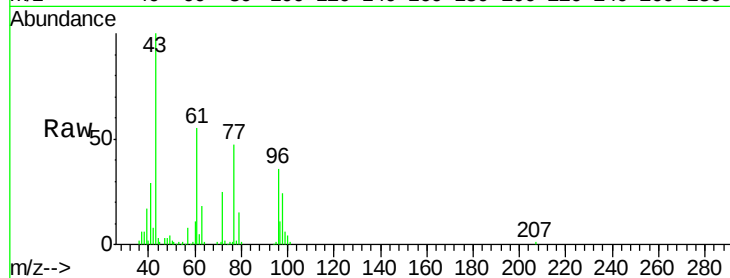
72 25.3 20.9 31.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060404.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060404.D (-1540) (-)

6.80

120000

100000

80000

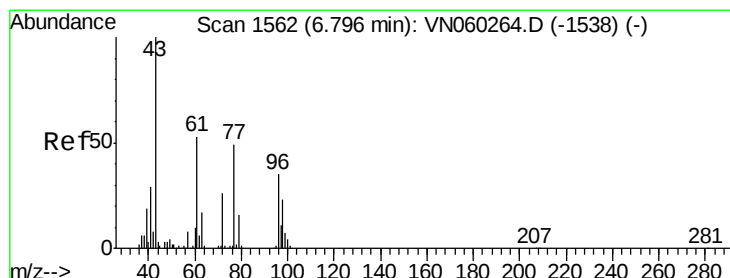
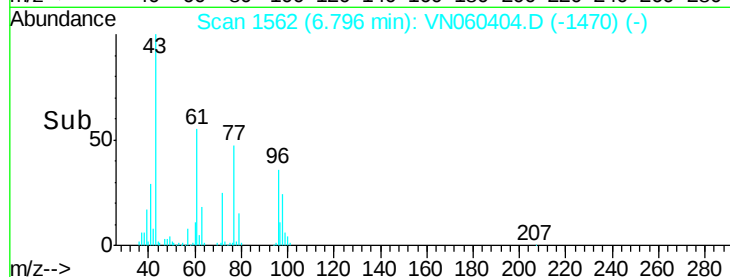
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.06 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060404.D

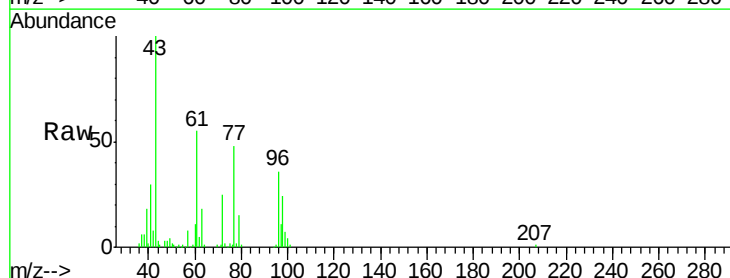
Acq: 9 Mar 2020 15:56

Tgt Ion: 77 Resp: 165606

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060404.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060404.D (-1469) (-)

6.79

60000

50000

40000

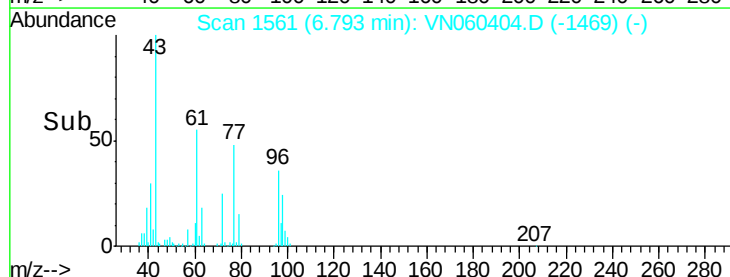
30000

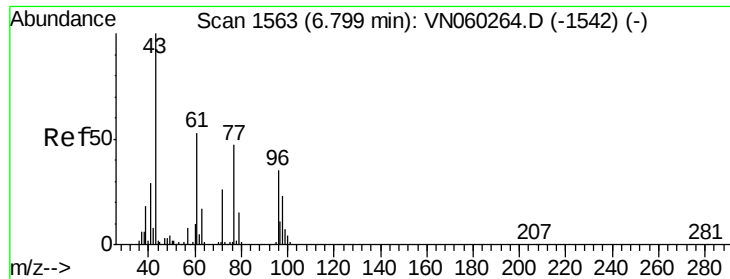
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 43.87 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

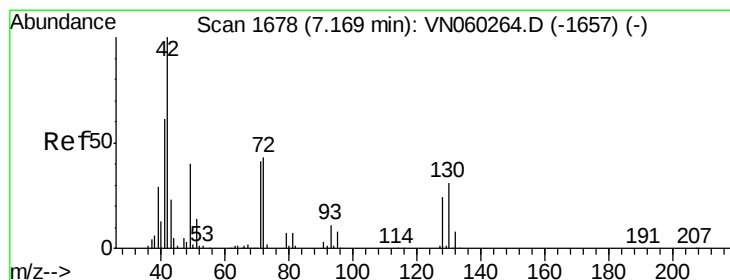
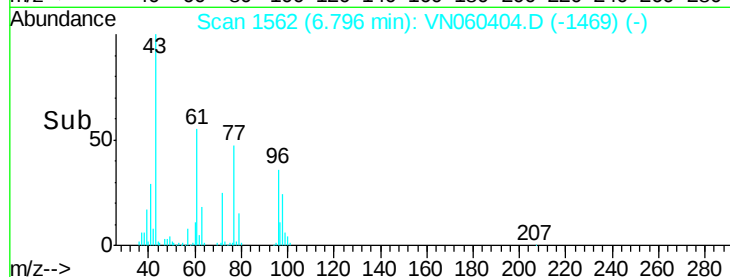
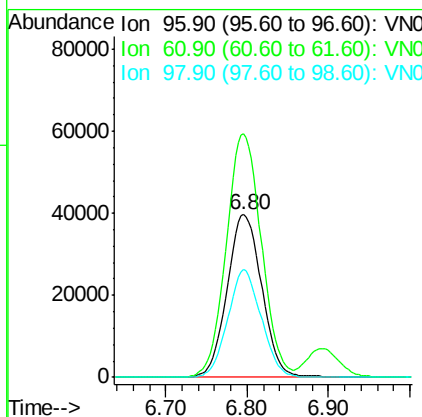
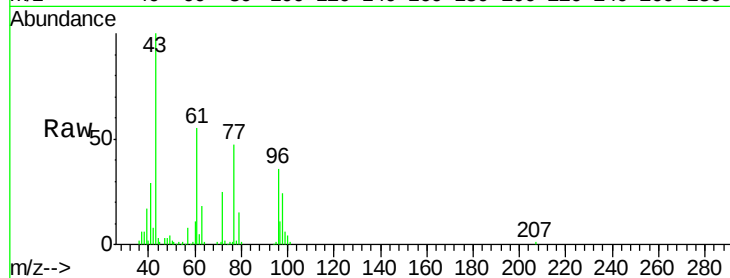
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	117669
Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	300.8
98	63.8	0.0	128.2

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#28

Bromochloromethane

Concen: 47.65 ug/l

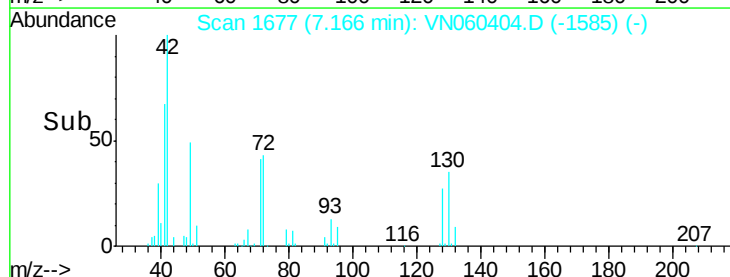
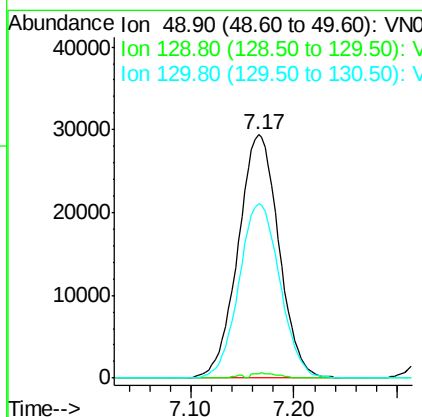
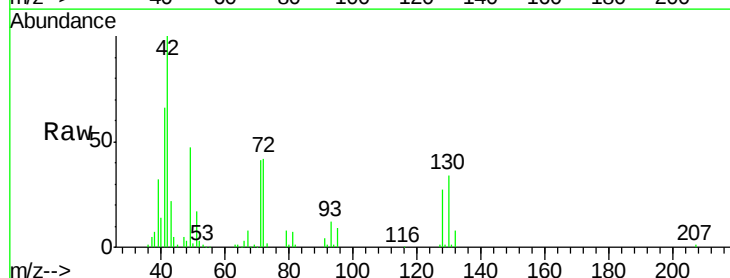
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion:	49	Resp:	80786
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	71.9	59.8	89.8





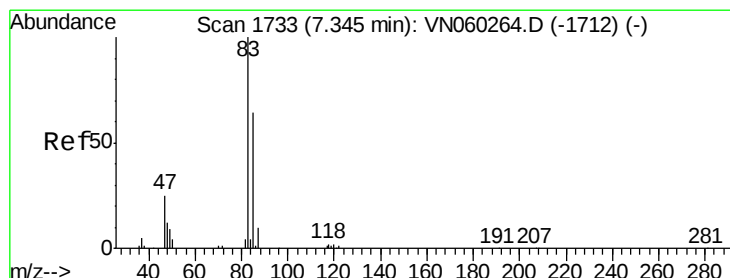
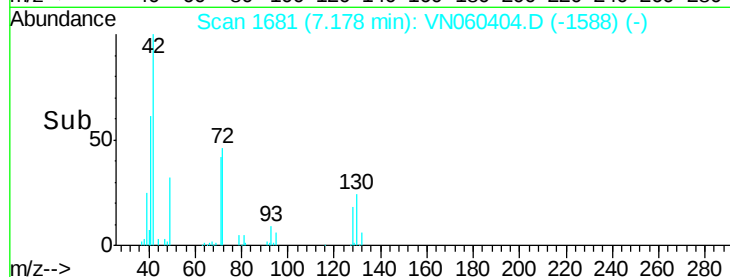
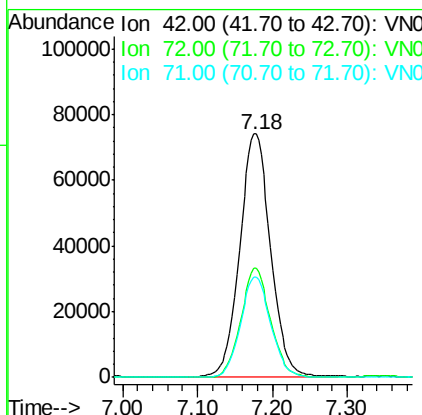
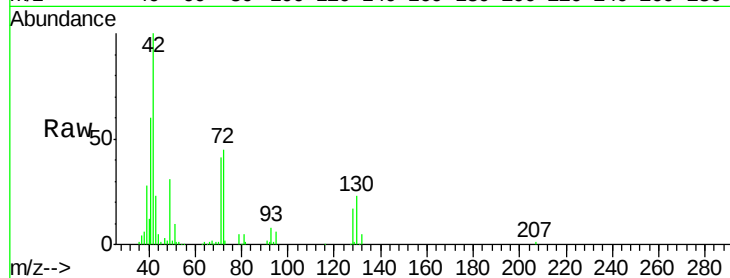
#29
Tetrahydrofuran
Concen: 225.09 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.6	52.0
71	40.0	32.9	49.3

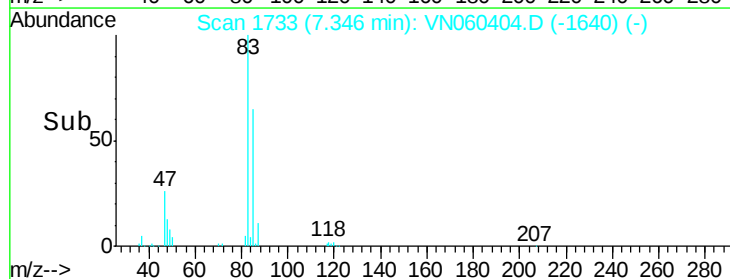
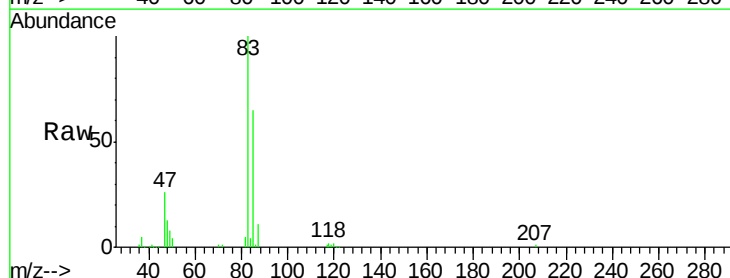
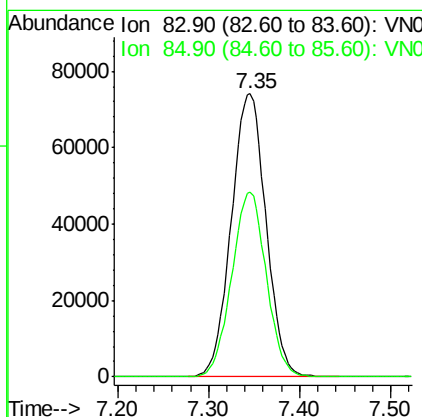
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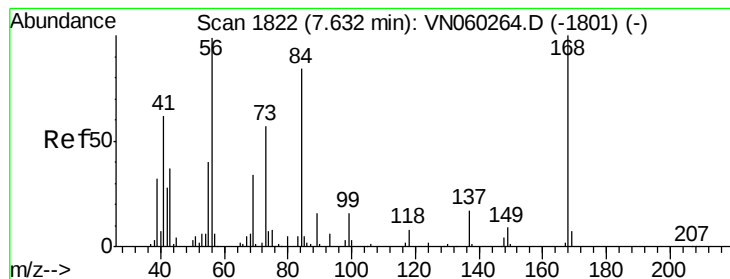
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#30
Chloroform
Concen: 47.76 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 46.57 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 164407
Ion Ratio Lower Upper

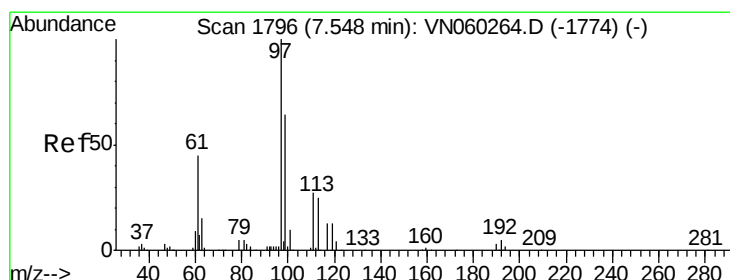
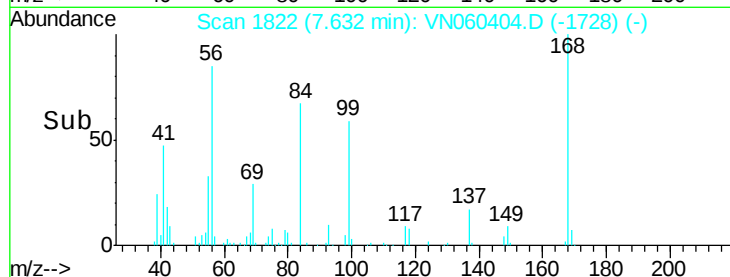
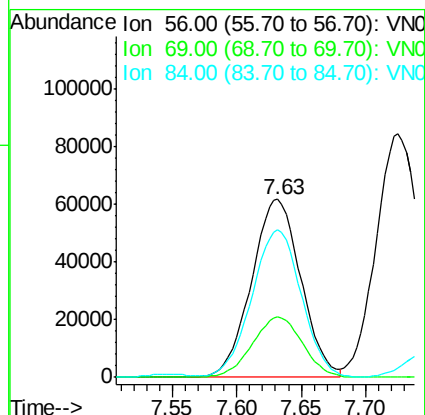
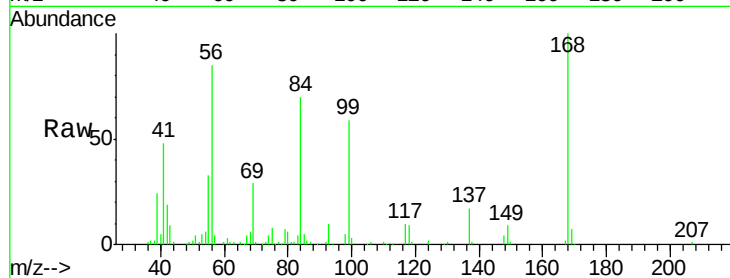
56 100

69 33.8 27.2 40.8

84 81.9 66.7 100.1

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#32

1,1,1-Trichloroethane

Concen: 47.05 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060404.D

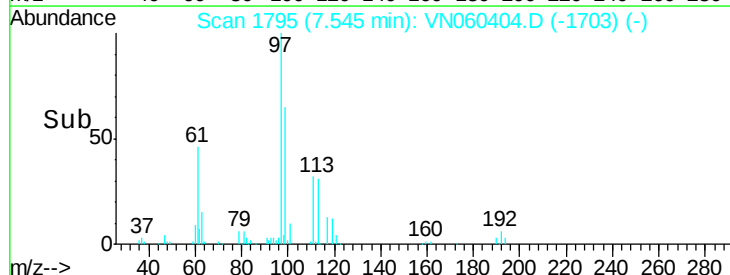
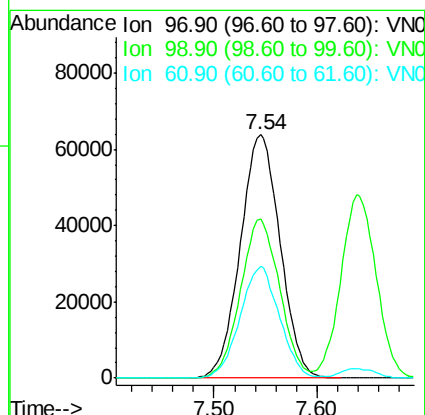
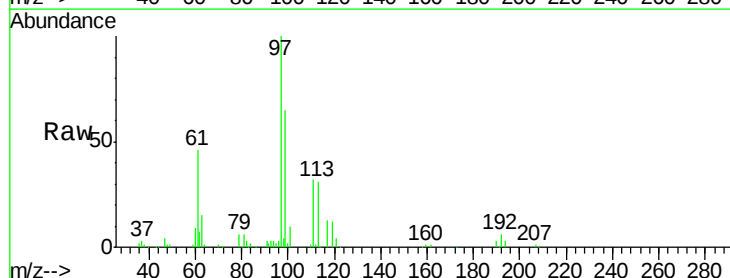
Acq: 9 Mar 2020 15:56

Tgt Ion: 97 Resp: 171365
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 45.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.06 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 125357

Ion Ratio Lower Upper

65 100

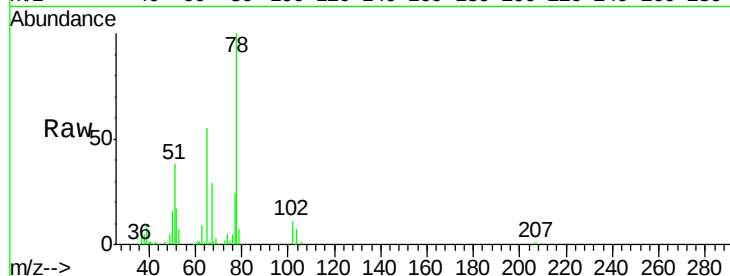
67 53.0 0.0 103.8

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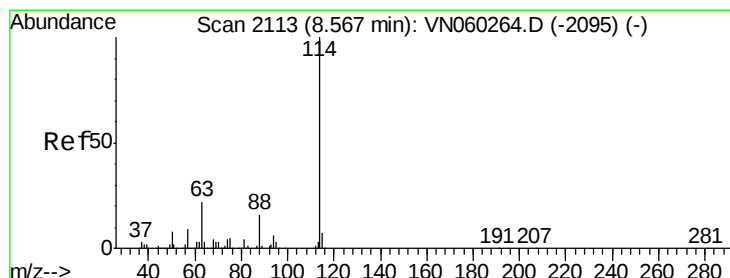
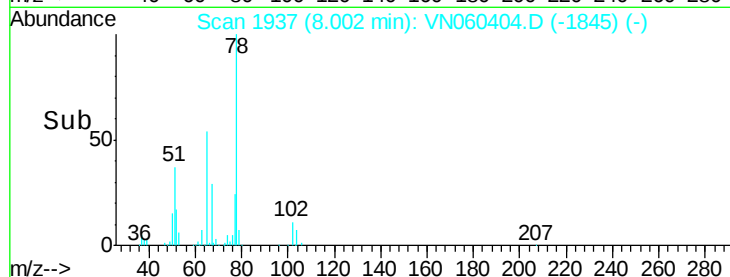
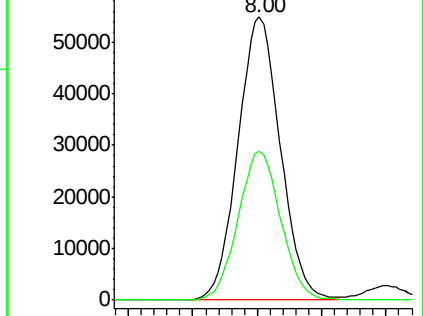
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Abundance Ion 64.90 (64.60 to 65.60): VN060404.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060404.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

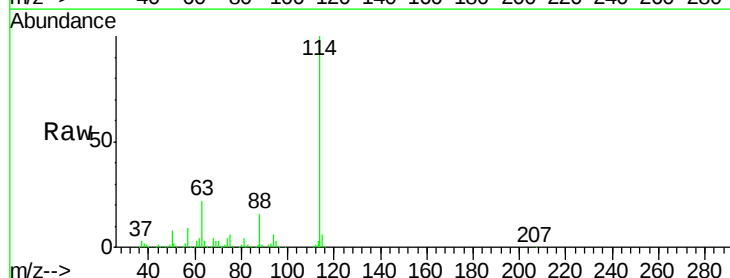
Tgt Ion: 114 Resp: 331672

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

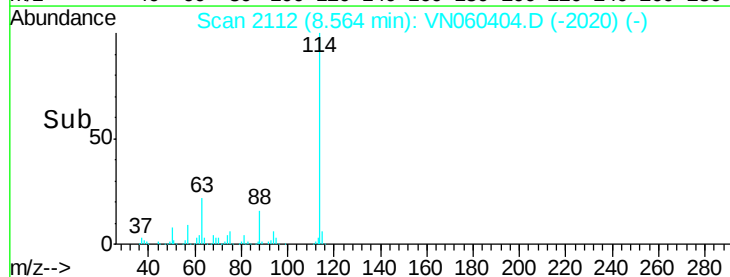
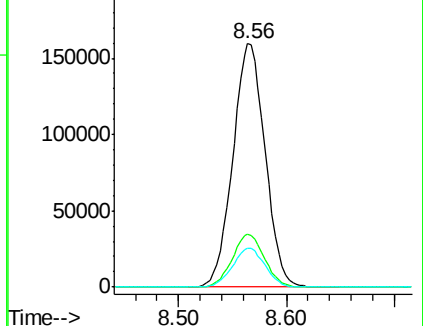
88 16.0 0.0 31.6

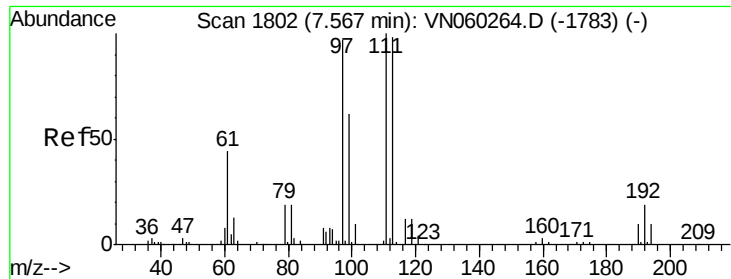


Abundance Ion 113.90 (113.60 to 114.60): VN060404.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060404.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060404.D (-2095) (-)





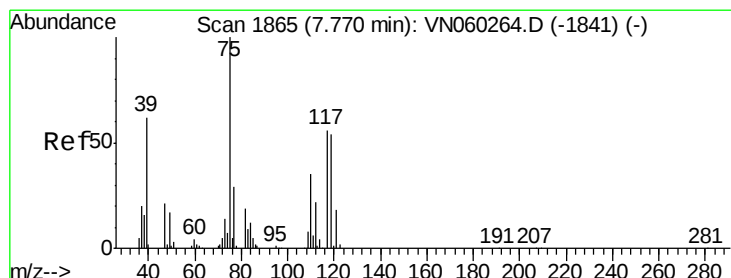
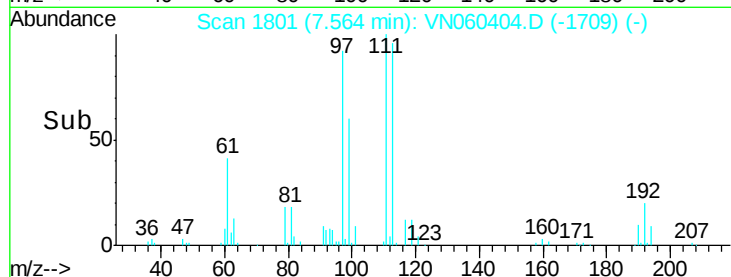
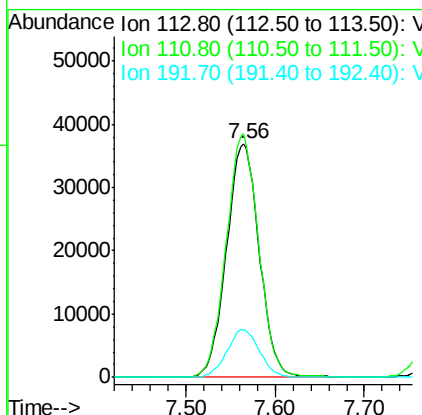
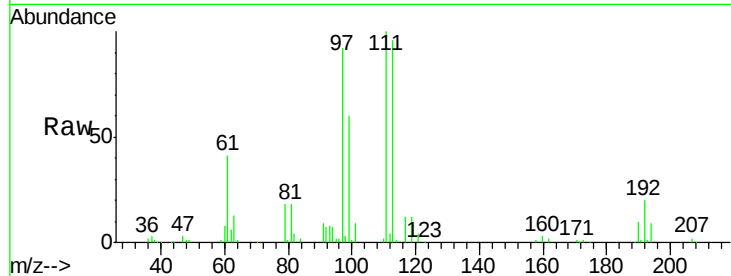
#35
 Dibromofluoromethane
 Concen: 60.89 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.3	16.2	24.2

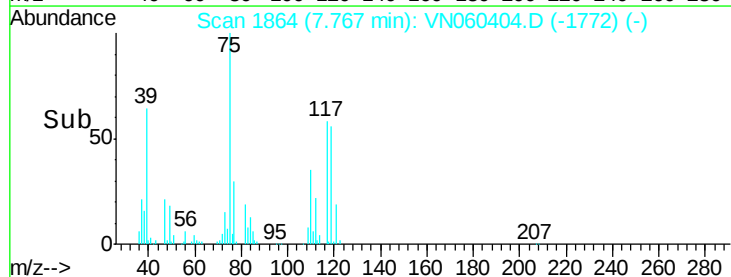
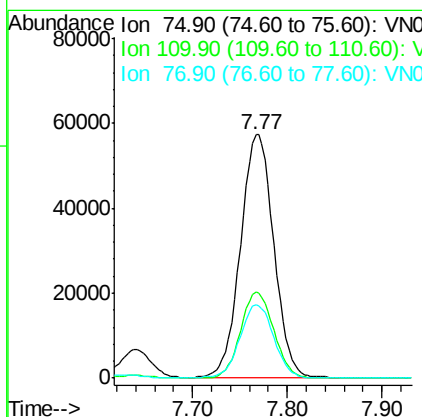
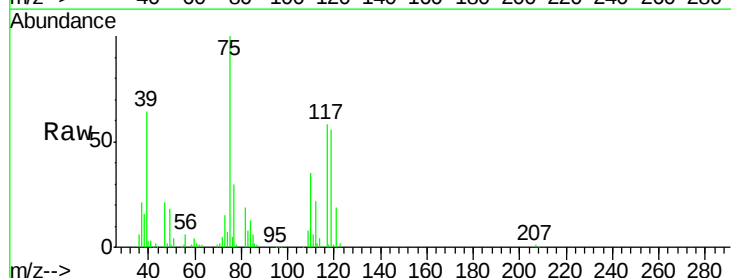
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#36
 1,1-Dichloropropene
 Concen: 44.49 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	30.7	24.2	36.2





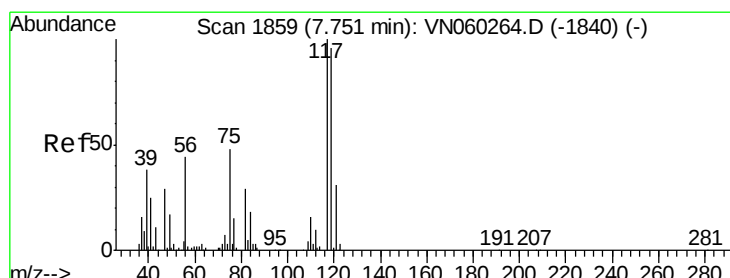
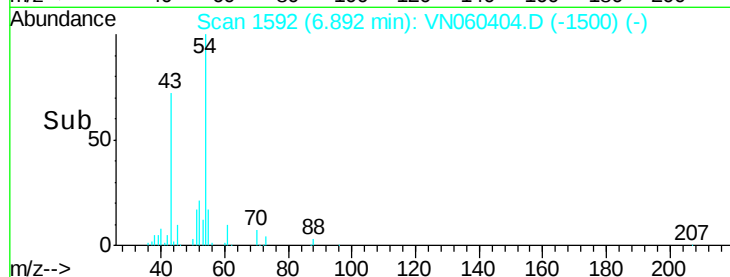
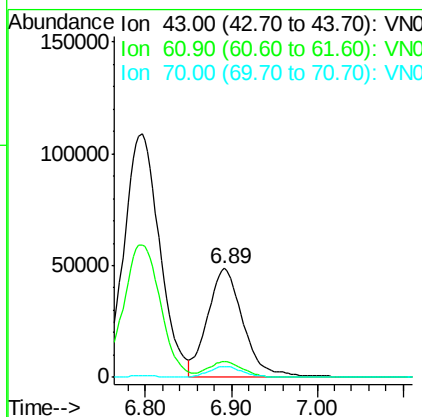
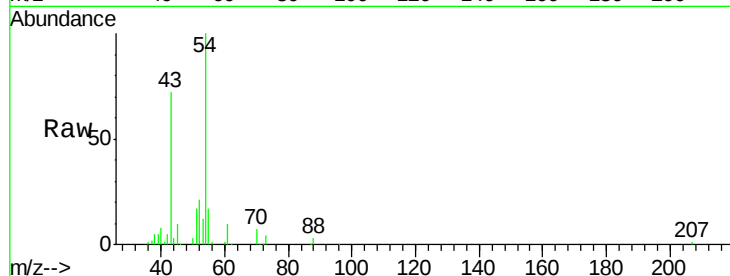
#37
Ethyl Acetate
 Concen: 46.34 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	9.8	8.4	12.6

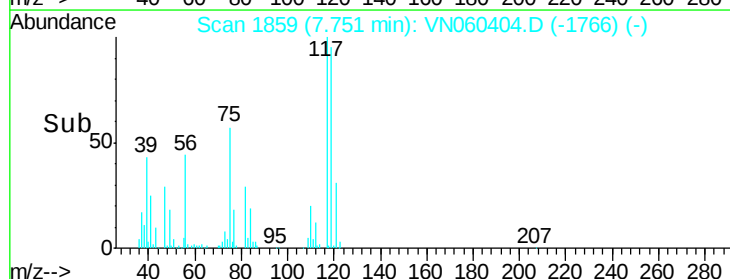
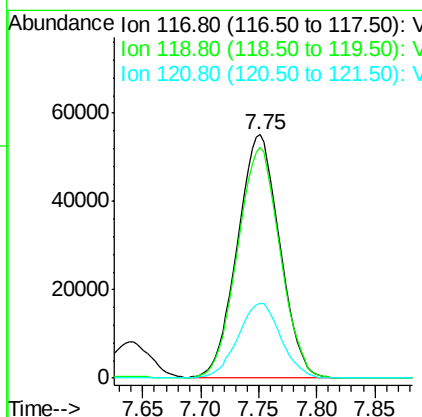
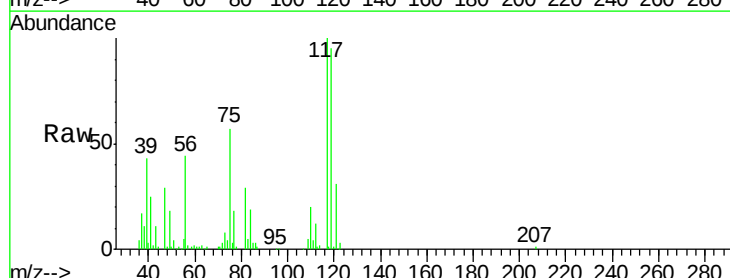
Manual Integrations
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#38
Carbon Tetrachloride
 Concen: 45.59 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.7	115.1
121	30.8	24.5	36.7





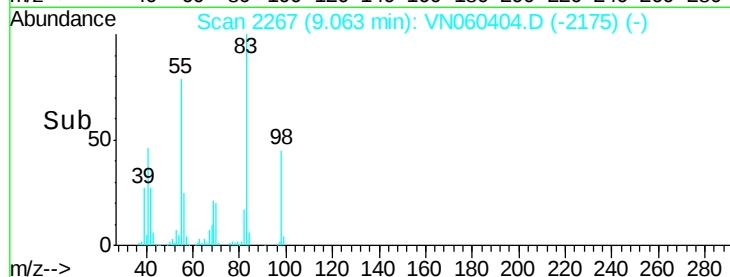
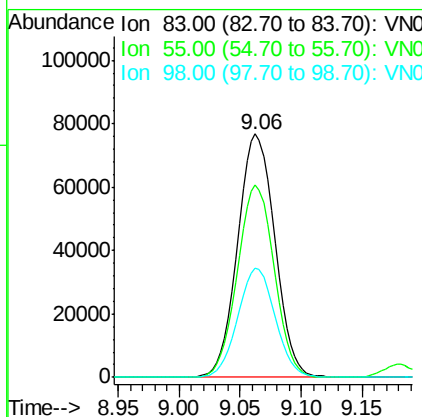
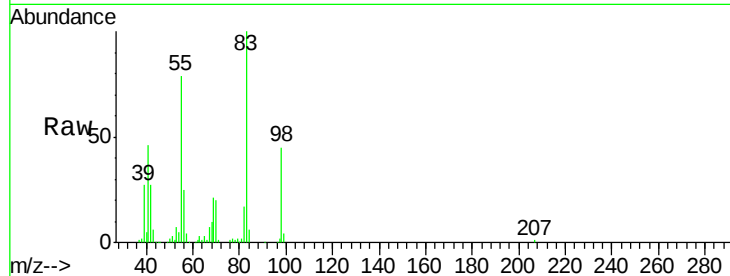
#39
Methylcyclohexane
Concen: 43.45 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	161925		
55	78.8	61.0	91.4	
98	45.0	36.1	54.1	

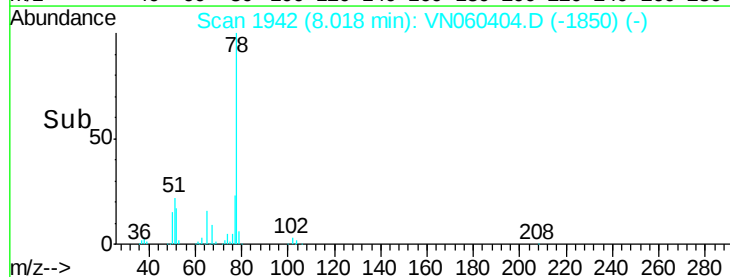
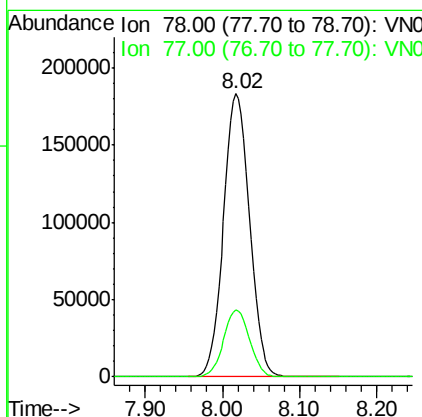
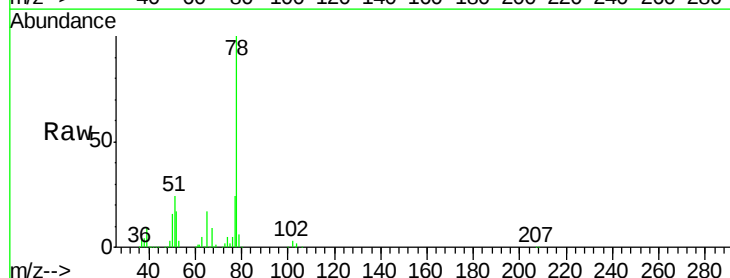
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#40
Benzene
Concen: 46.61 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	428854		
77	23.6	18.8	28.2	





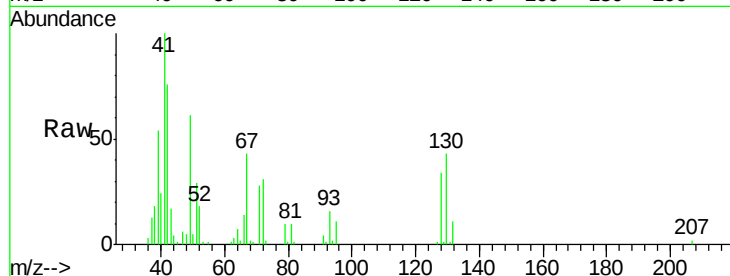
#41
Methacrylonitrile
Concen: 53.33 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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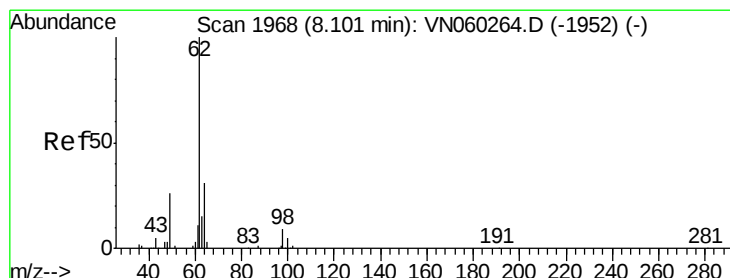
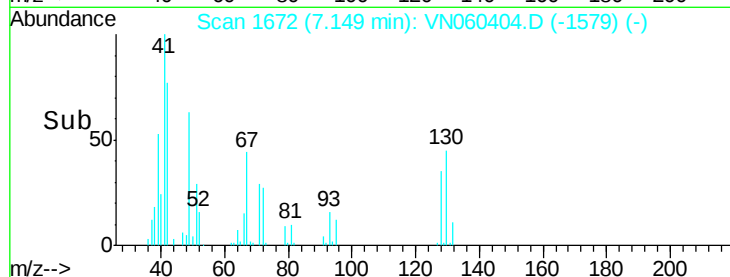
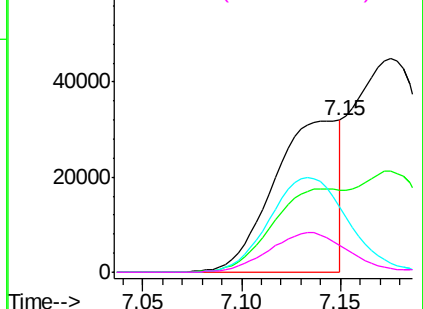


Abundance Ion 41.00 (40.70 to 41.70): VN060404.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060404.D (-1648) (-)

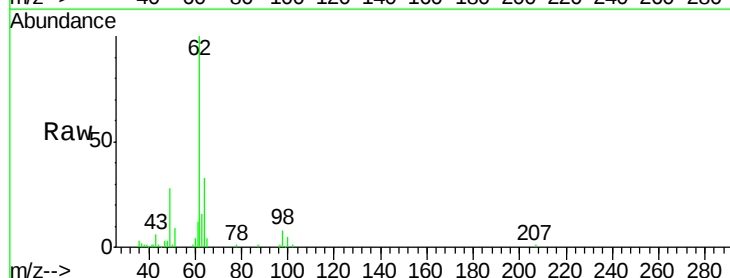
Ion 67.00 (66.70 to 67.70): VN060404.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060404.D (-1648) (-)



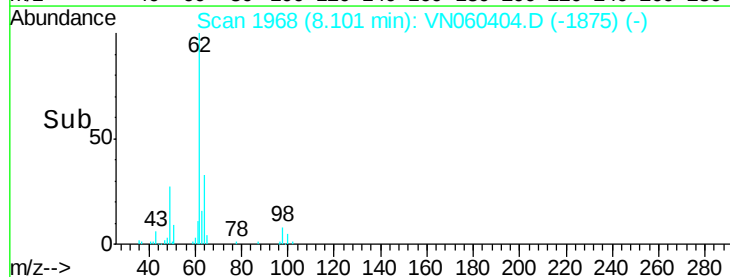
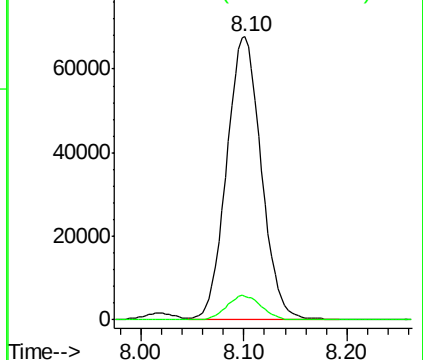
#42
1,2-Dichloroethane
Concen: 47.74 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

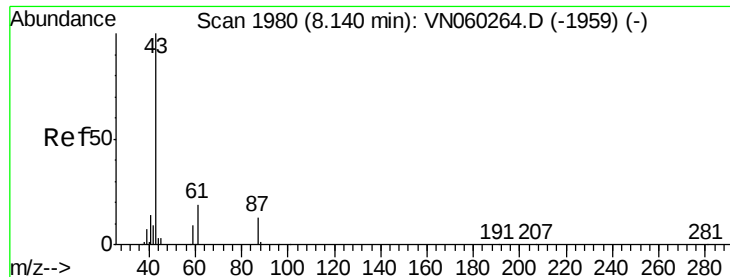
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060404.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060404.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 47.31 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

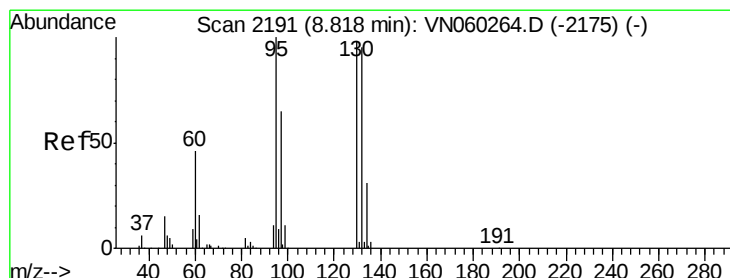
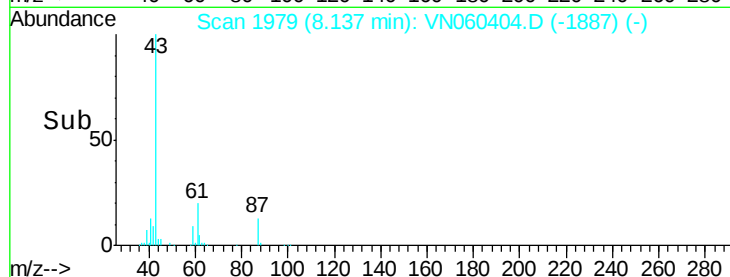
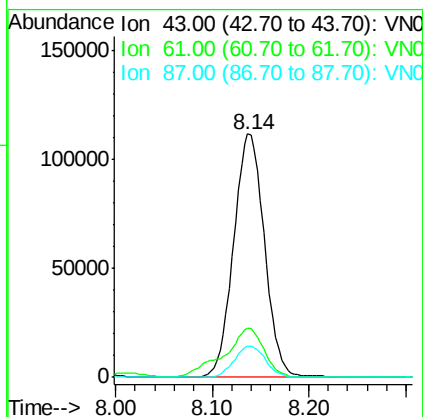
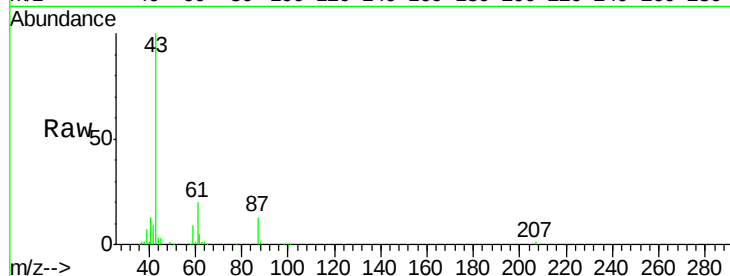
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	247913
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.9	31.3
87	12.8	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 45.04 ug/l

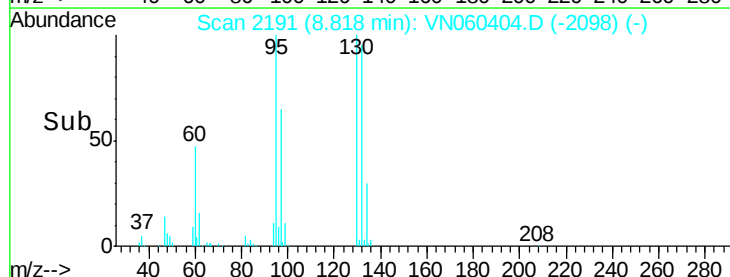
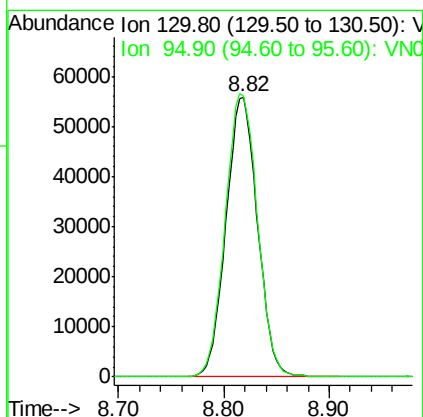
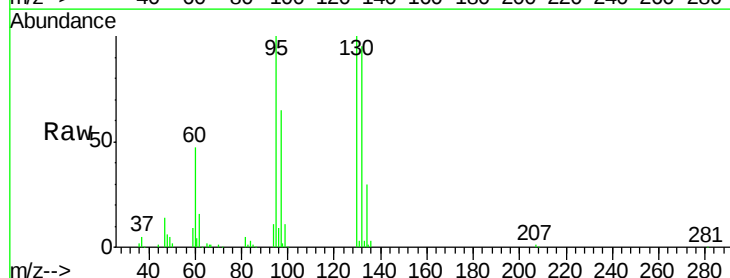
RT: 8.82 min Scan# 2191

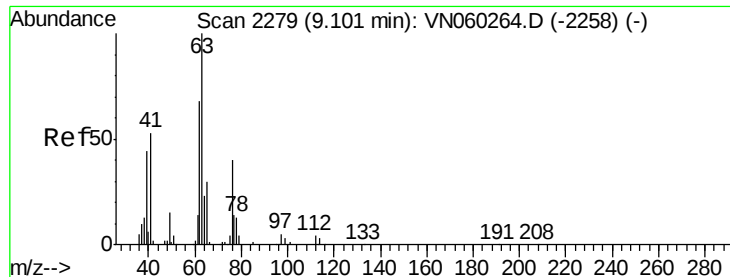
Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion:	130	Resp:	115409
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	203.4





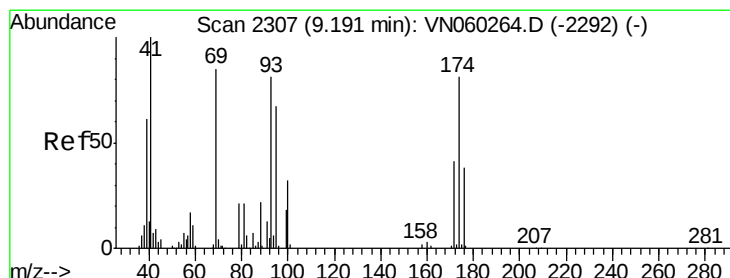
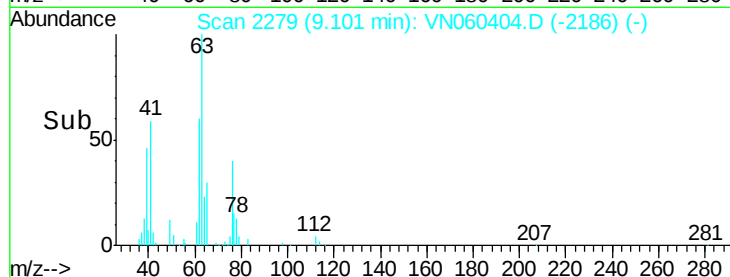
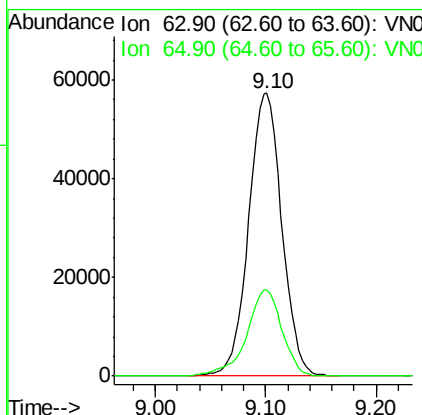
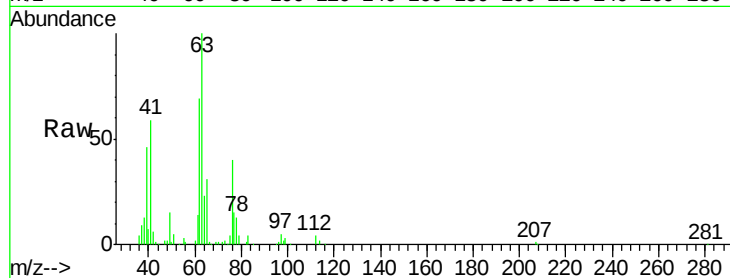
#45
 1,2-Dichloropropane
 Concen: 49.62 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 119360
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

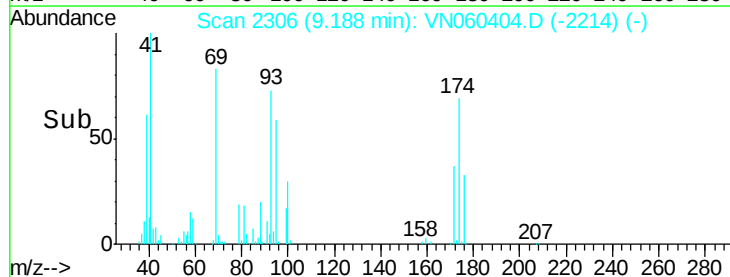
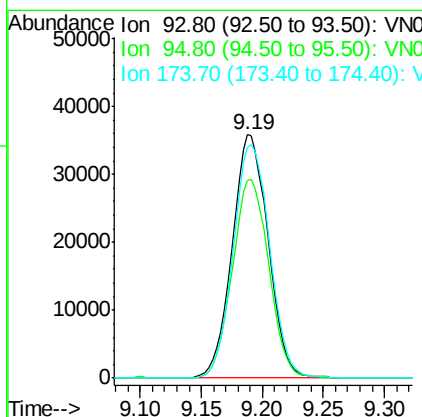
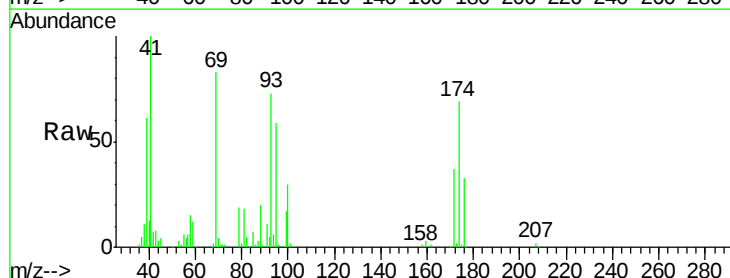
Manual Integrations
 APPROVED

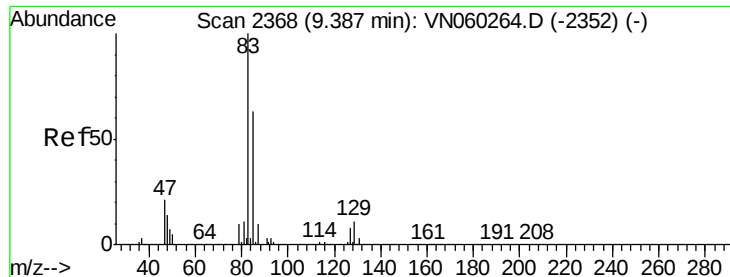
MMDadoda
 3/10/2020 10:45:49 AM



#46
 Dibromomethane
 Concen: 46.91 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 93 Resp: 73213
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 97.7 79.6 119.4





#47

Bromodichloromethane

Concen: 49.96 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

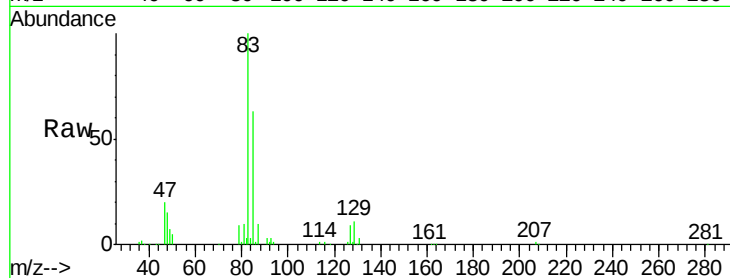
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	158594
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.7	76.1
127	8.7	6.8	10.2

Manual Integrations
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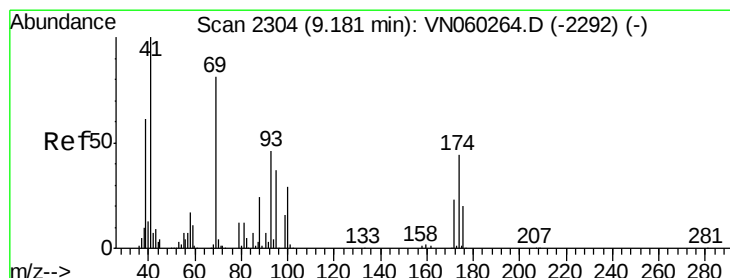
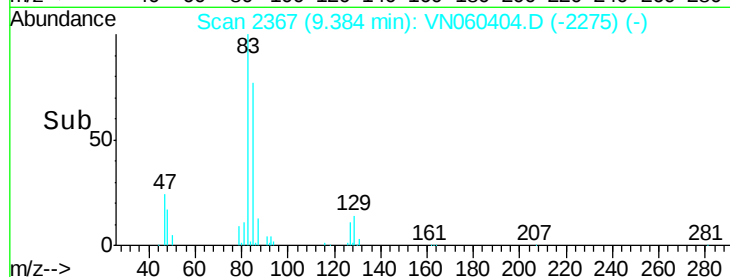
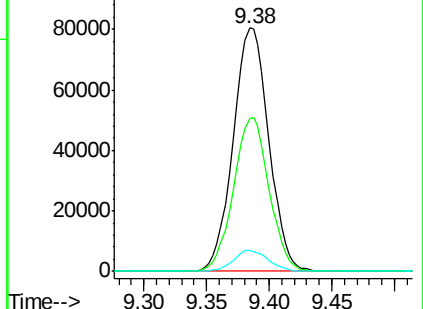
MMDadoda
3/10/2020 10:45:49 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060404.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060404.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060404.D (-2275) (-)



#48

Methyl methacrylate

Concen: 45.86 ug/l

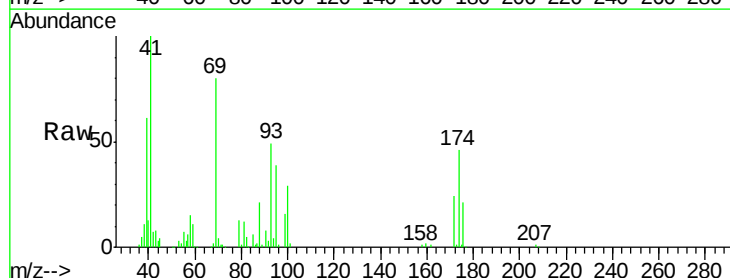
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

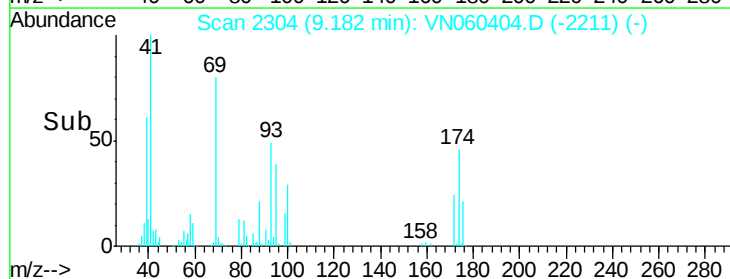
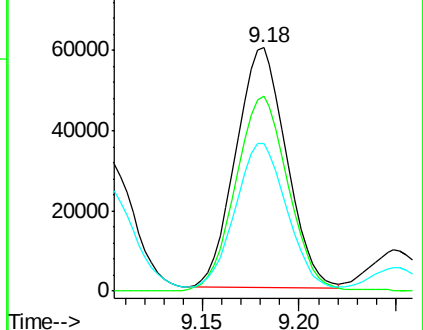
Tgt Ion:	41	Resp:	109570
Ion	Ratio	Lower	Upper
41	100		
69	84.0	66.7	100.1
39	63.4	50.1	75.1

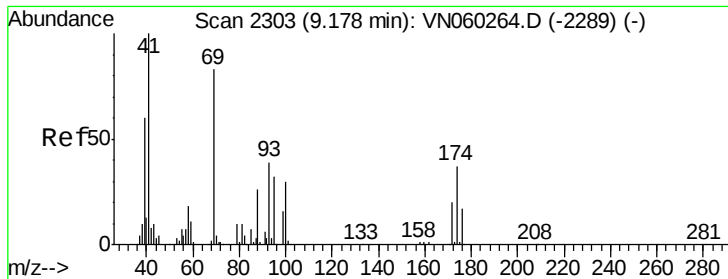


Abundance Ion 41.00 (40.70 to 41.70): VN060404.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060404.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060404.D (-2211) (-)





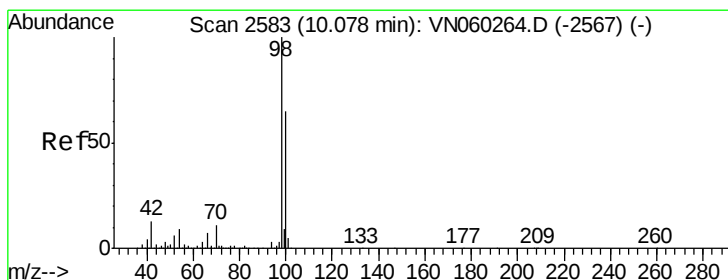
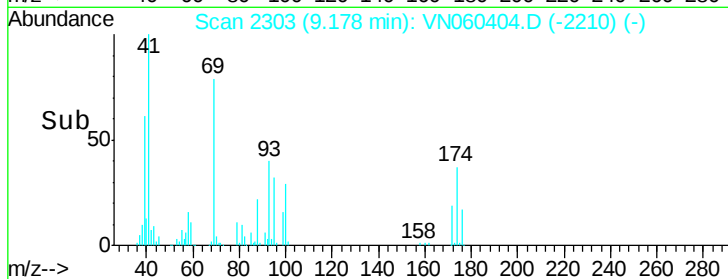
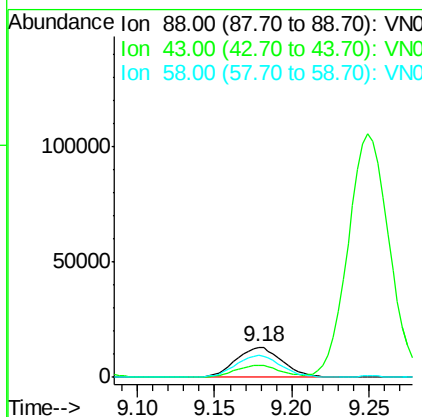
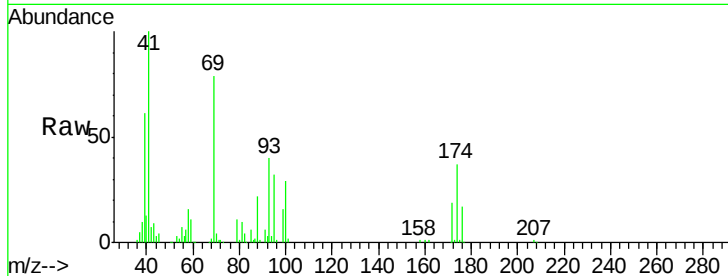
#49
1,4-Dioxane
Concen: 807.27 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.4	45.6
58	71.6	57.0	85.6

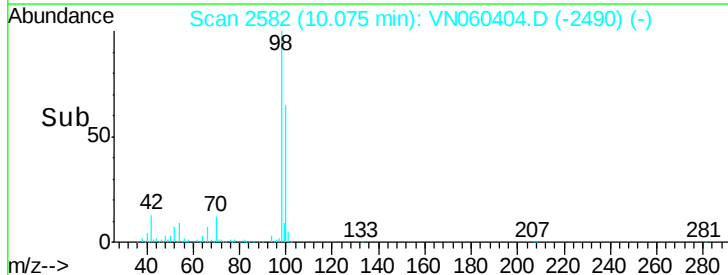
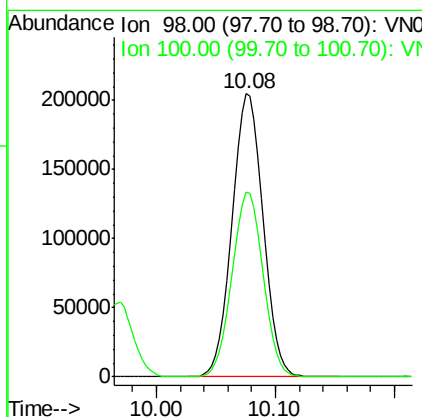
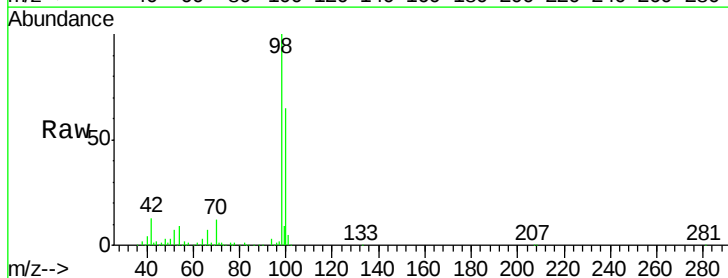
Manual Integrations
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#50
Toluene-d8
Concen: 47.59 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





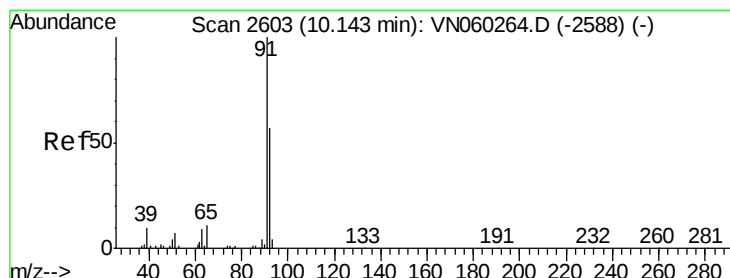
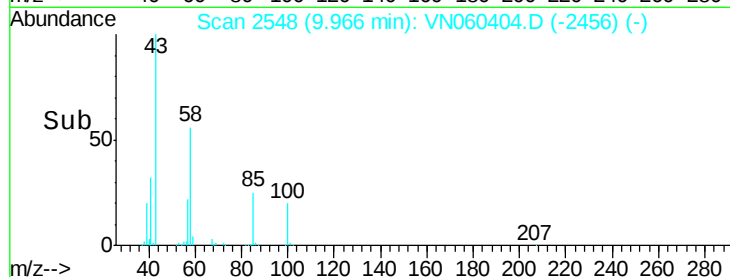
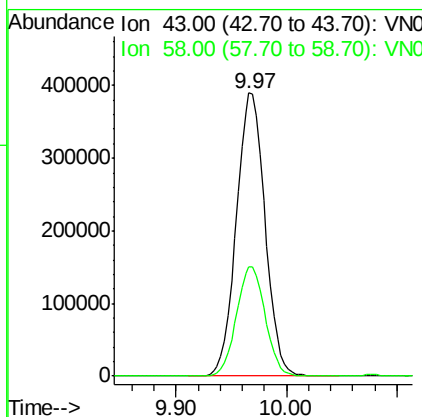
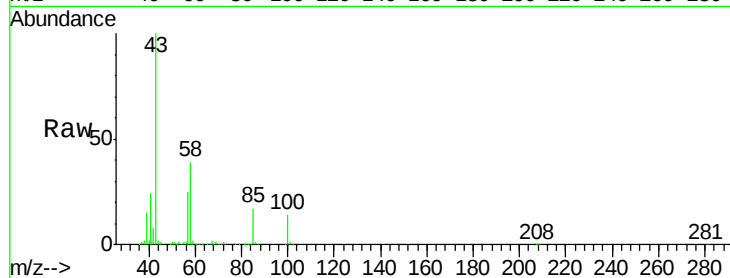
#51
 4-Methyl-2-Pentanone
 Concen: 235.52 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.9	46.3

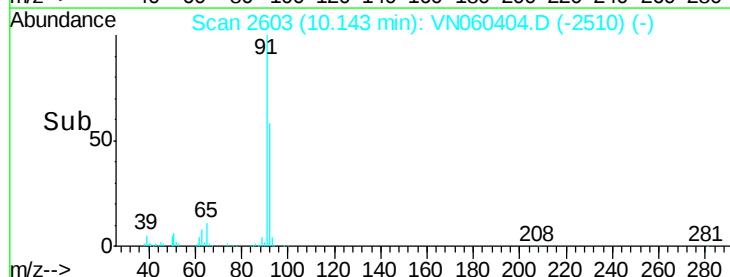
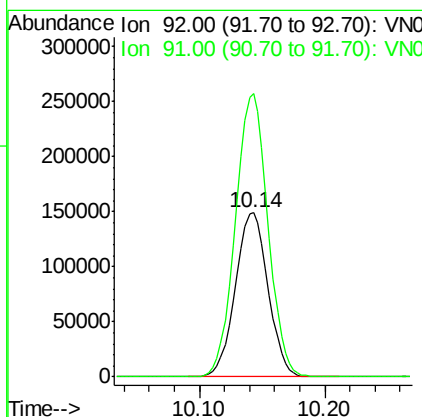
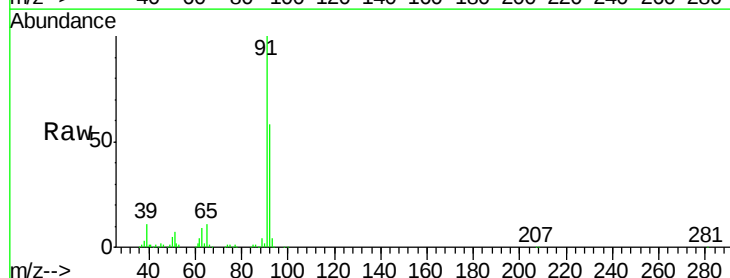
Manual Integrations
 APPROVED

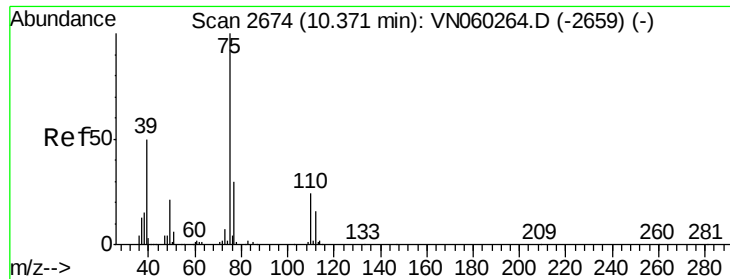
MMDadoda
 3/10/2020 10:45:49 AM



#52
 Toluene
 Concen: 46.57 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	138.1	207.1





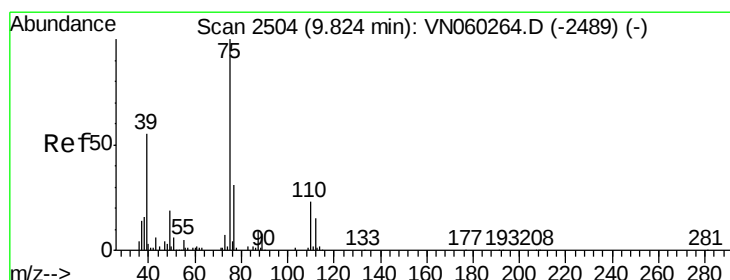
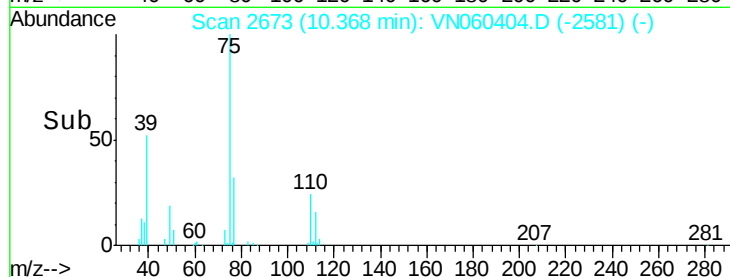
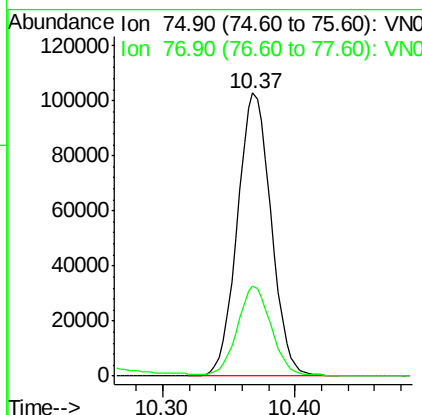
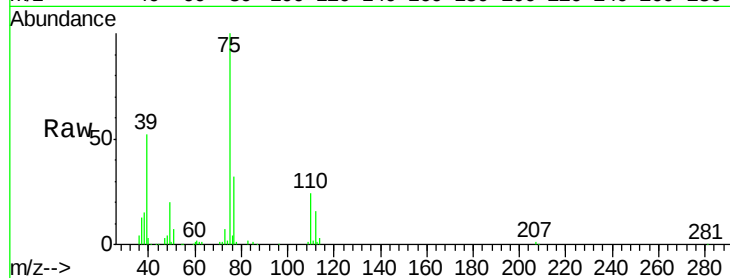
#53
t-1,3-Dichloropropene
Concen: 46.60 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 181256
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2

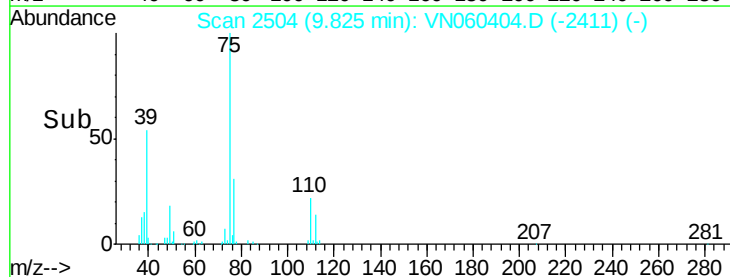
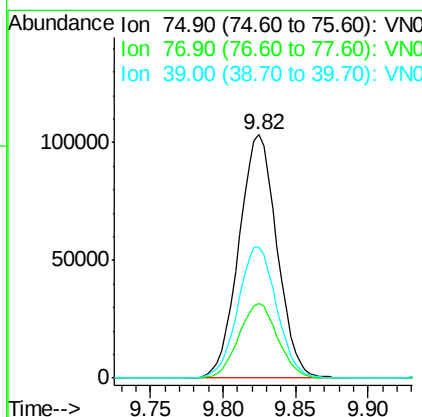
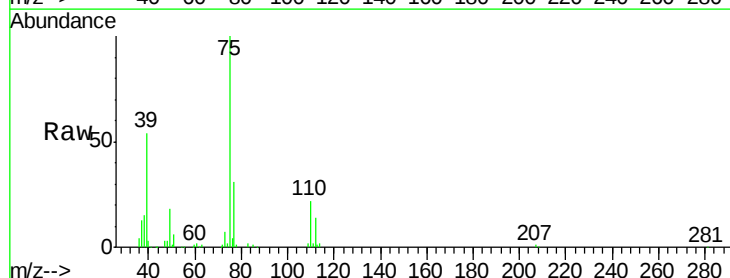
Manual Integrations
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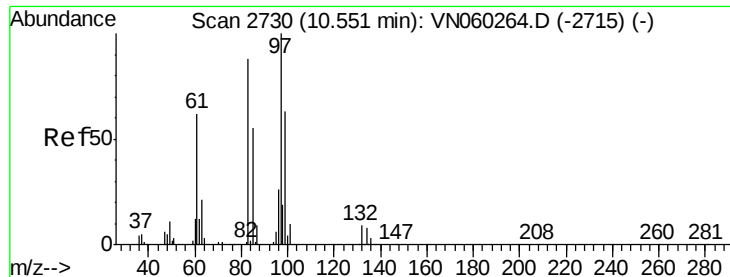
MMDadoda
3/10/2020 10:45:49 AM



#54
cis-1,3-Dichloropropene
Concen: 46.92 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 75 Resp: 189126
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 54.0 43.8 65.8





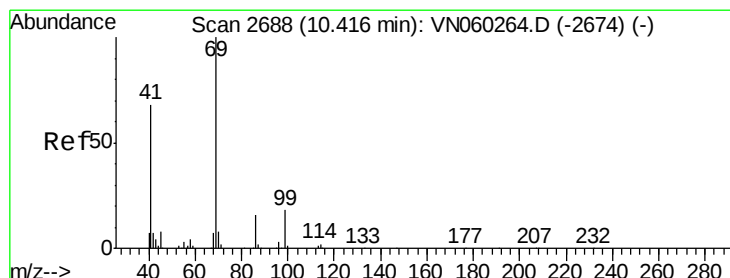
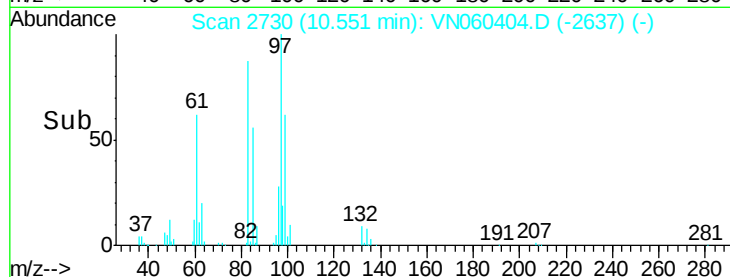
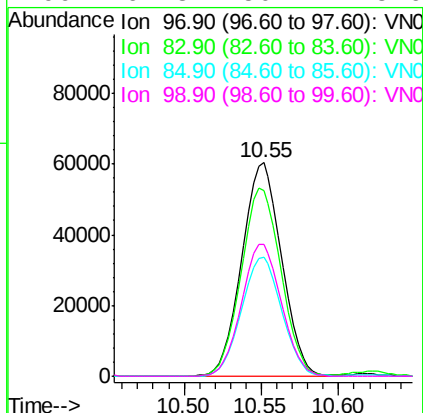
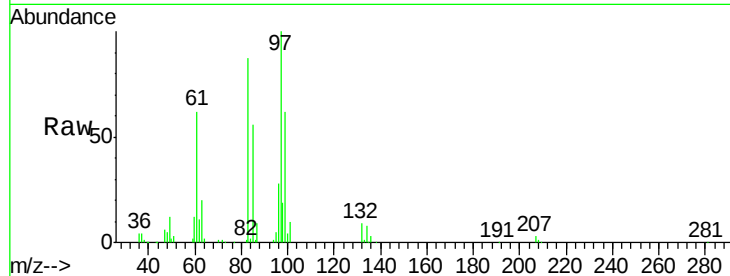
#55
 1,1,2-Trichloroethane
 Concen: 46.64 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	108403		
83	86.9	70.0	105.0	
85	55.5	44.0	66.0	
99	61.8	50.4	75.6	

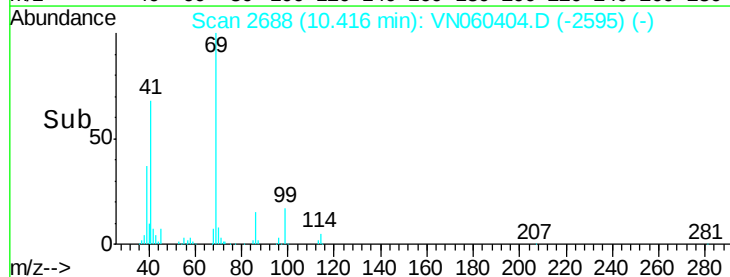
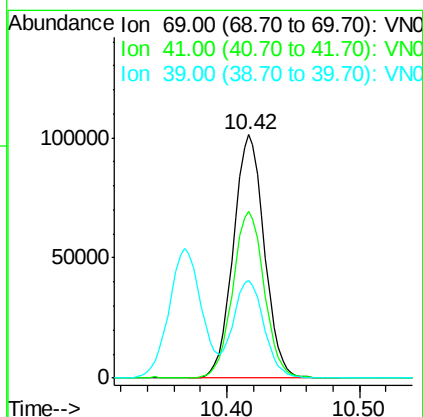
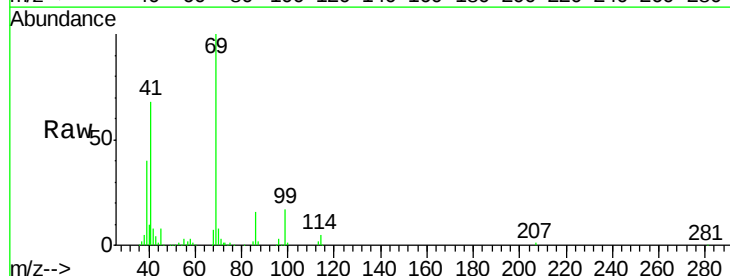
Manual Integrations
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 3/10/2020 10:45:49 AM



#56
 Ethyl methacrylate
 Concen: 49.35 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	164770		
41	68.9	54.1	81.1	
39	39.9	32.5	48.7	





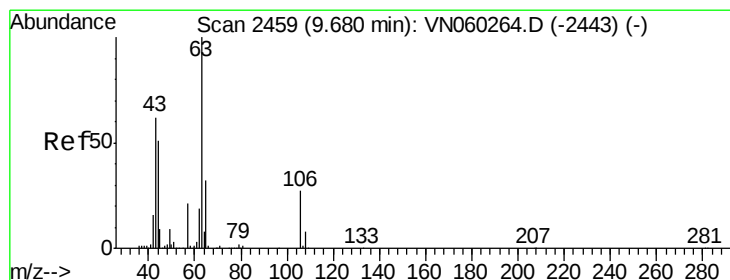
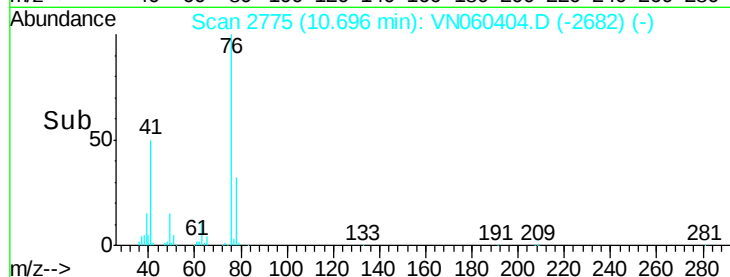
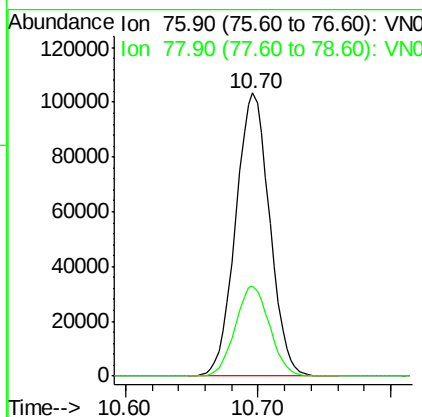
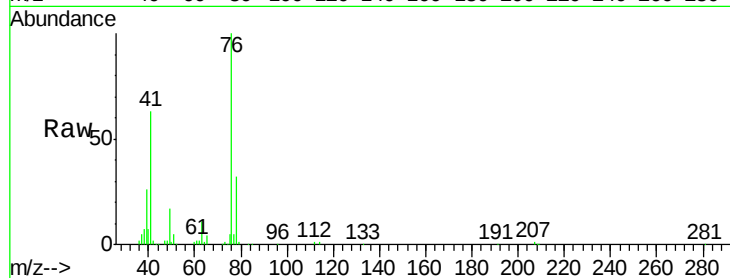
#57
 1,3-Dichloropropane
 Concen: 48.47 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 183693
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

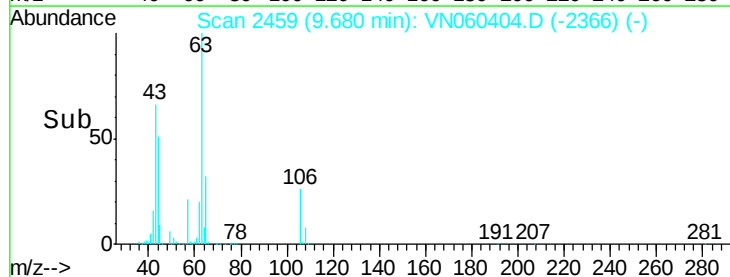
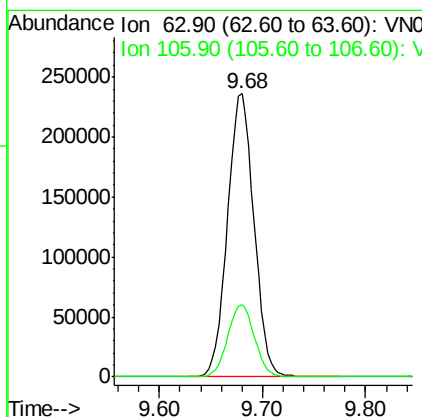
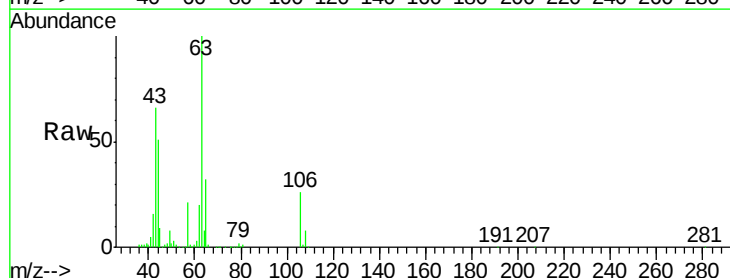
Manual Integrations
 APPROVED

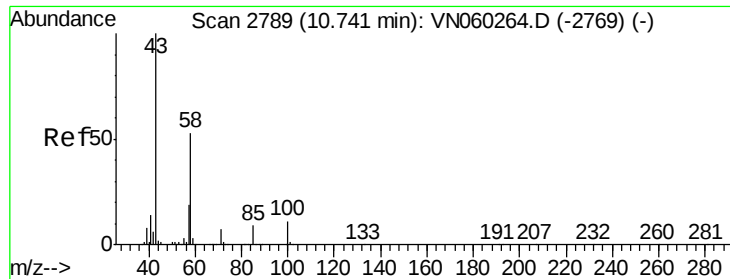
MMDadoda
 3/10/2020 10:45:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.34 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 63 Resp: 423201
 Ion Ratio Lower Upper
 63 100
 106 25.8 21.1 31.7





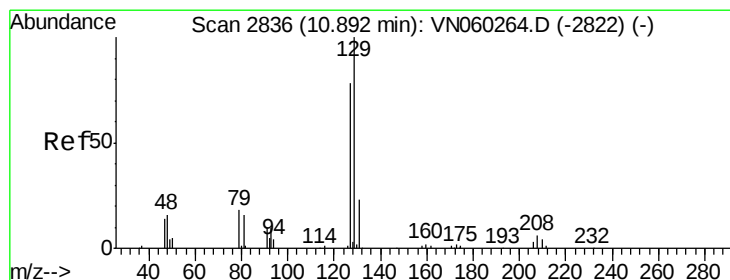
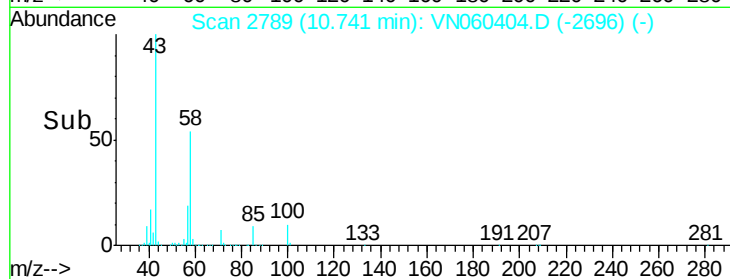
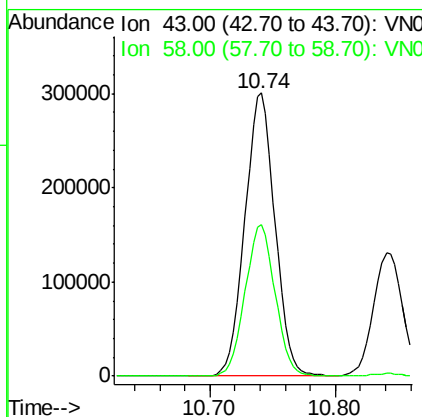
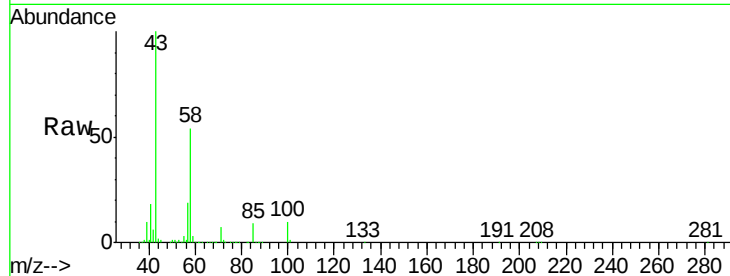
#59
2-Hexanone
Concen: 230.07 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 501846
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5

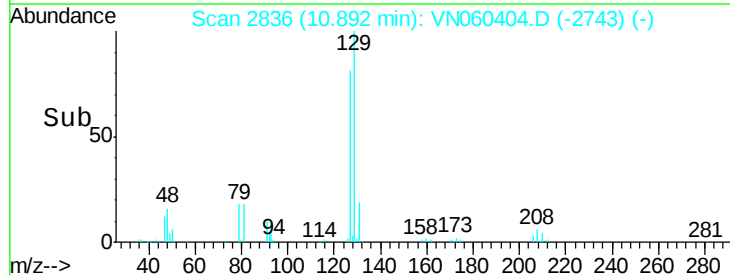
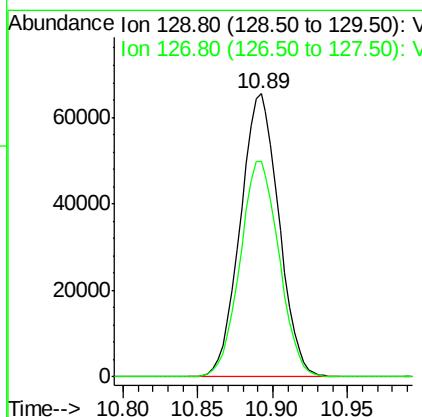
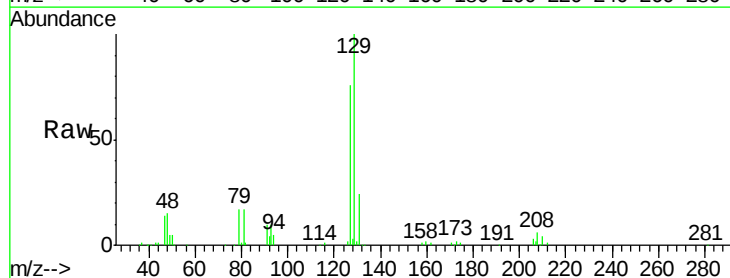
Manual Integrations
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MMDadoda
3/10/2020 10:45:49 AM



#60
Dibromochloromethane
Concen: 49.68 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 129 Resp: 117422
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





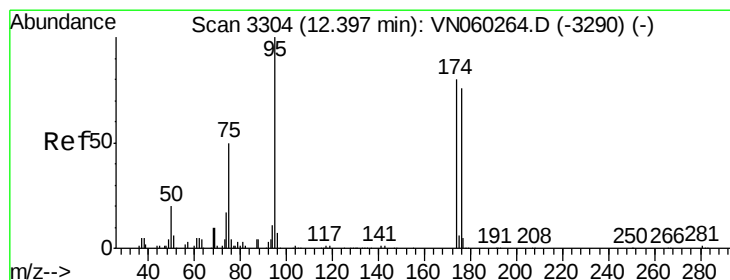
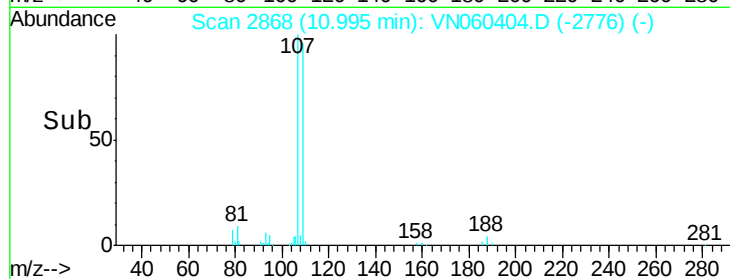
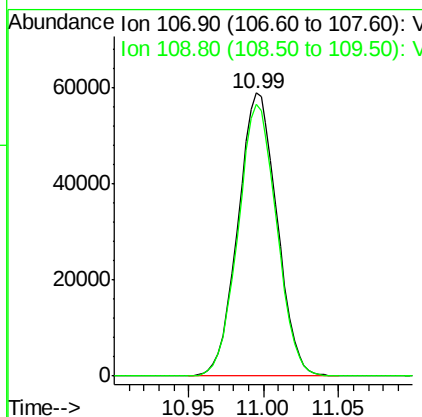
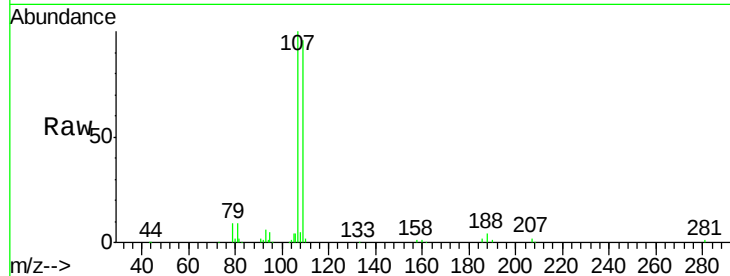
#61
 1,2-Dibromoethane
 Concen: 46.96 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 106392
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.8 115.2

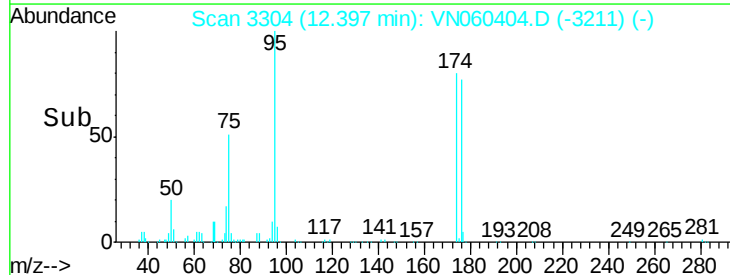
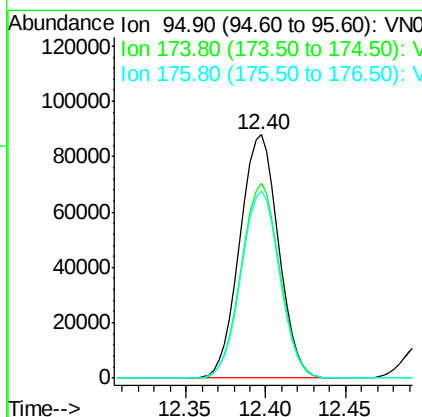
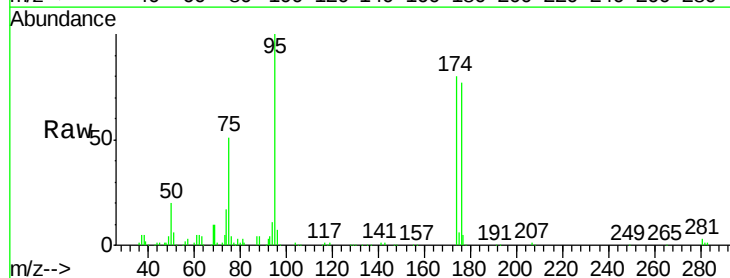
Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:45:49 AM



#62
 4-Bromofluorobenzene
 Concen: 49.05 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 95 Resp: 144871
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 159.2
 176 76.4 0.0 153.8





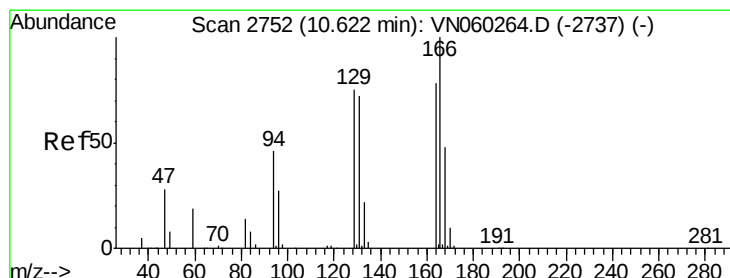
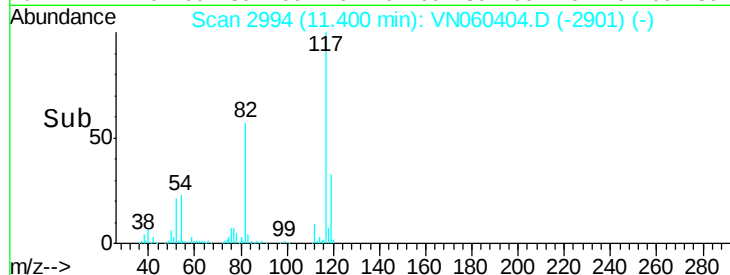
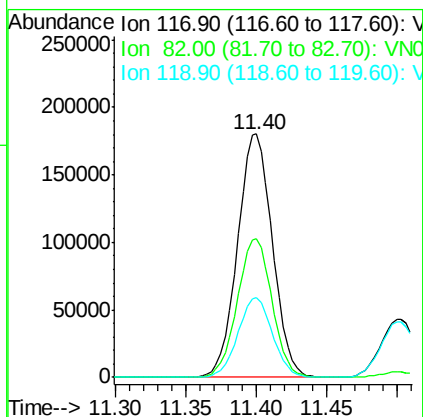
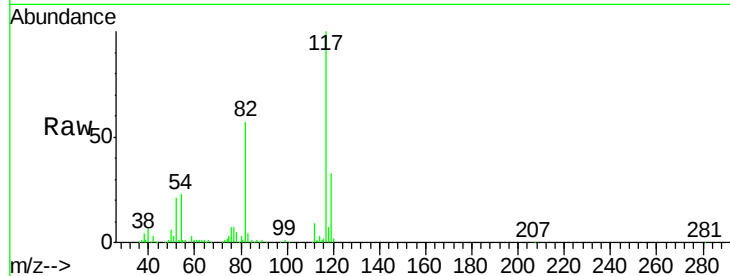
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	311899		
82	56.8	45.8	68.6	
119	32.6	25.8	38.8	

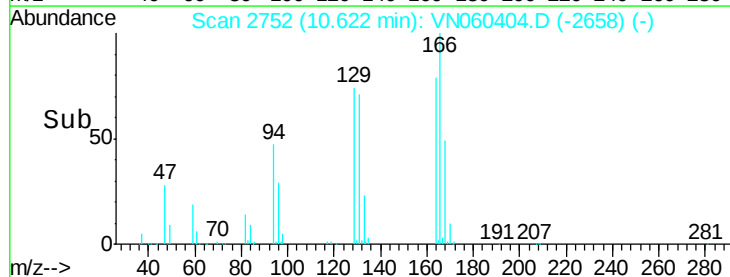
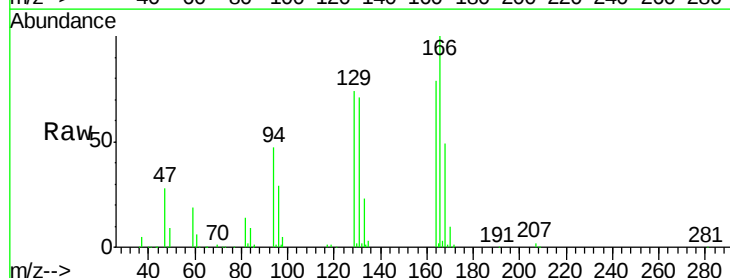
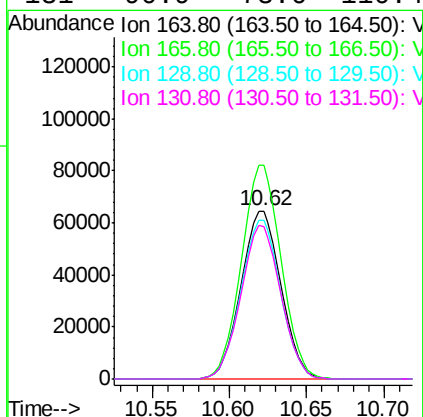
Manual Integrations
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3/10/2020 10:45:49 AM



#64
Tetrachloroethene
Concen: 47.12 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115907		
166	127.2	102.0	153.0	
129	94.4	76.4	114.6	
131	90.9	73.6	110.4	





#65

Chlorobenzene

Concen: 44.97 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 283199

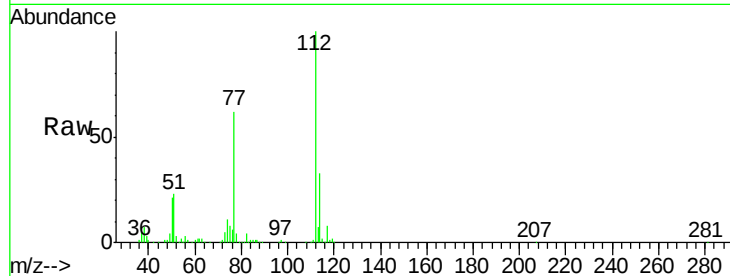
Ion Ratio Lower Upper

112 100

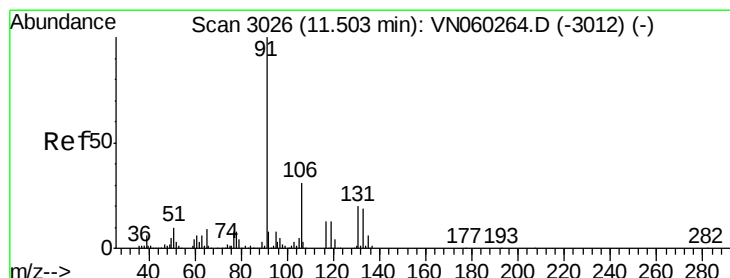
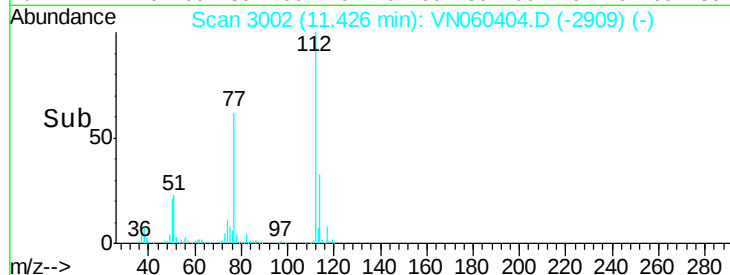
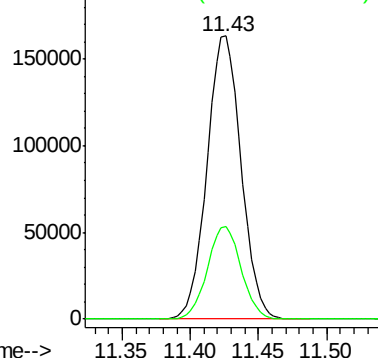
114 32.6 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.00 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

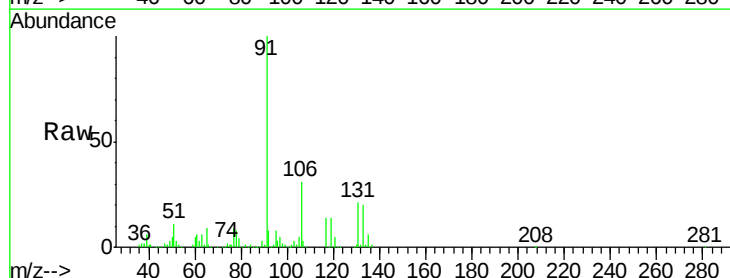
Tgt Ion:131 Resp: 109452

Ion Ratio Lower Upper

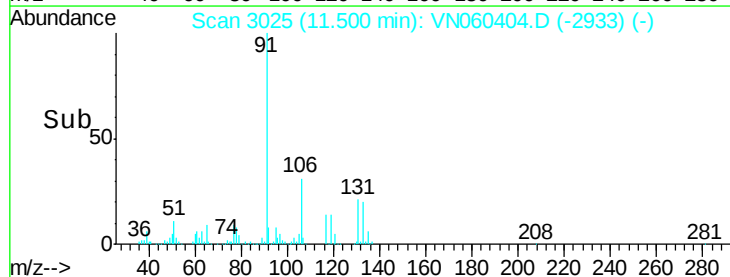
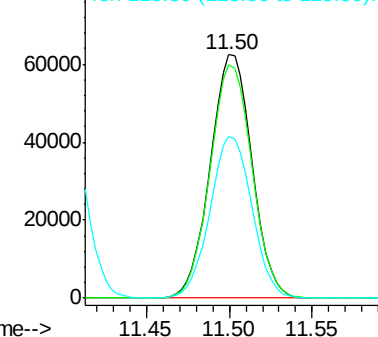
131 100

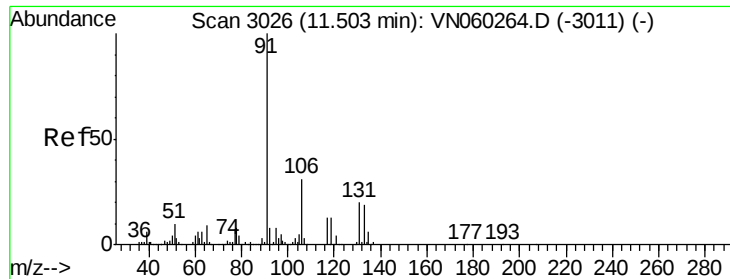
133 96.8 47.7 143.1

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





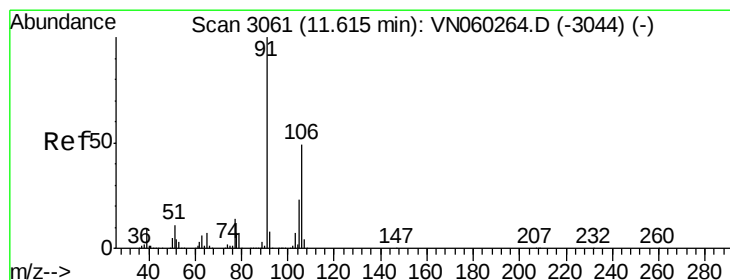
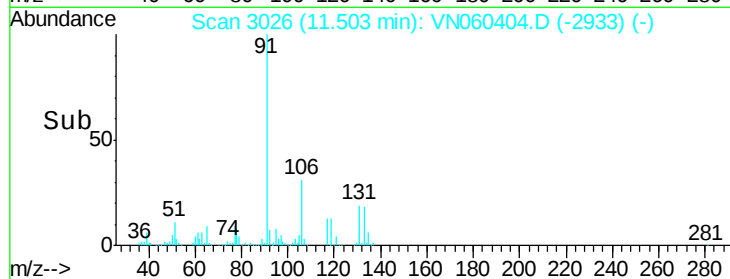
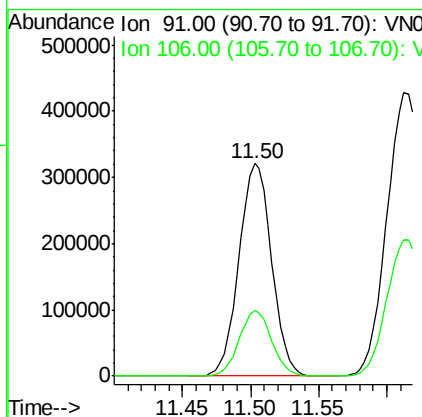
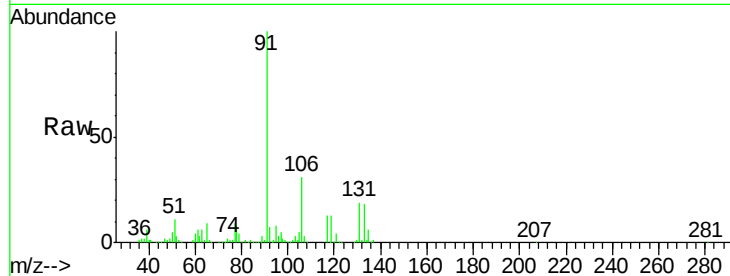
#67
Ethyl Benzene
Concen: 46.35 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 531545
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1

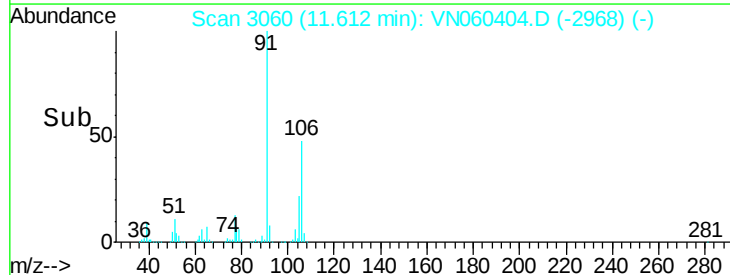
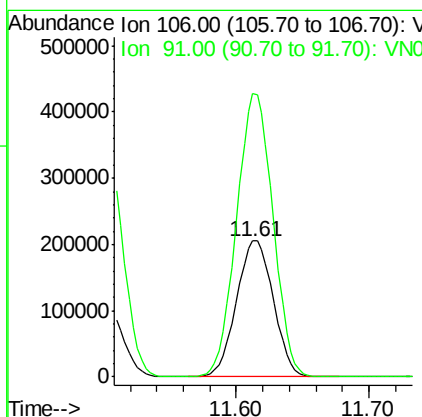
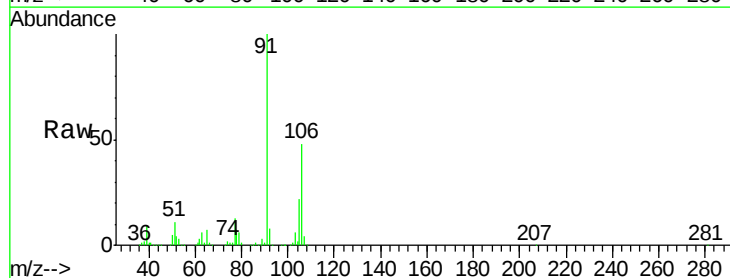
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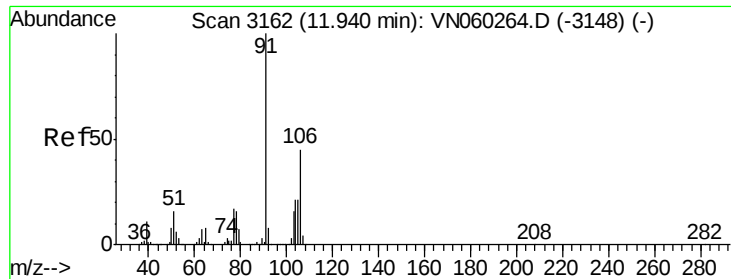
MMDadoda
3/10/2020 10:45:49 AM



#68
m/p-Xylenes
Concen: 91.51 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 106 Resp: 395968
Ion Ratio Lower Upper
106 100
91 205.9 164.5 246.7





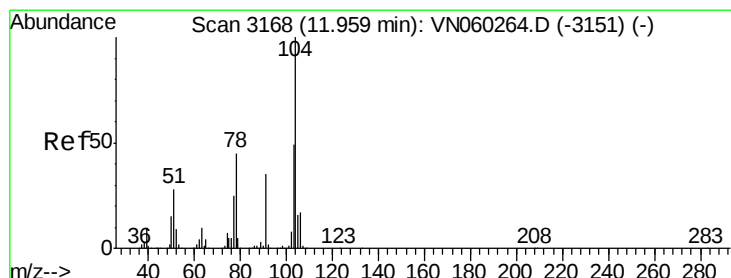
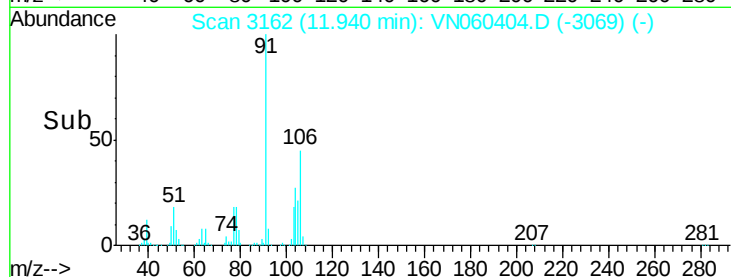
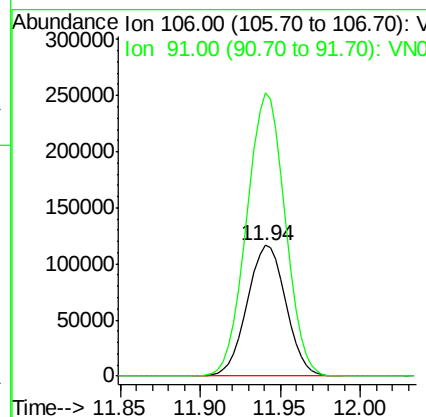
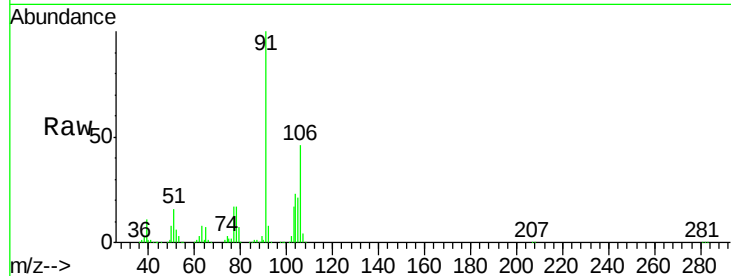
#69
o-Xylene
Concen: 46.74 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 192871
Ion Ratio Lower Upper
106 100
91 214.5 109.5 328.4

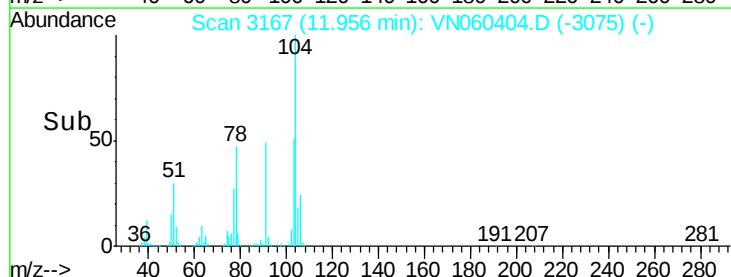
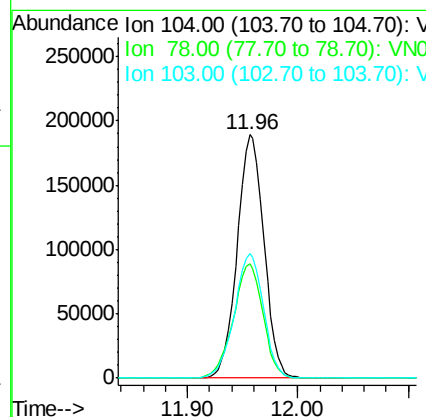
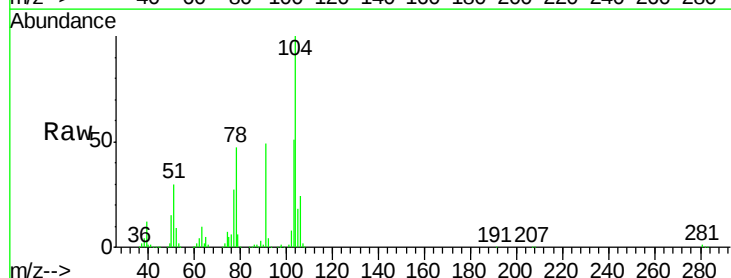
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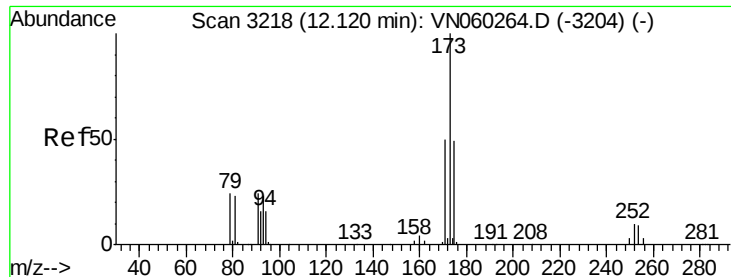
MMDadoda
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#70
Styrene
Concen: 47.05 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion:104 Resp: 319173
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.4 43.9 65.9





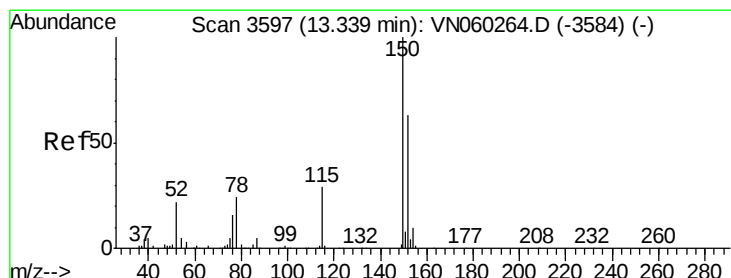
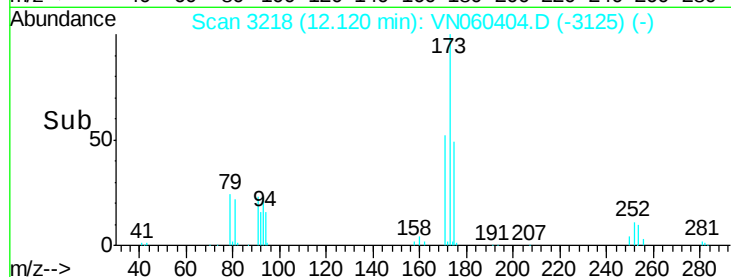
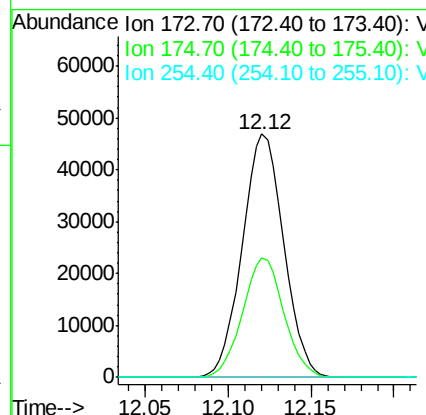
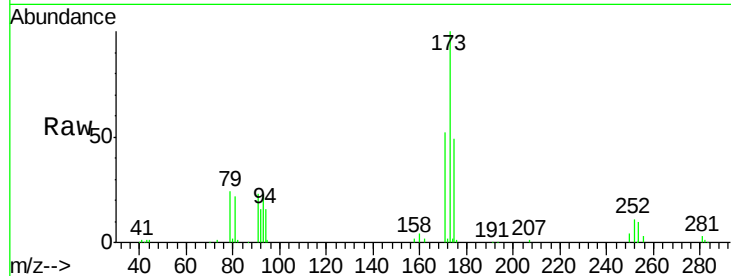
#71
Bromoform
Concen: 48.60 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.2
254	0.0	0.0	0.0

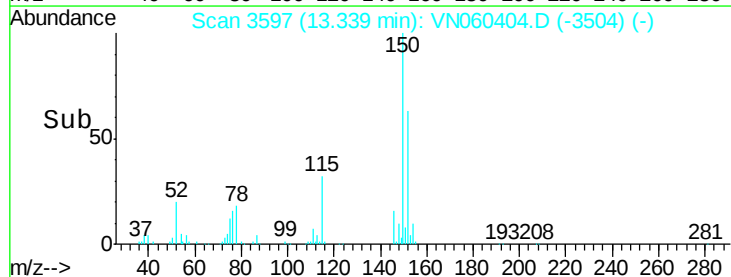
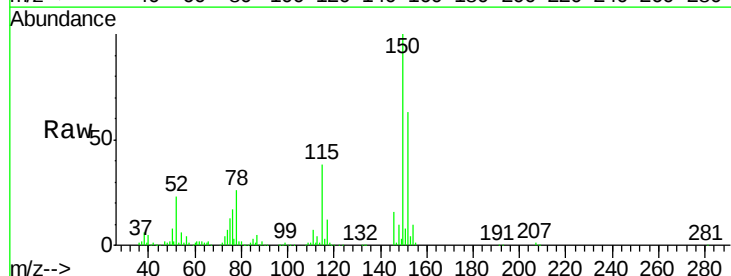
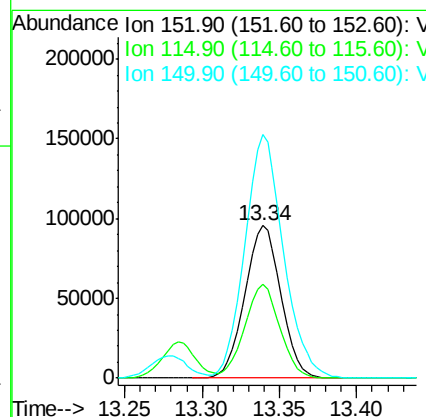
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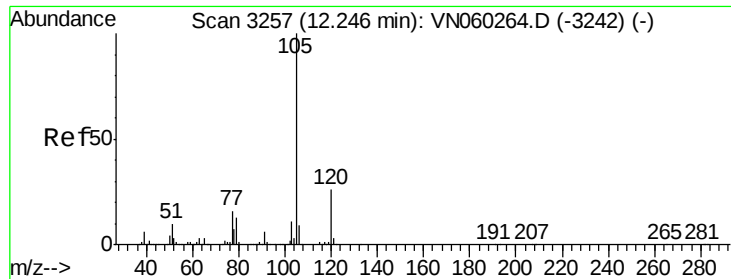
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	171.6	0.0	349.6





#73

Isopropylbenzene

Concen: 45.60 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 523126

Ion Ratio Lower Upper

105 100

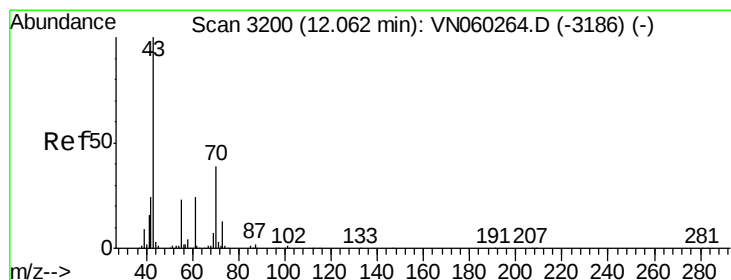
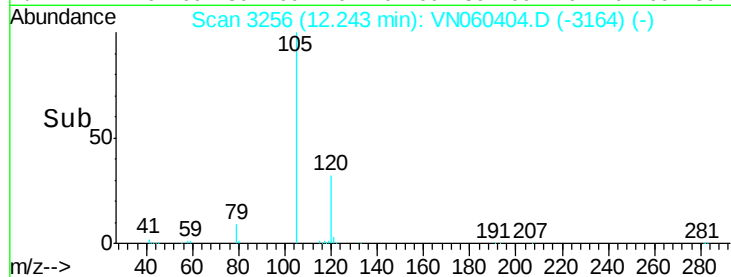
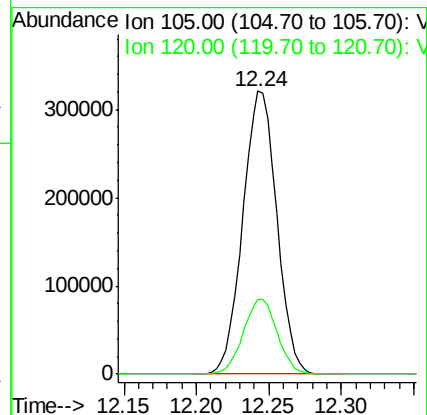
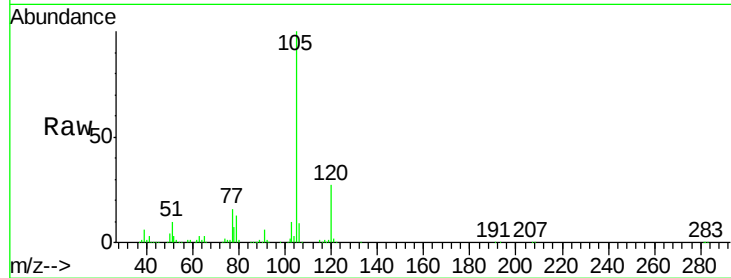
120 26.3 13.0 38.9

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#74

N-ethyl acetate

Concen: 45.06 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion: 43 Resp: 225883

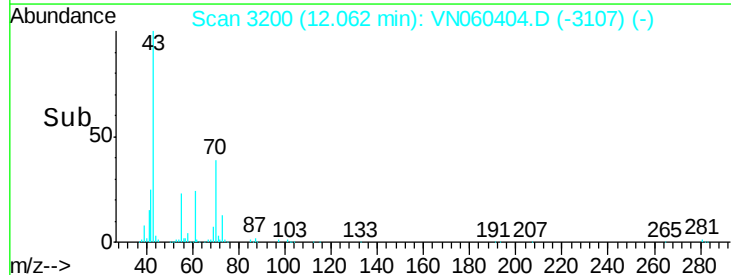
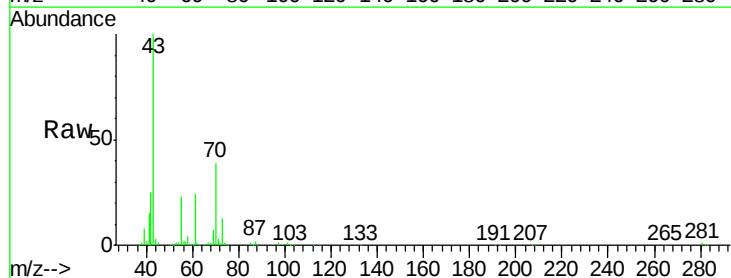
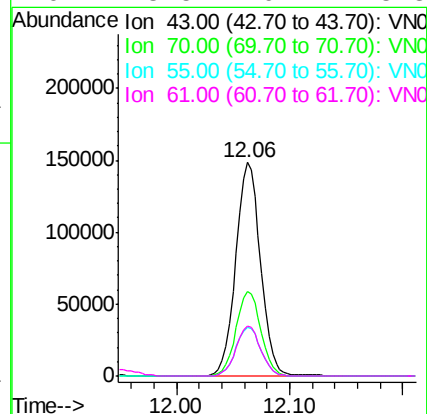
Ion Ratio Lower Upper

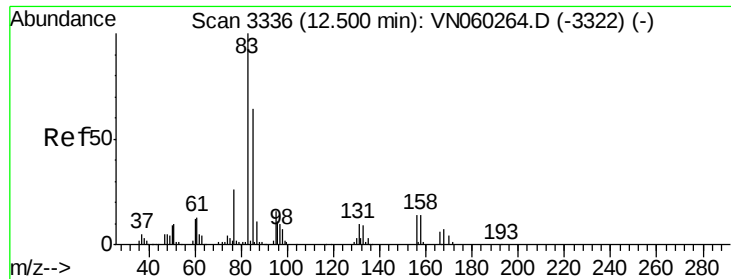
43 100

70 39.9 32.2 48.2

55 23.2 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.50 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 148127
Ion Ratio Lower Upper

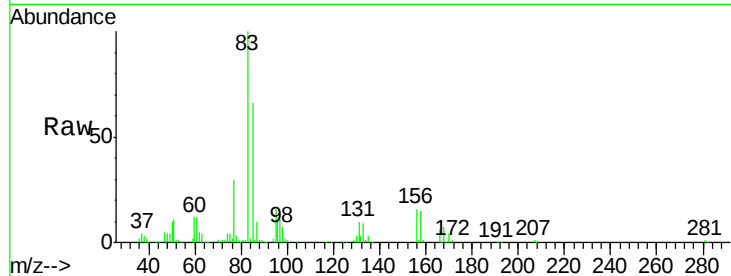
83 100

131 9.8 5.1 15.3

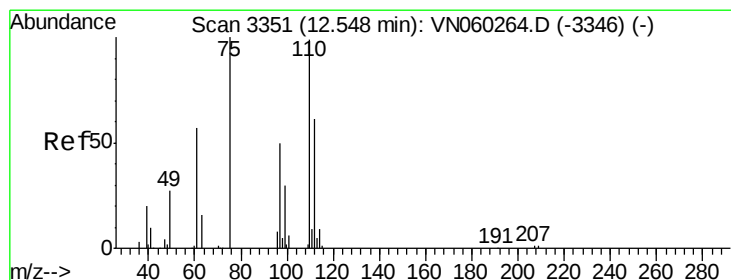
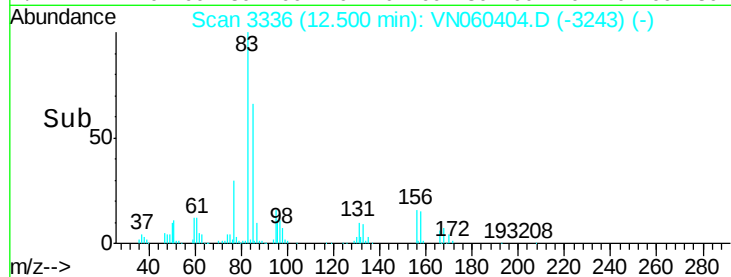
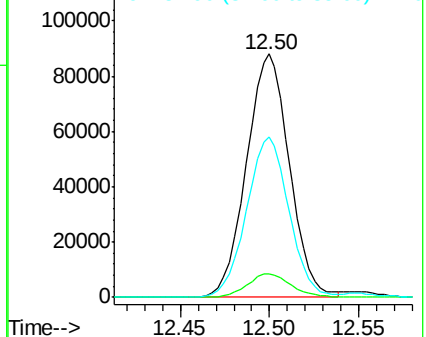
85 65.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 39.81 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

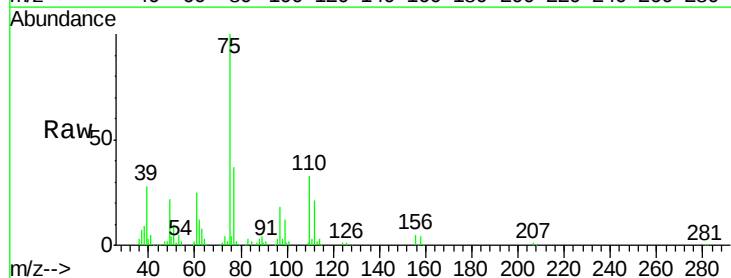
Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

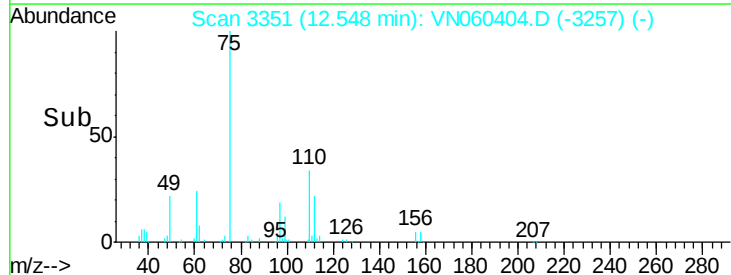
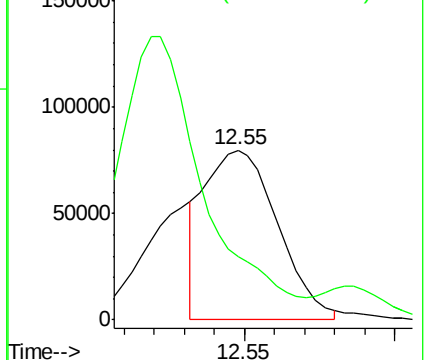
Tgt Ion: 75 Resp: 135205
Ion Ratio Lower Upper

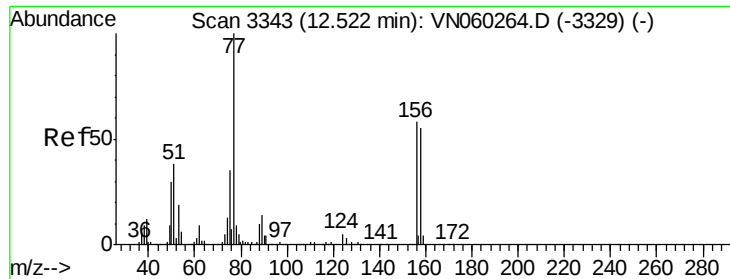
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





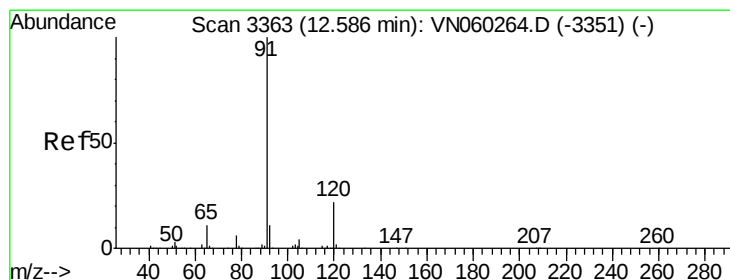
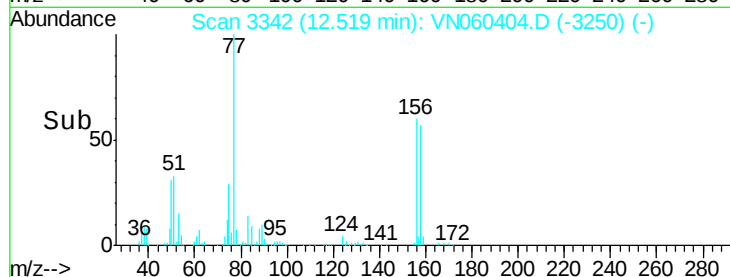
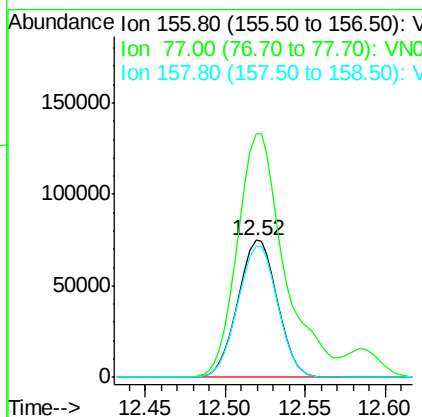
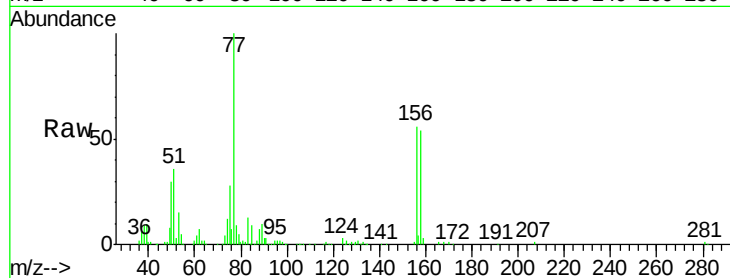
#77
Bromobenzene
Concen: 44.87 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	212.7	106.1	318.3
158	96.3	48.3	144.8

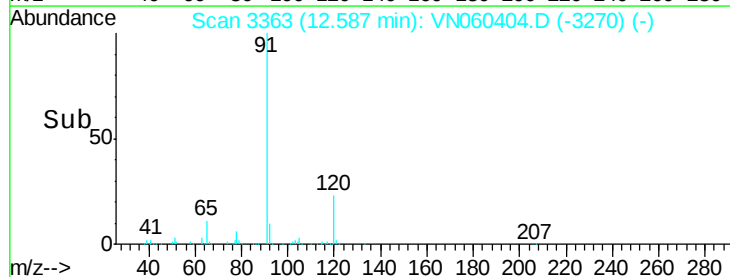
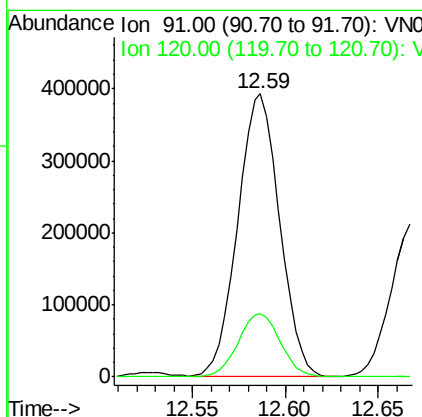
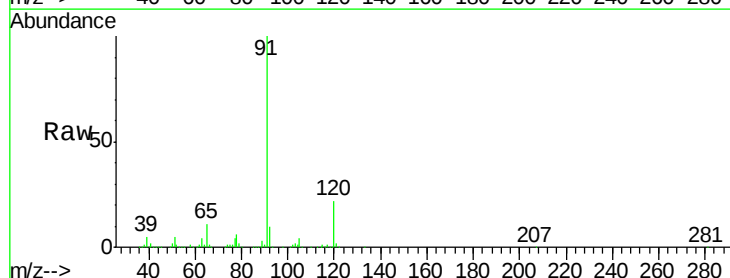
Manual Integrations
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3/10/2020 10:45:49 AM



#78
n-propylbenzene
Concen: 45.63 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





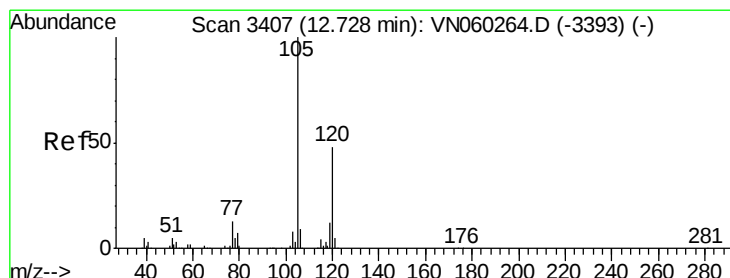
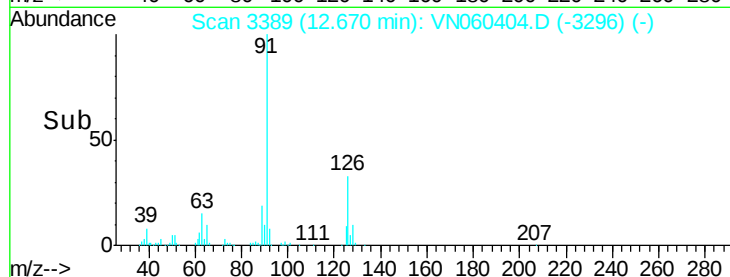
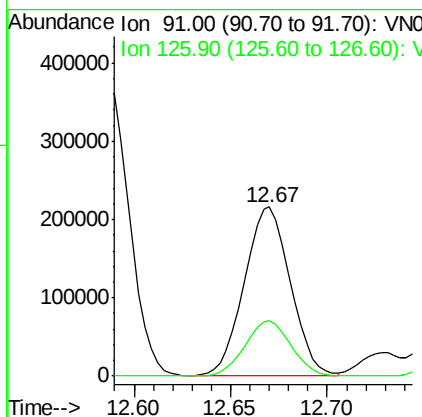
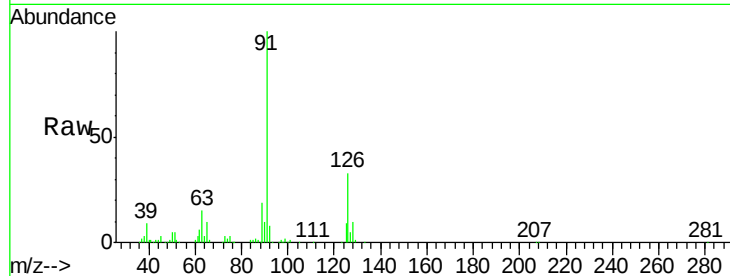
#79
 2-Chlorotoluene
 Concen: 45.15 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 356895
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

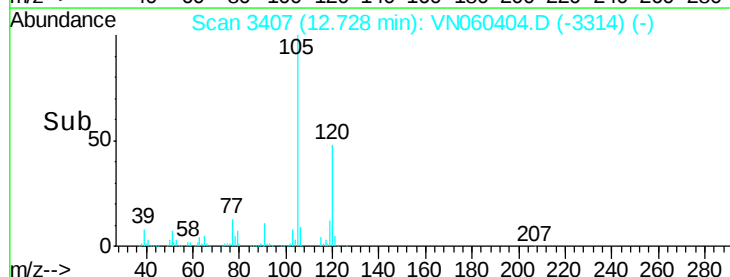
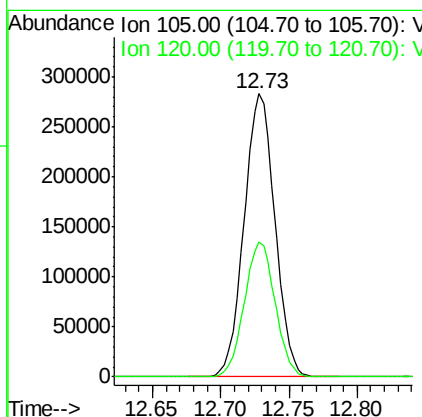
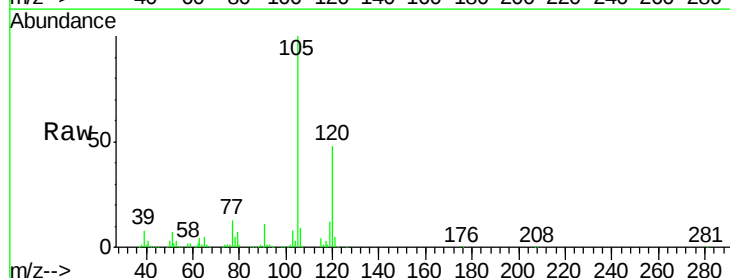
Manual Integrations
 APPROVED

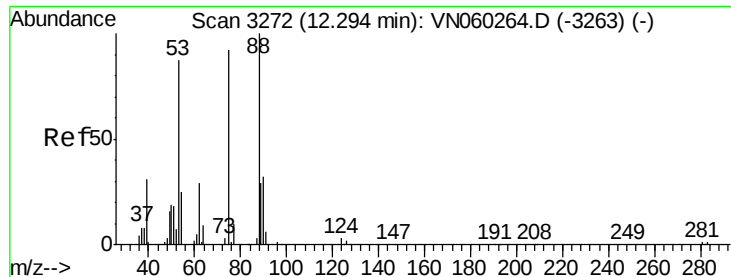
MMDadoda
 3/10/2020 10:45:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.86 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 105 Resp: 442974
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.4





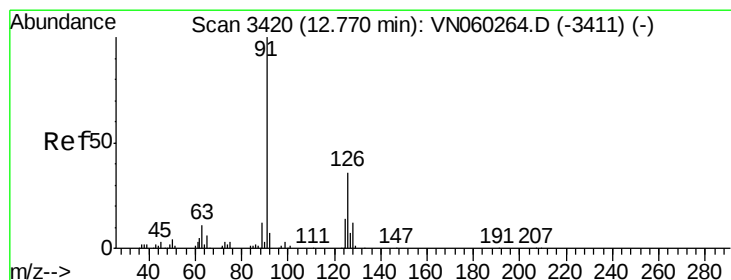
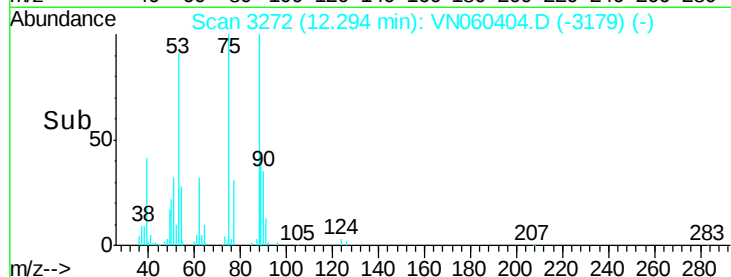
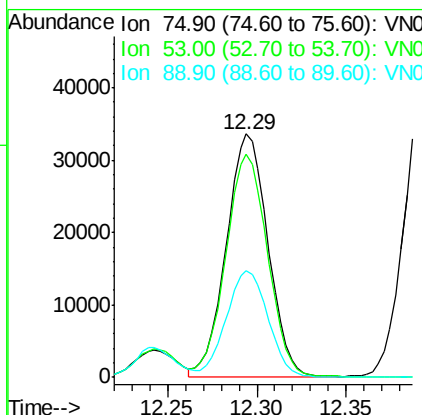
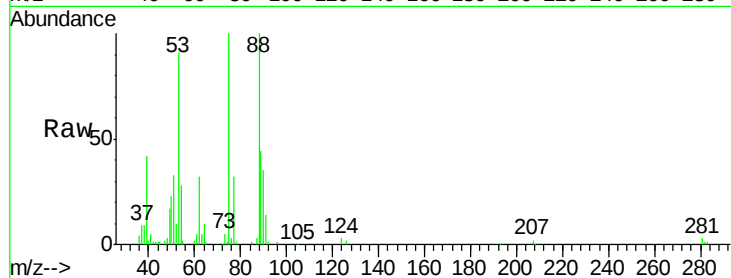
#81
trans-1,4-Dichloro-2-butene
Concen: 44.41 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.8	110.6
89	44.0	57.1	85.7#

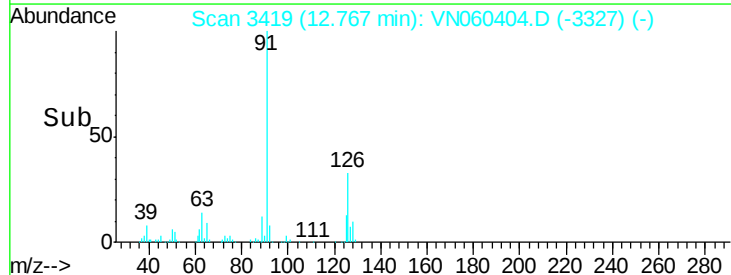
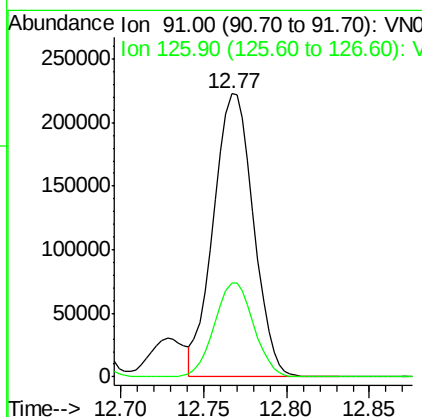
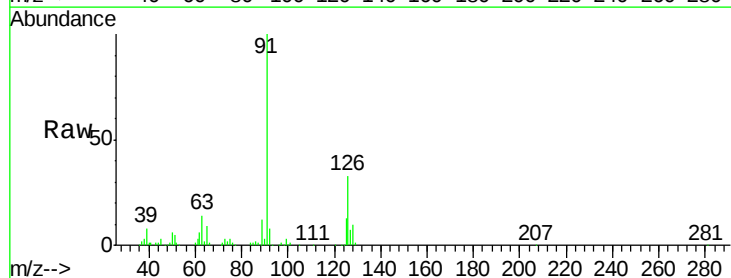
Manual Integrations
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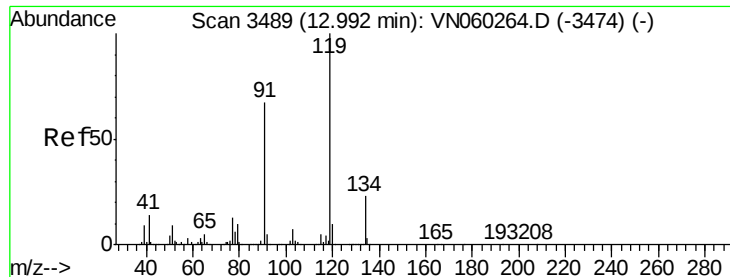
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#82
4-Chlorotoluene
Concen: 44.78 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.1





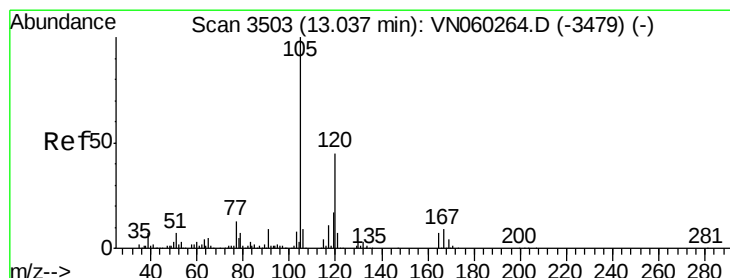
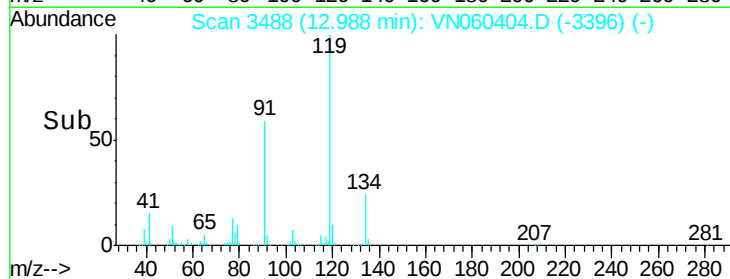
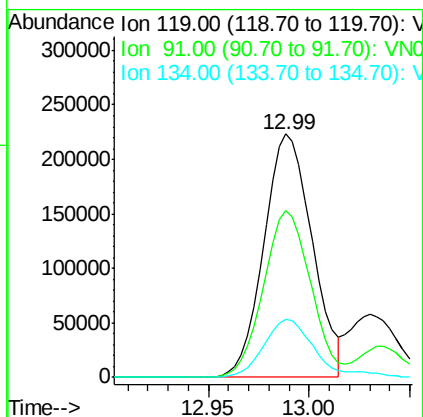
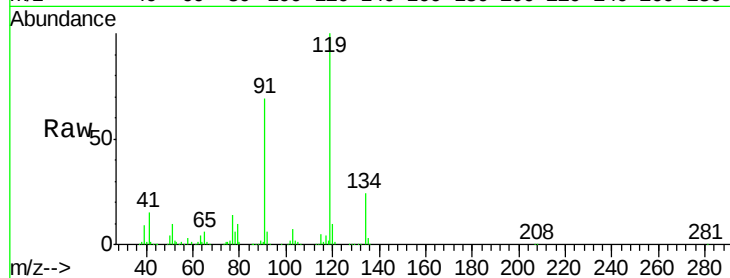
#83
 tert-Butylbenzene
 Concen: 44.42 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.1	99.2
134	25.4	12.4	37.0

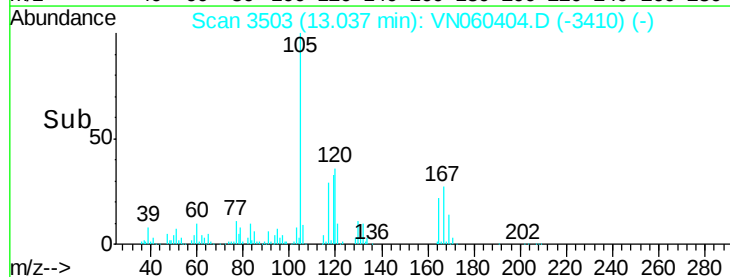
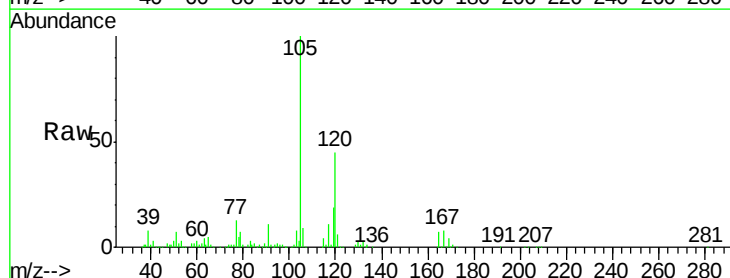
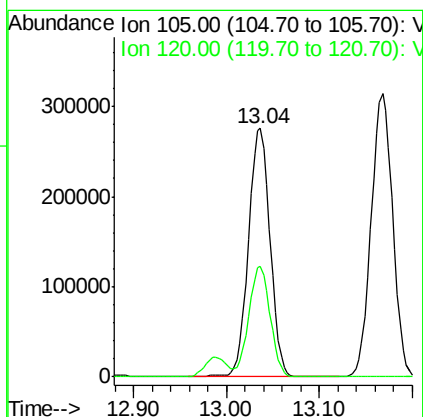
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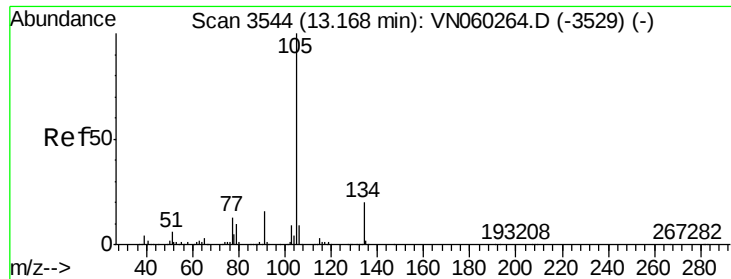
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.61 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9





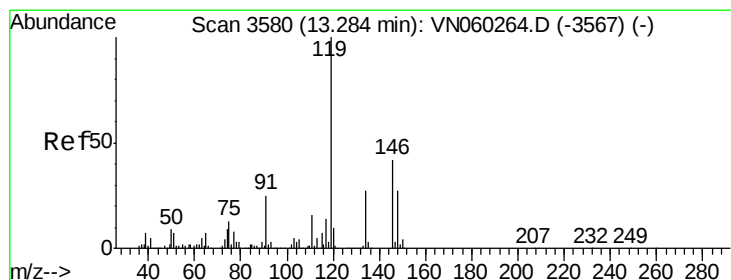
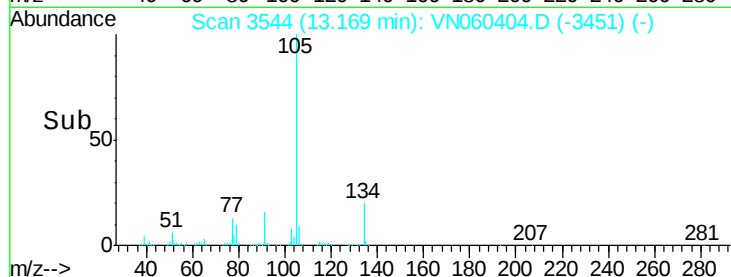
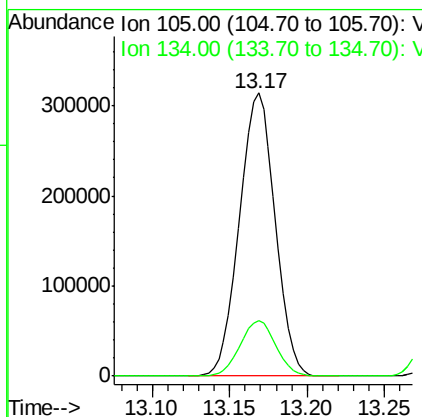
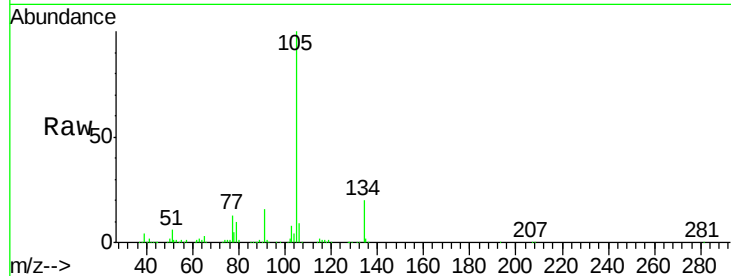
#85
 sec-Butylbenzene
 Concen: 45.00 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	503991		
134	19.6	9.8	29.5	

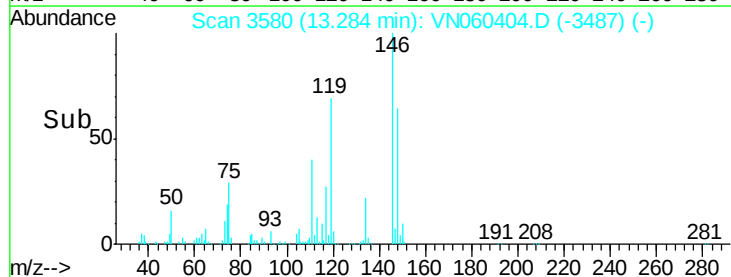
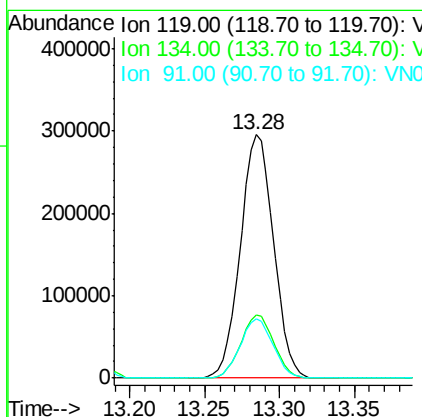
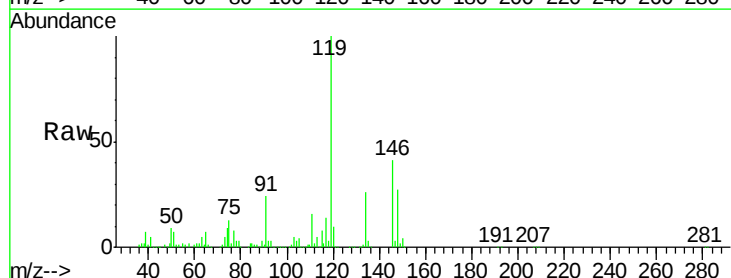
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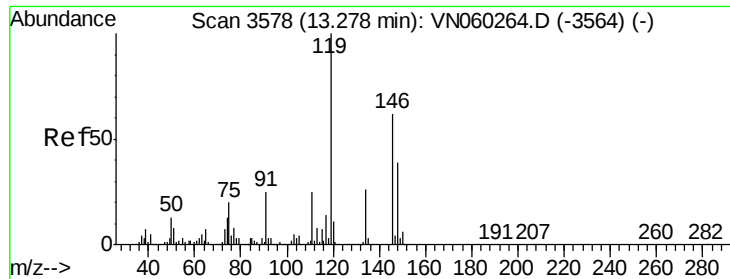
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#86
 p-Isopropyltoluene
 Concen: 43.91 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	455150		
134	26.0	13.2	39.6	
91	24.3	12.2	36.6	





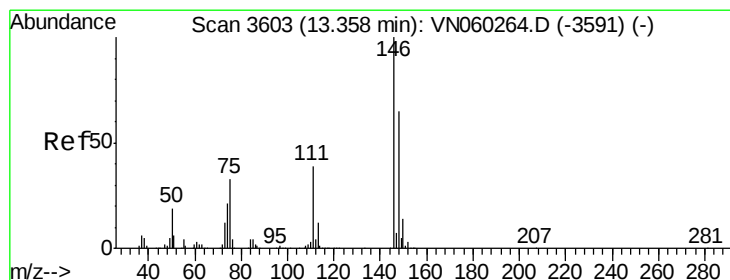
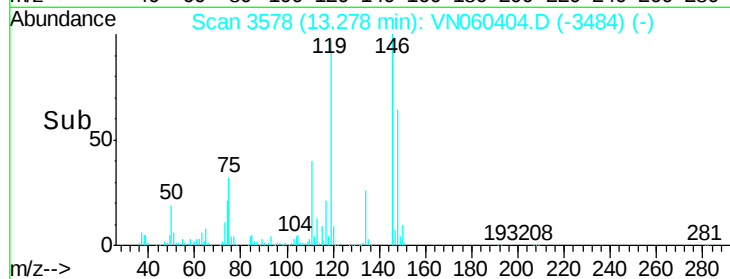
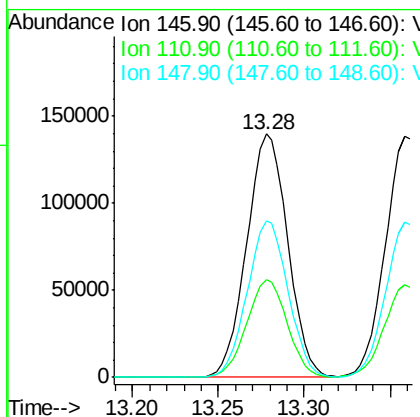
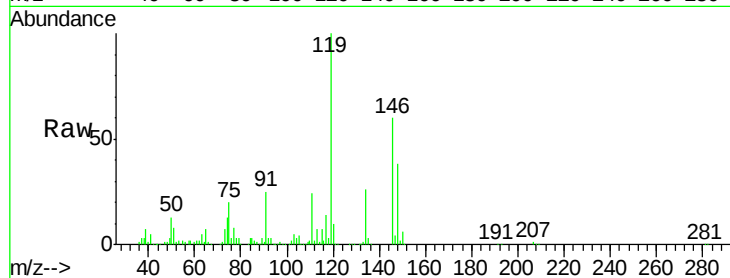
#87
 1,3-Dichlorobenzene
 Concen: 47.77 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	230871		
111	39.8	20.0	59.9	
148	63.9	32.1	96.3	

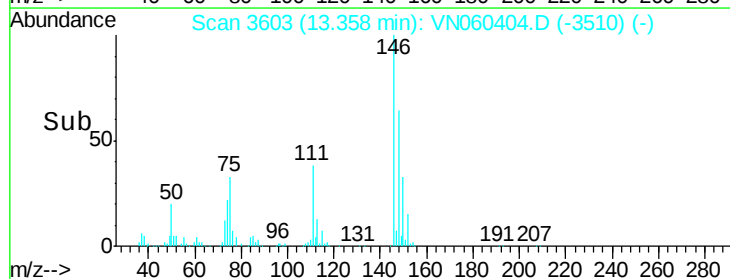
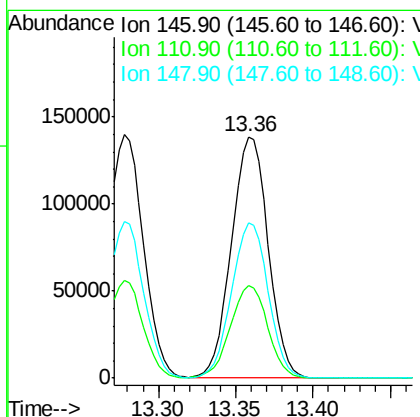
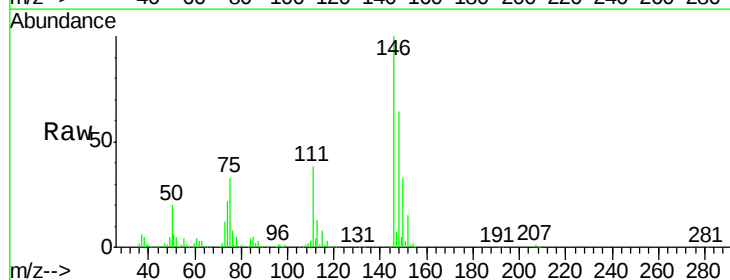
Manual Integrations
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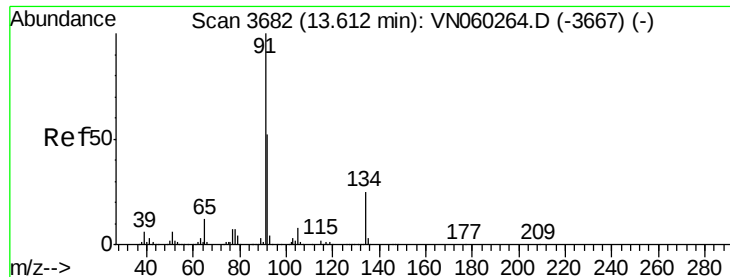
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#88
 1,4-Dichlorobenzene
 Concen: 47.49 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	228249		
111	38.9	19.8	59.4	
148	64.1	32.3	96.9	





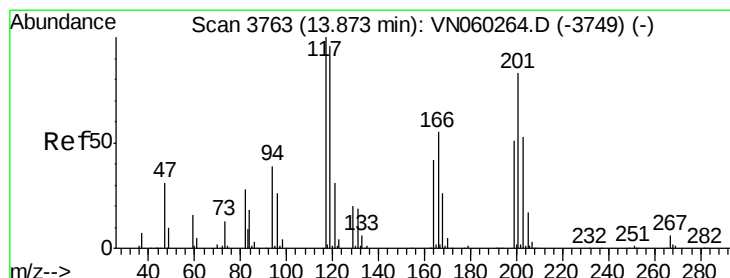
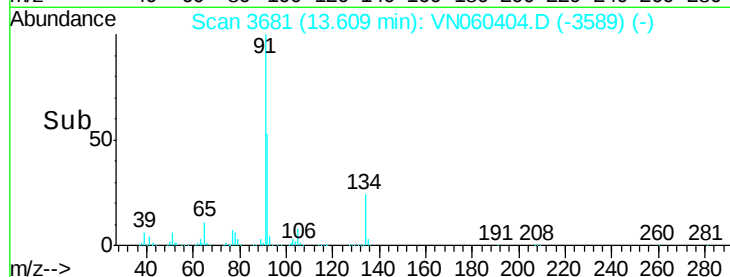
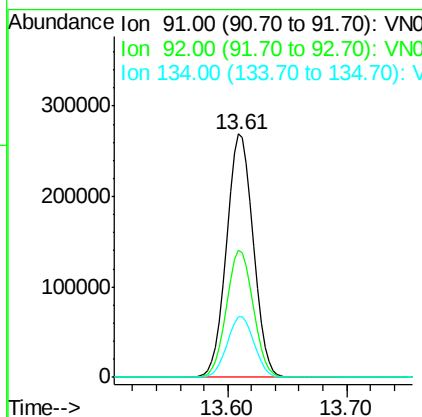
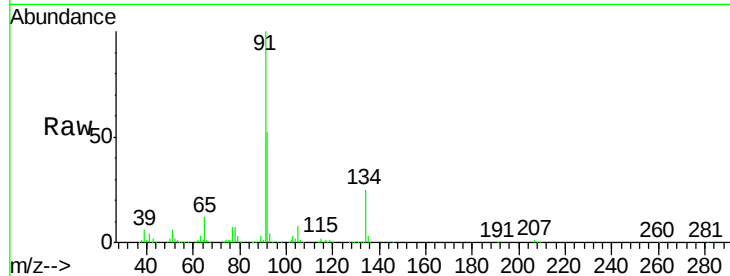
#89
n-Butylbenzene
Concen: 43.96 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	25.3	12.7	38.1

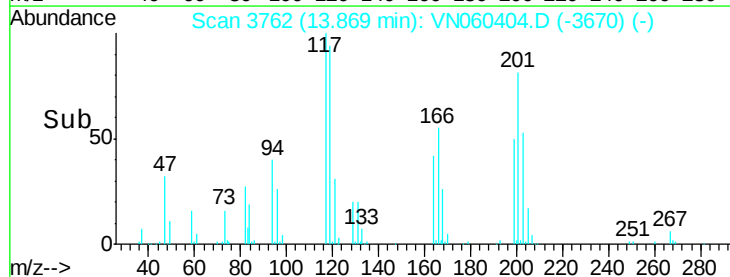
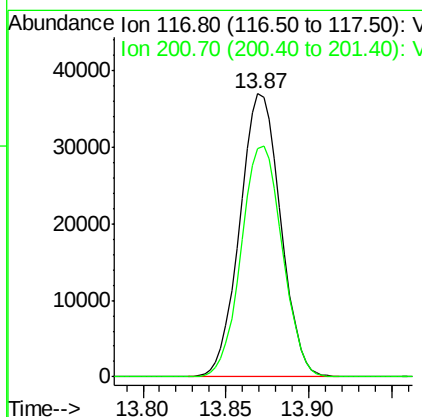
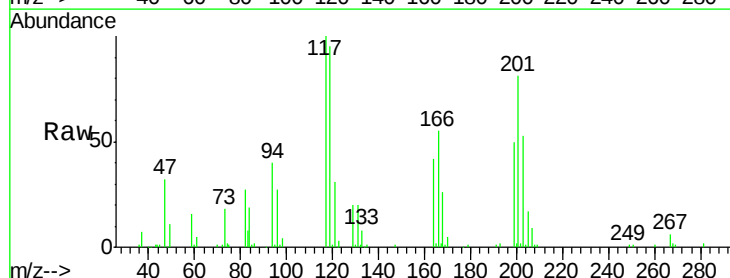
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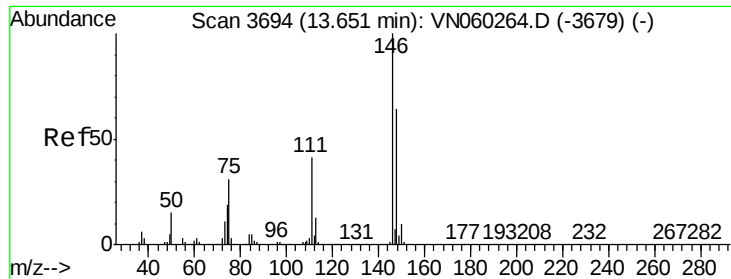
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#90
Hexachloroethane
Concen: 42.16 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.0	123.0





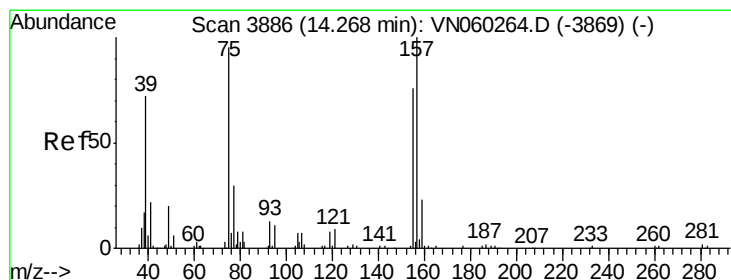
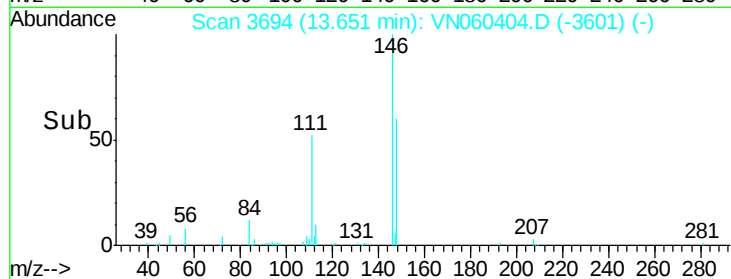
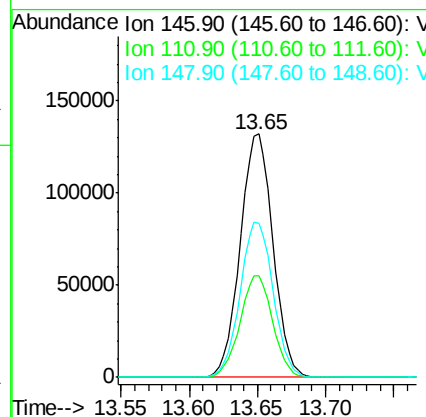
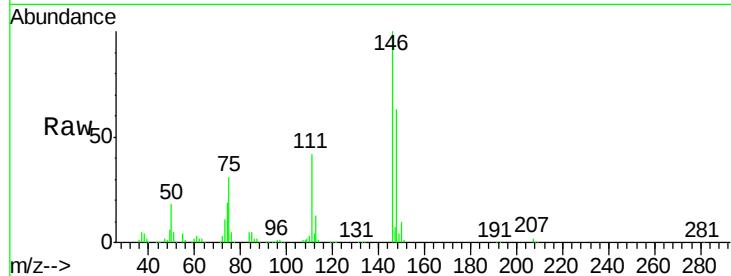
#91
 1,2-Dichlorobenzene
 Concen: 44.66 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220087		
111	41.7	20.3	61.0	
148	64.3	31.8	95.3	

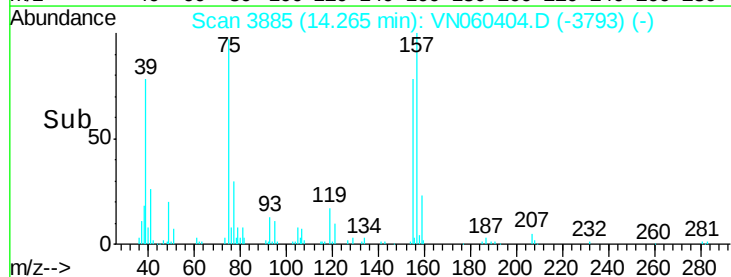
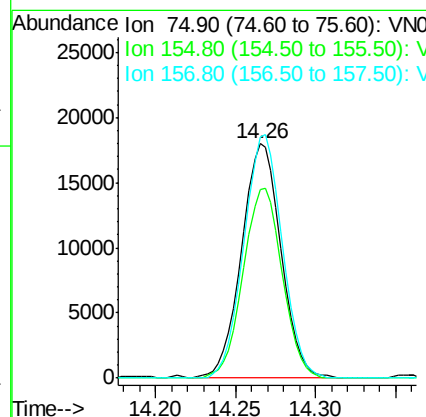
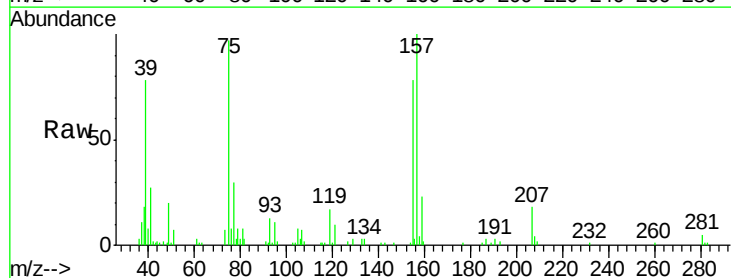
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.89 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30291		
155	79.8	40.4	121.2	
157	101.1	52.5	157.5	





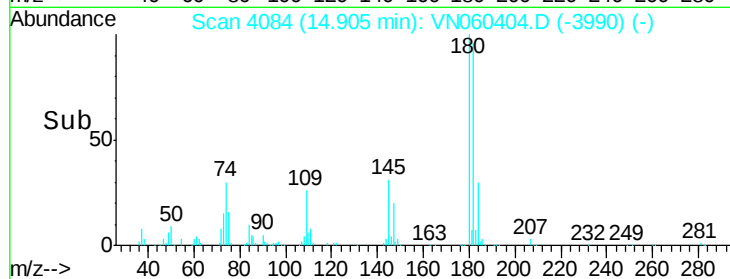
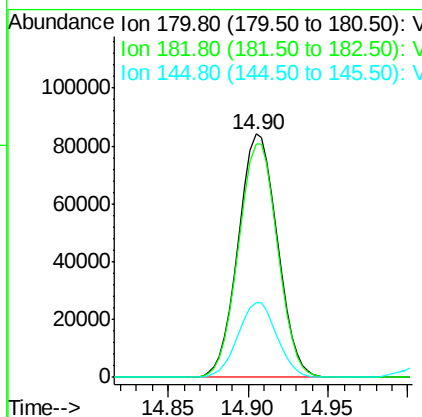
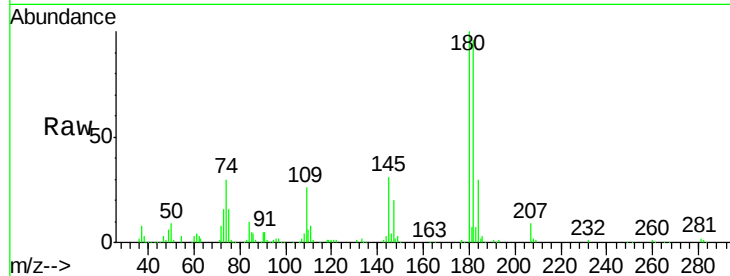
#93
 1,2,4-Trichlorobenzene
 Concen: 44.79 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	140224		
182	96.1	47.8	143.3	
145	30.7	15.4	46.1	

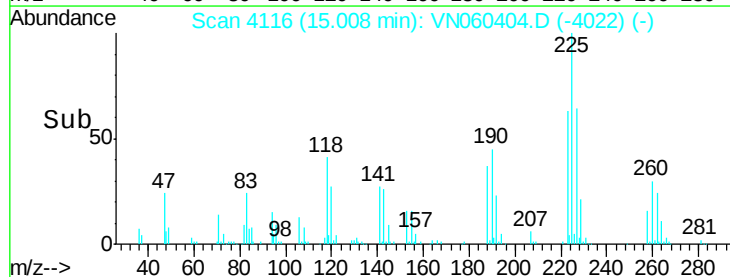
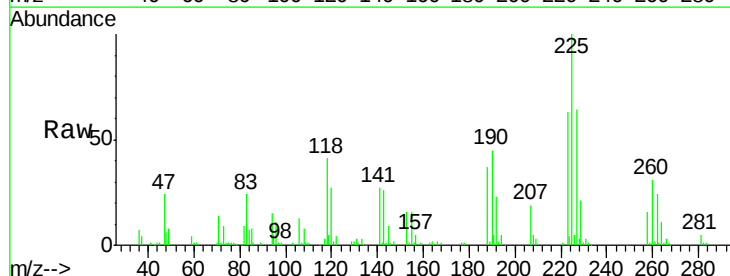
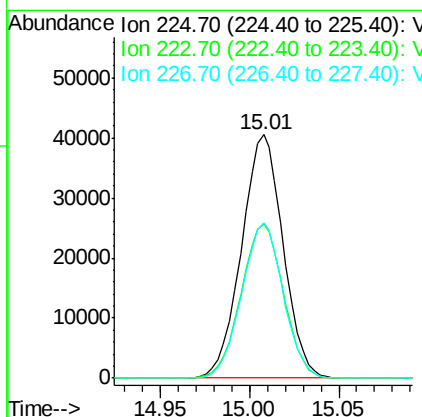
Manual Integrations
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 3/10/2020 10:45:49 AM



#94
 Hexachlorobutadiene
 Concen: 45.71 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65858		
223	64.6	31.3	93.9	
227	63.5	32.3	96.9	





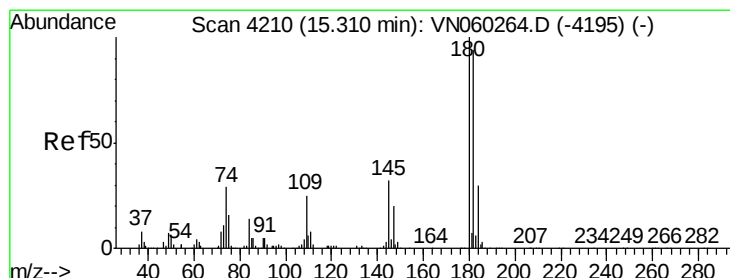
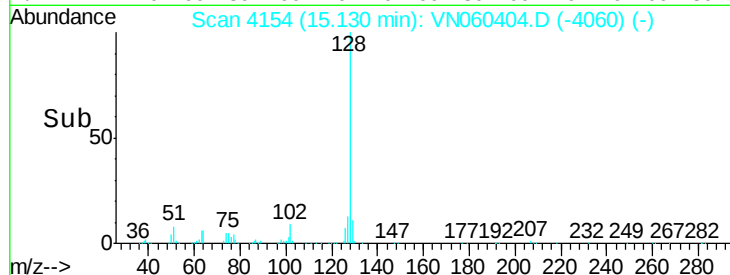
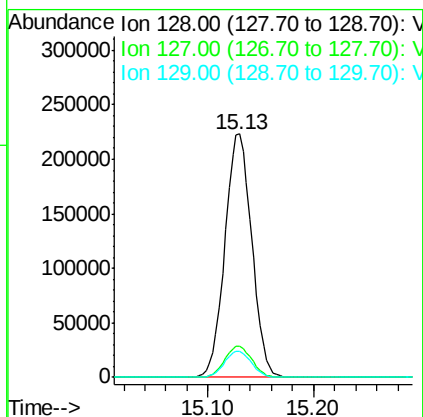
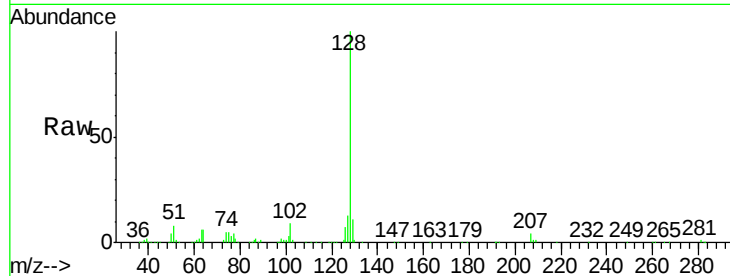
#95
Naphthalene
Concen: 42.46 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	391954		
127	12.9	10.4	15.6	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/10/2020 10:45:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.74 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129049		
182	95.9	47.3	142.0	
145	32.8	16.2	48.5	

