

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057703.D
 Acq On : 5 Sep 2019 18:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:23 PM

Quant Time: Sep 06 03:39:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	199189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	338068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	303094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	25611	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
35) Dibromofluoromethane	7.58	113	15856	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.09	98	54653	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	24246	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	15612	4.981	ug/l	98
3) Chloromethane	2.04	50	26949	8.321	ug/l	97
4) Vinyl Chloride	2.17	62	14597	5.494	ug/l	99
5) Bromomethane	2.53	94	6664m	4.464	ug/l	
6) Chloroethane	2.68	64	8018	4.494	ug/l	99
7) Trichlorofluoromethane	3.00	101	21635	4.463	ug/l	98
8) Diethyl Ether	3.39	74	8952	5.281	ug/l #	48
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14405	5.349	ug/l	98
10) Methyl Iodide	3.93	142	10783	3.468	ug/l	99
11) Tert butyl alcohol	4.76	59	14536	28.903	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	13180	5.646	ug/l	94
13) Acrolein	3.59	56	7197	27.415	ug/l	90
14) Allyl chloride	4.30	41	28139	5.293	ug/l	98
15) Acrylonitrile	4.96	53	36218	28.057	ug/l	95
16) Acetone	3.80	43	36683	23.698	ug/l	95
17) Carbon Disulfide	4.03	76	26476	4.847	ug/l #	95
18) Methyl Acetate	4.31	43	22028	5.451	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	54249	5.565	ug/l	99
20) Methylene Chloride	4.53	84	16689	5.579	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	13138	5.208	ug/l	92
22) Diisopropyl ether	5.93	45	61509	5.413	ug/l	95
23) Vinyl Acetate	5.87	43	239206	27.972	ug/l	99
24) 1,1-Dichloroethane	5.82	63	30569	5.319	ug/l	99
25) 2-Butanone	6.82	43	55666	27.211	ug/l	99
26) 2,2-Dichloropropane	6.80	77	26356	5.203	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	16829	5.545	ug/l	99
28) Bromochloromethane	7.18	49	16840m	5.588	ug/l	
29) Tetrahydrofuran	7.19	42	35644	28.582	ug/l	99
30) Chloroform	7.36	83	32454	5.317	ug/l	98
31) Cyclohexane	7.64	56	32303	6.387	ug/l #	84
32) 1,1,1-Trichloroethane	7.55	97	25459	5.027	ug/l	99
36) 1,1-Dichloropropene	7.78	75	21728	5.123	ug/l	98
37) Ethyl Acetate	6.91	43	23346	5.397	ug/l #	91
38) Carbon Tetrachloride	7.76	117	20105	4.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	23034	4.891	ug/l	97
40) Benzene	8.03	78	63257	5.127	ug/l	99
41) Methacrylonitrile	7.16	41	10339m	5.729	ug/l	
42) 1,2-Dichloroethane	8.11	62	31492	5.548	ug/l	98
43) Isopropyl Acetate	8.15	43	42182	5.308	ug/l	99
44) Trichloroethene	8.83	130	13524	4.580	ug/l	85
45) 1,2-Dichloropropane	9.11	63	18367	5.330	ug/l	96
46) Dibromomethane	9.20	93	10893	4.853	ug/l	98
47) Bromodichloromethane	9.40	83	21773	4.689	ug/l	97
48) Methyl methacrylate	9.19	41	21040	5.484	ug/l	99
49) 1,4-Dioxane	9.19	88	4996	91.970	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	119458	27.239	ug/l	99
52) Toluene	10.15	92	38378	5.022	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	21591	4.547	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	24664	4.761	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16323	5.362	ug/l	96
56) Ethyl methacrylate	10.43	69	24737	5.286	ug/l	97
57) 1,3-Dichloropropane	10.70	76	28782	5.357	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	61972	37.268	ug/l	97
59) 2-Hexanone	10.75	43	83131	27.040	ug/l	97
60) Dibromochloromethane	10.90	129	13020	4.358	ug/l	100
61) 1,2-Dibromoethane	11.00	107	15066	5.054	ug/l	96
64) Tetrachloroethene	10.63	164	11449	4.365	ug/l	92
65) Chlorobenzene	11.43	112	39815	5.180	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	12474	4.465	ug/l	98
67) Ethyl Benzene	11.51	91	77219	5.262	ug/l	99
68) m/p-Xylenes	11.62	106	50228	9.937	ug/l	90
69) o-Xylene	11.95	106	25456	5.054	ug/l	93
70) Styrene	11.96	104	43341	5.401	ug/l	99
71) Bromoform	12.13	173	7346	4.206	ug/l #	97
73) Isopropylbenzene	12.25	105	73311	3.890	ug/l	100
74) N-amyl acetate	12.07	43	32358	4.132	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	20877	4.086	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	18446m	4.274	ug/l	
77) Bromobenzene	12.53	156	15535	3.863	ug/l	97
78) n-propylbenzene	12.59	91	83238	4.048	ug/l	99
79) 2-Chlorotoluene	12.68	91	52899	4.170	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	60711	3.957	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4976	3.928	ug/l	95
82) 4-Chlorotoluene	12.78	91	54817	4.562	ug/l	99
83) tert-Butylbenzene	12.99	119	51199	3.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	59512	4.236	ug/l	99
85) sec-Butylbenzene	13.17	105	71087	4.182	ug/l	98
86) p-Isopropyltoluene	13.29	119	59662	4.256	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28236	5.101	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	28496	5.055	ug/l	93
89) n-Butylbenzene	13.62	91	57406	4.688	ug/l	95
90) Hexachloroethane	13.88	117	7811	3.131	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	28181	5.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	3996	5.306	ug/l	94

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MSVOA_N
ClientSampleId :
VSTDICC005

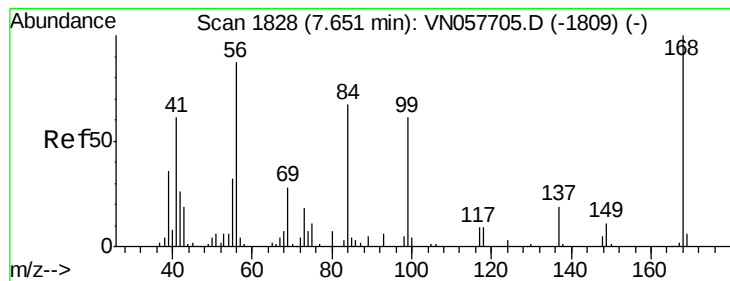
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 02:20:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	15931	8.271	ug/l	94
94) Hexachlorobutadiene	15.01	225	8696	4.082	ug/l	93
95) Naphthalene	15.13	128	46002	9.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	14917	8.293	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 199189

Ion Ratio Lower Upper

168 100

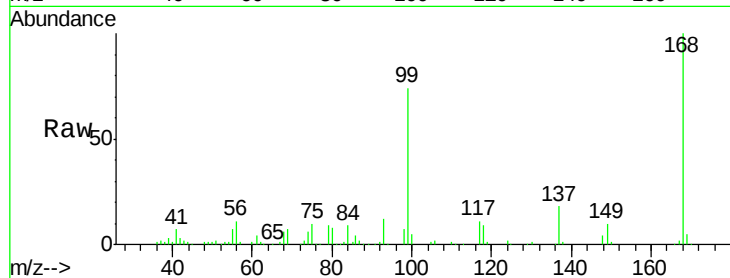
99 73.4 57.4 86.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

80000

60000

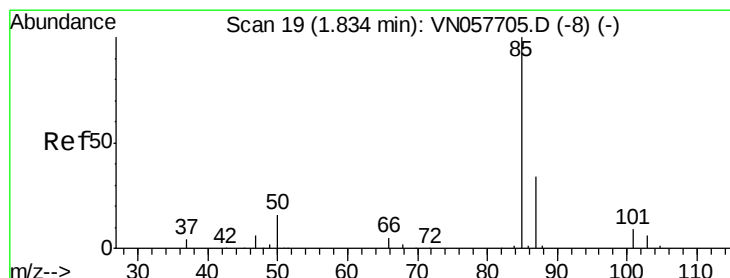
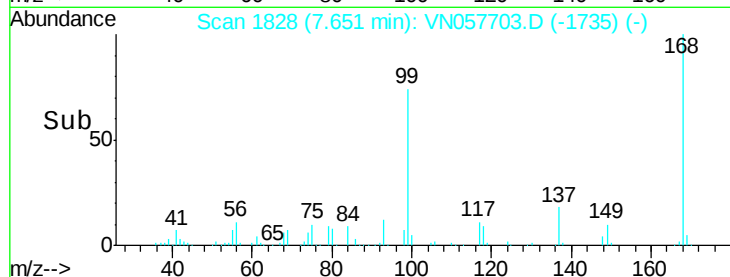
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.981 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057703.D

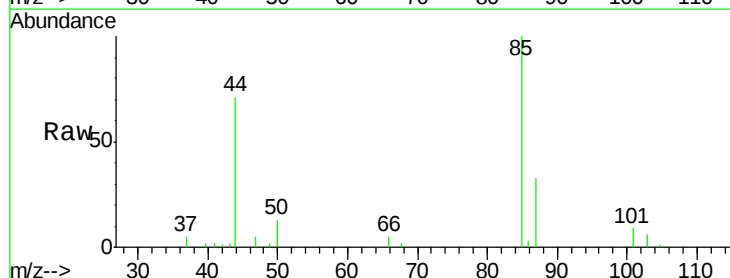
Acq: 5 Sep 2019 18:10

Tgt Ion: 85 Resp: 15612

Ion Ratio Lower Upper

85 100

87 33.1 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

12000

10000

8000

6000

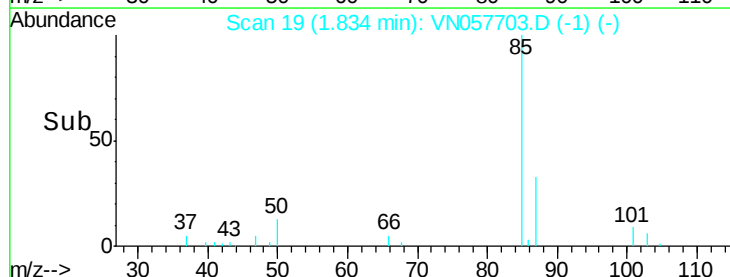
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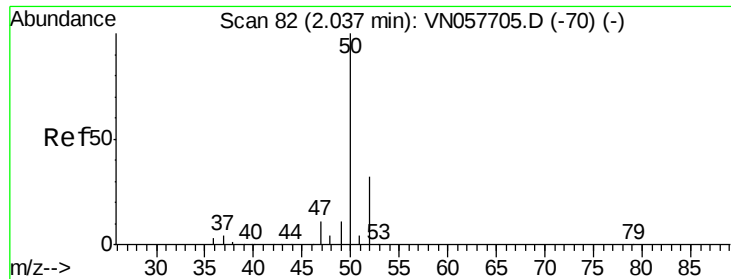
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 8.321 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 26949

Ion Ratio Lower Upper

50 100

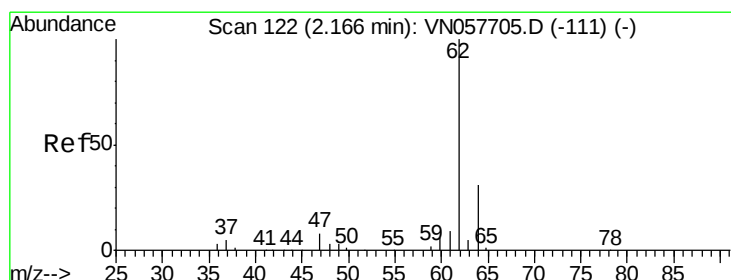
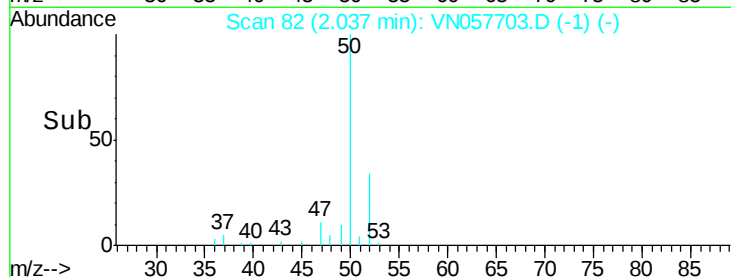
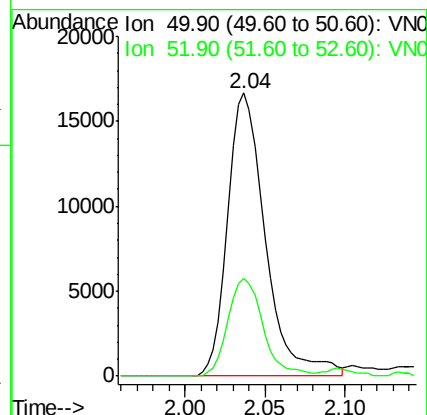
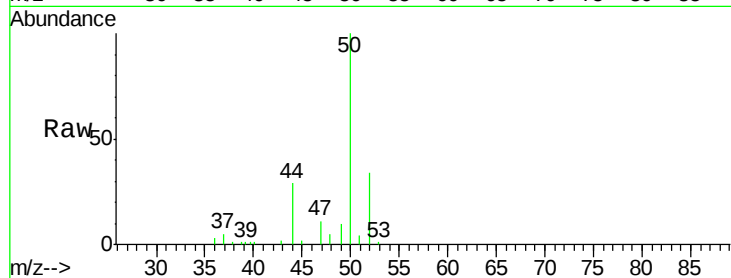
52 34.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.494 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN057703.D

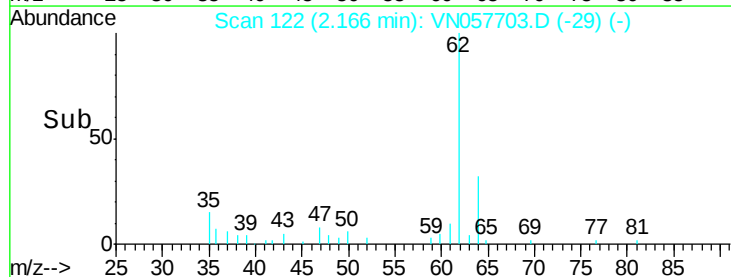
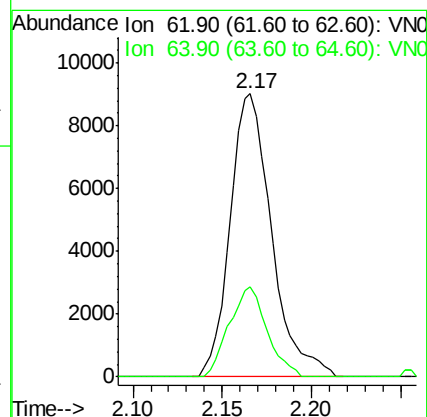
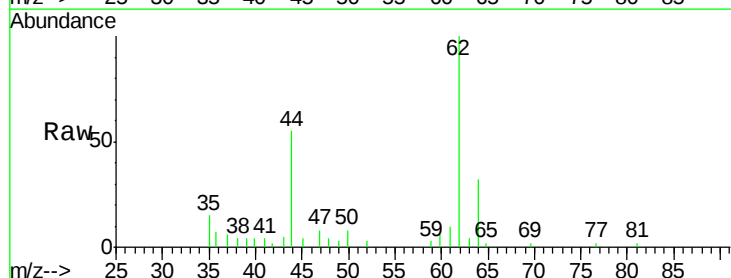
Acq: 5 Sep 2019 18:10

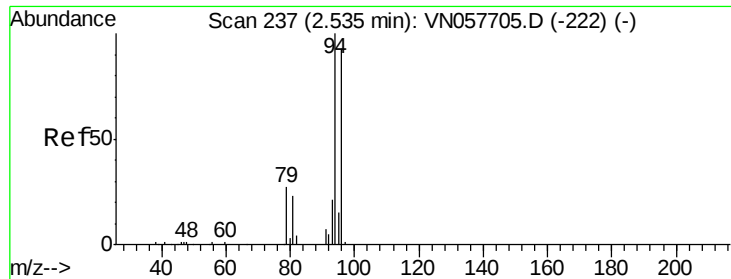
Tgt Ion: 62 Resp: 14597

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 4.464 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6664

Ion Ratio Lower Upper

94 100

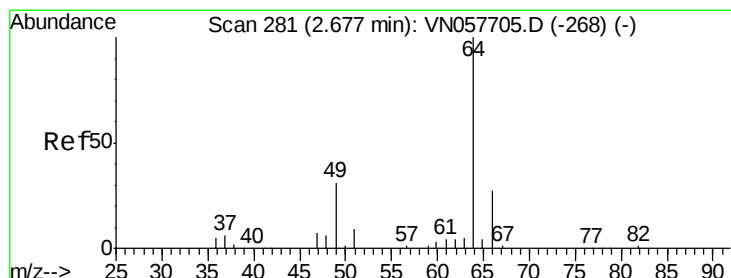
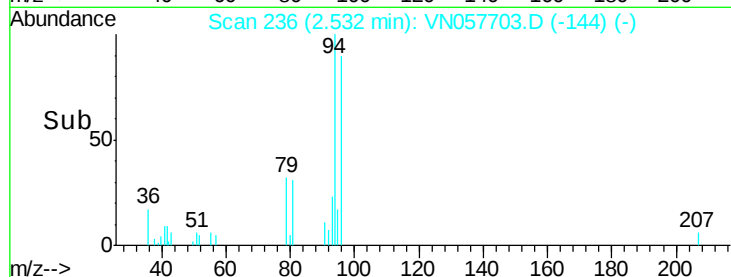
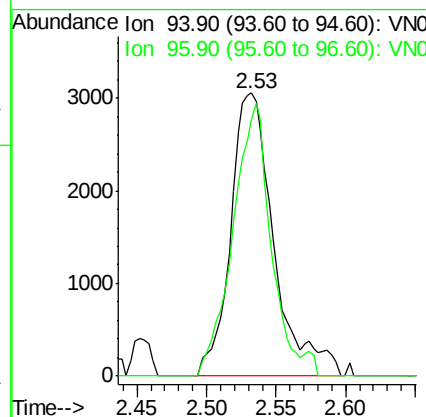
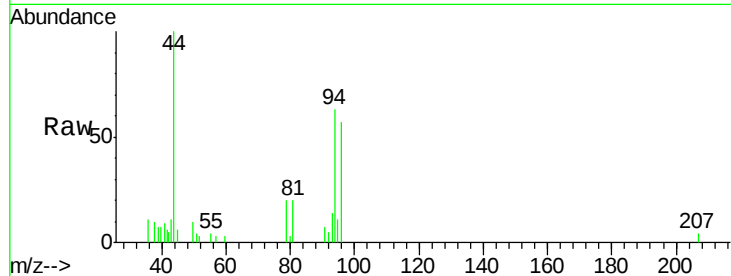
96 90.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 4.494 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057703.D

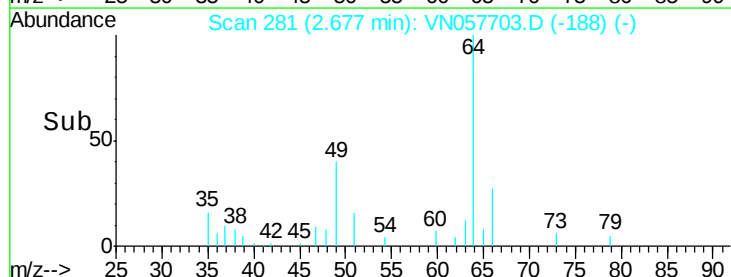
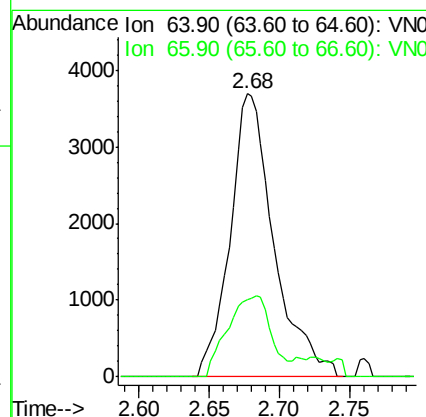
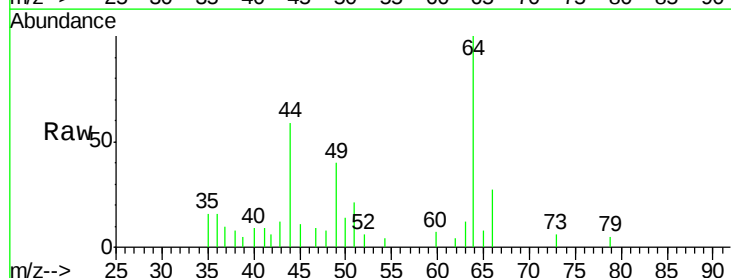
Acq: 5 Sep 2019 18:10

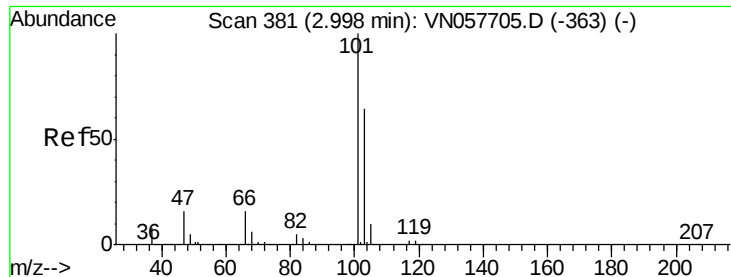
Tgt Ion: 64 Resp: 8018

Ion Ratio Lower Upper

64 100

66 27.1 22.0 33.0





#7

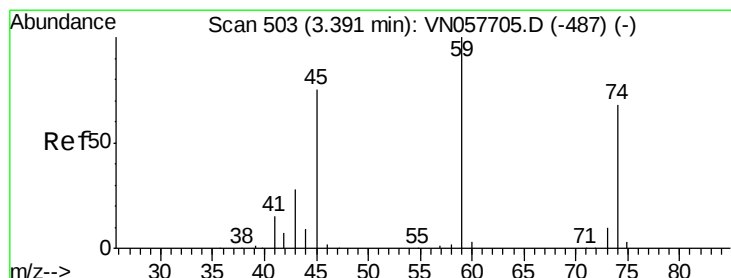
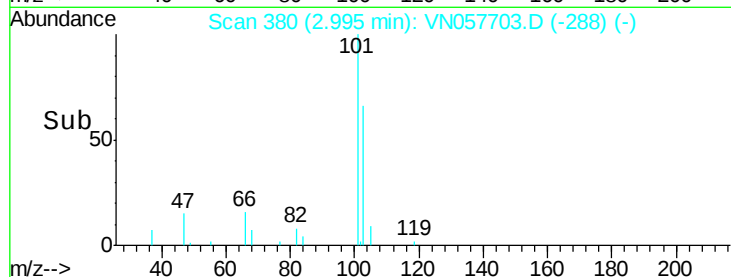
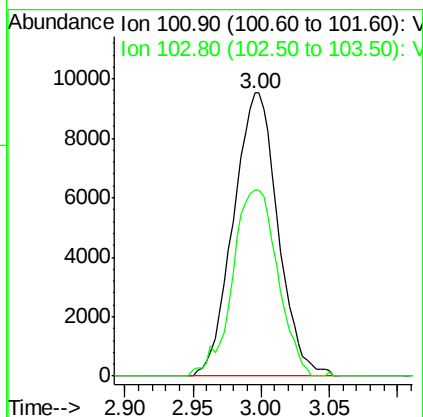
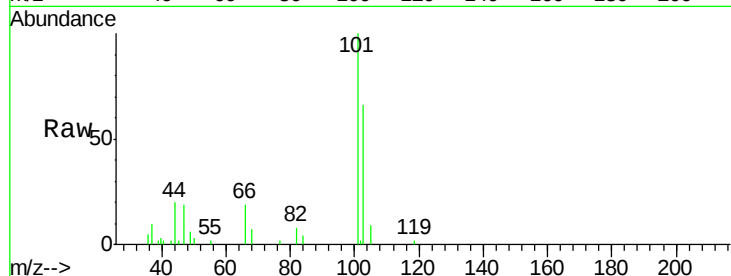
Trichlorofluoromethane
Concen: 4.463 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 21635
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0

Manual Integrations
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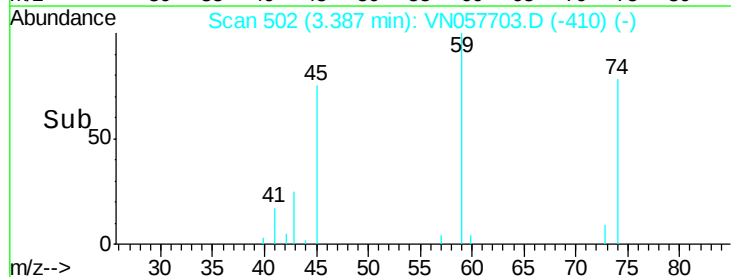
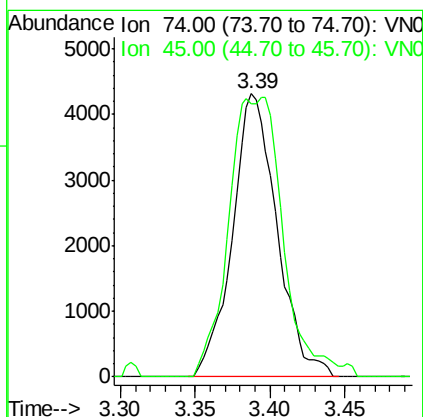
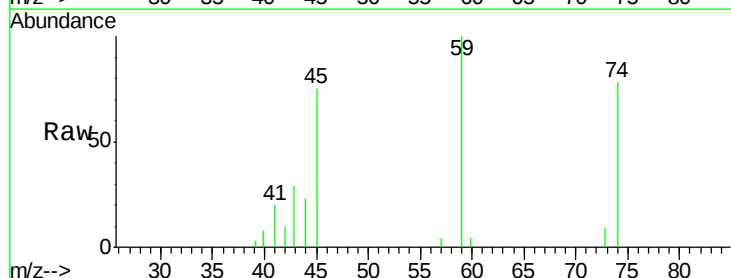
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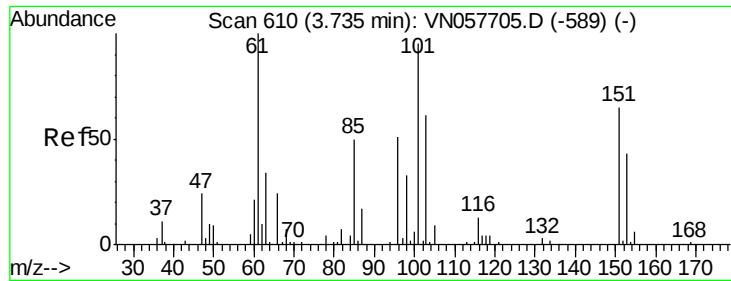


#8

Diethyl Ether
Concen: 5.281 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 74 Resp: 8952
Ion Ratio Lower Upper
74 100
45 55.3 55.4 166.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.349 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

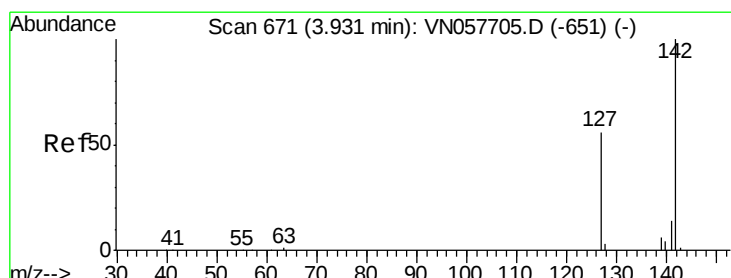
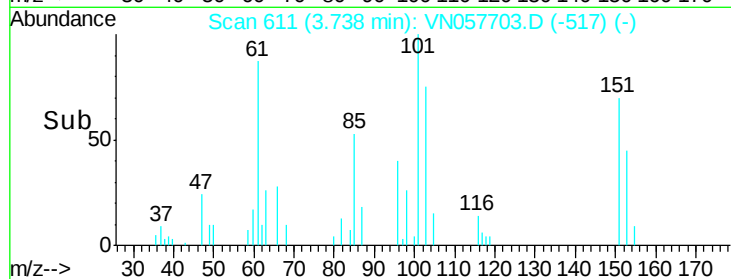
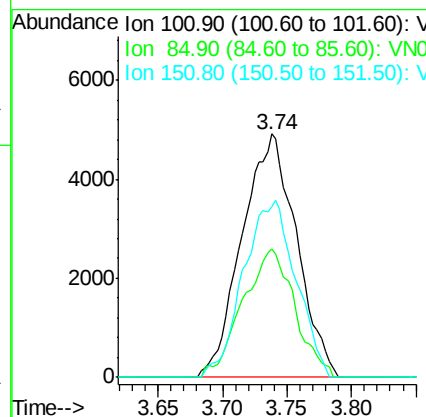
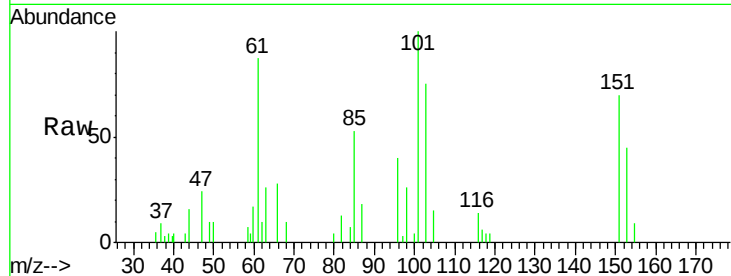
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14405
Ion Ratio	Lower	Upper	
101	100		
85	50.6	42.8	64.2
151	70.2	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 3.468 ug/l

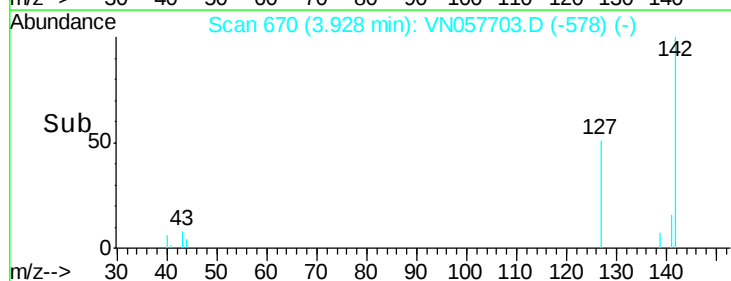
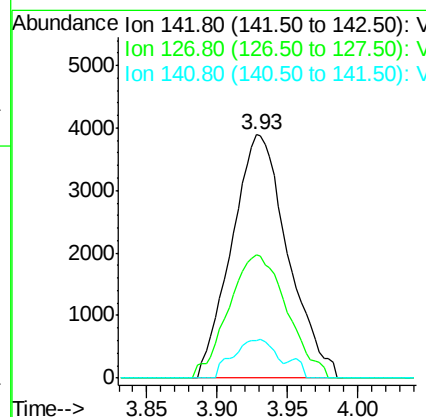
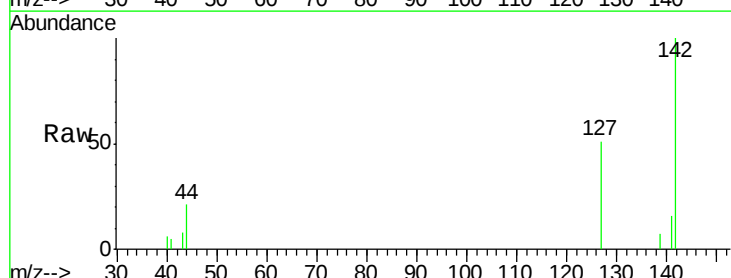
RT: 3.93 min Scan# 670

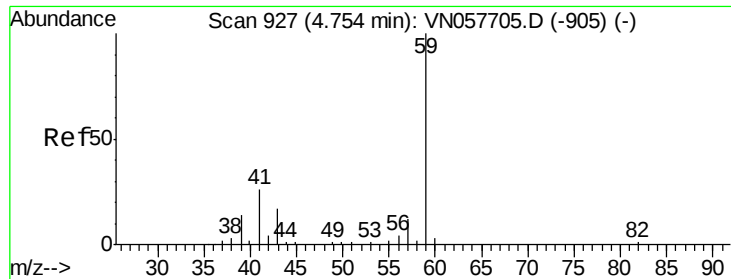
Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	142	Resp:	10783
Ion Ratio	Lower	Upper	
142	100		
127	52.7	42.1	63.1
141	11.9	11.0	16.4





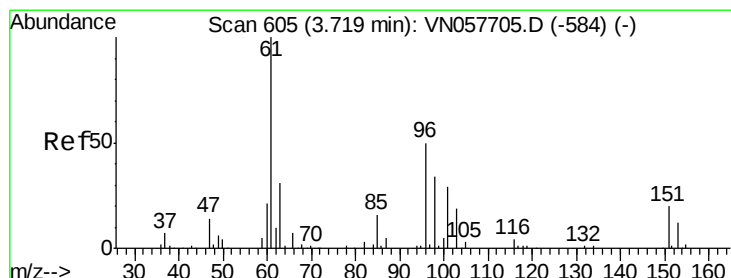
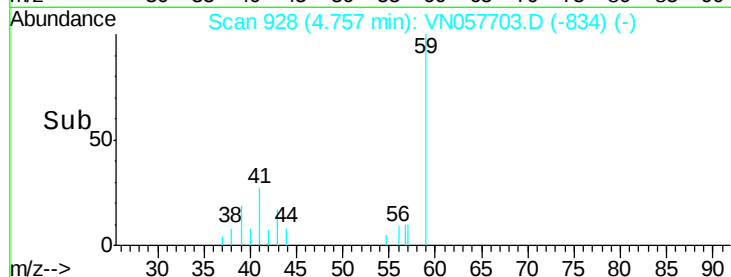
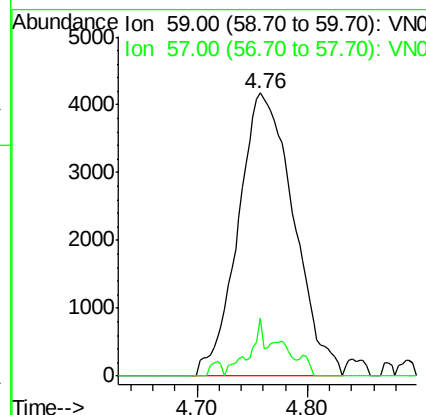
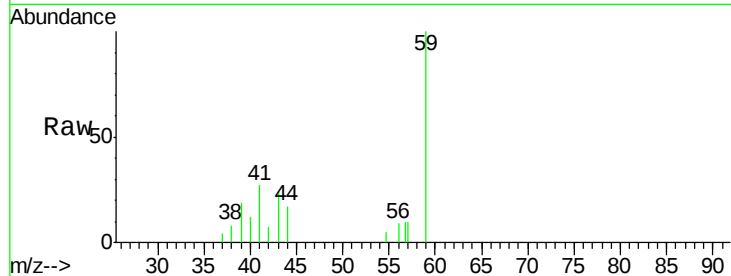
#11
Tert butyl alcohol
Concen: 28.903 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.9	13.3#

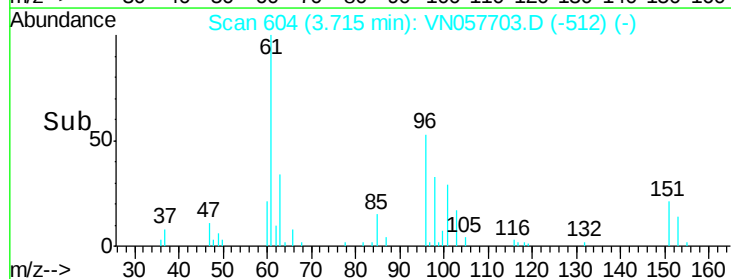
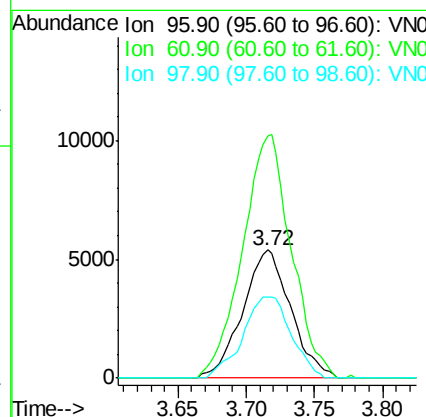
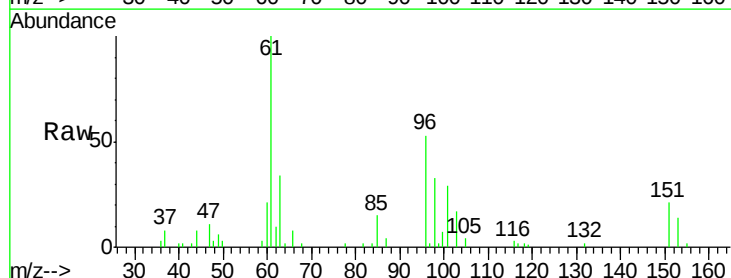
Manual Integrations
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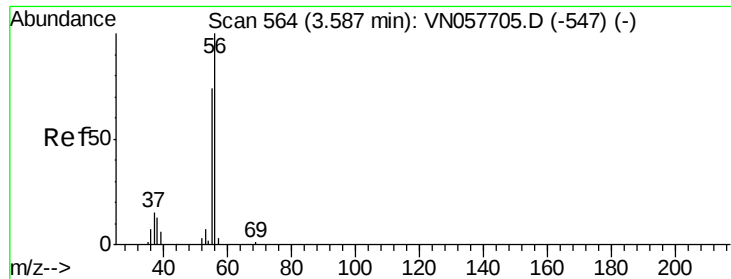
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.646 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.8	158.7	238.1
98	63.0	53.8	80.8





#13

Acrolein

Concen: 27.415 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7197

Ion Ratio Lower Upper

56 100

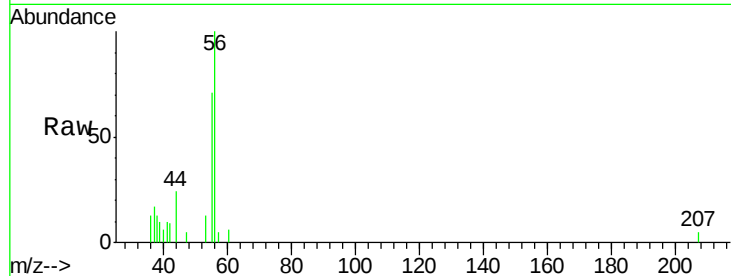
55 77.7 55.4 83.0

Manual Integrations

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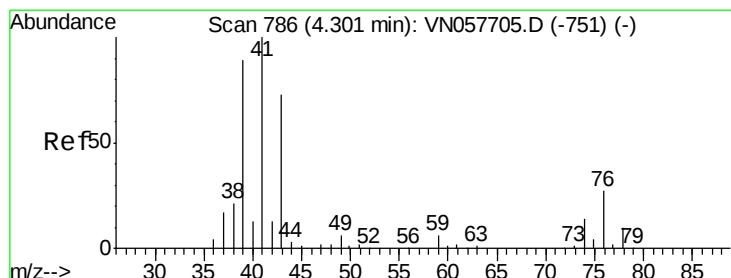
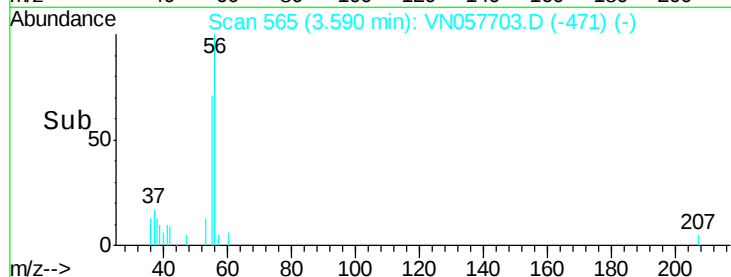
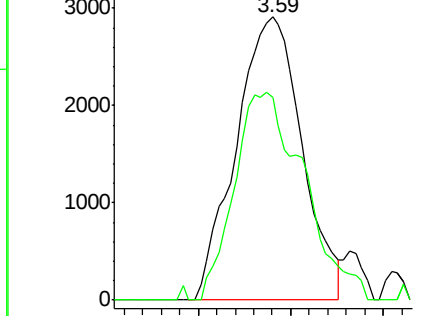
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Abundance Ion 56.00 (55.70 to 56.70): VN057703.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN057703.D (-547) (-)



#14

Allyl chloride

Concen: 5.293 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

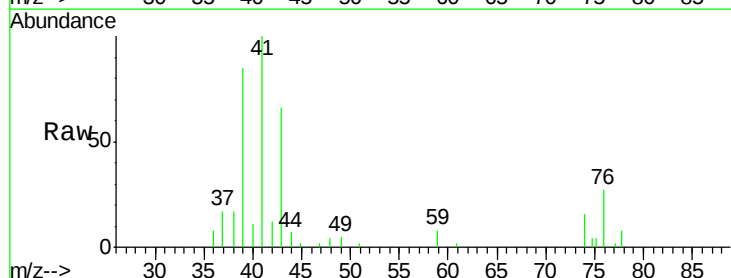
Tgt Ion: 41 Resp: 28139

Ion Ratio Lower Upper

41 100

39 82.4 67.5 101.3

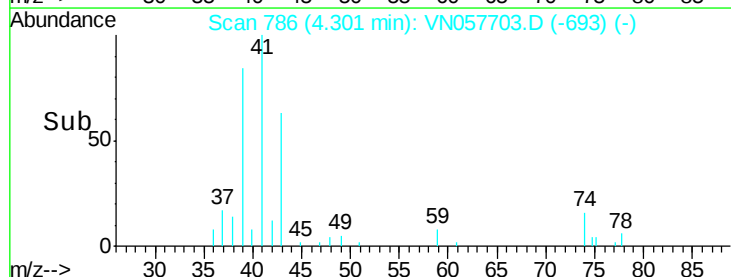
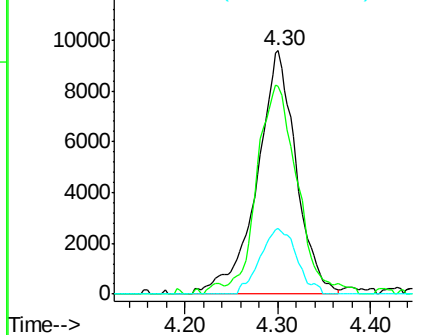
76 25.2 21.4 32.2

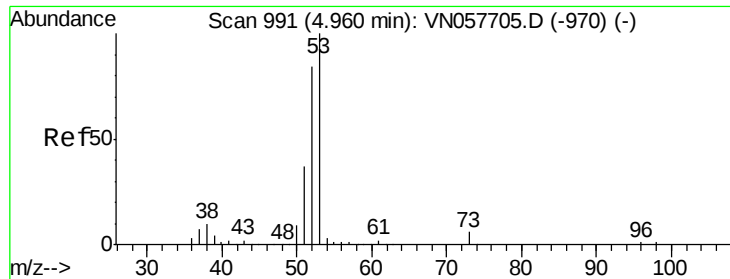


Abundance Ion 41.00 (40.70 to 41.70): VN057703.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN057703.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN057703.D (-693) (-)





#15

Acrylonitrile

Concen: 28.057 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

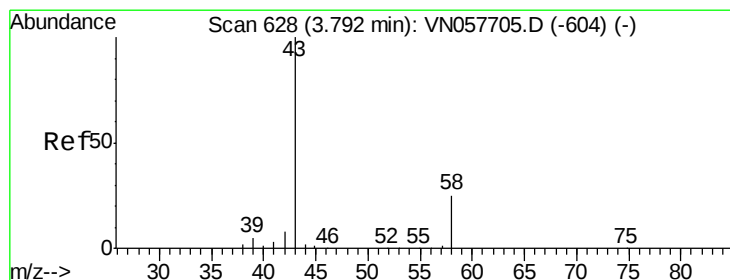
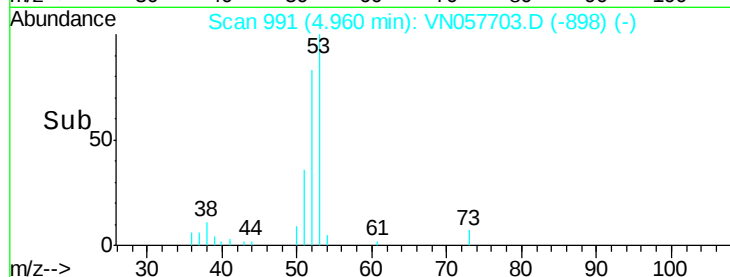
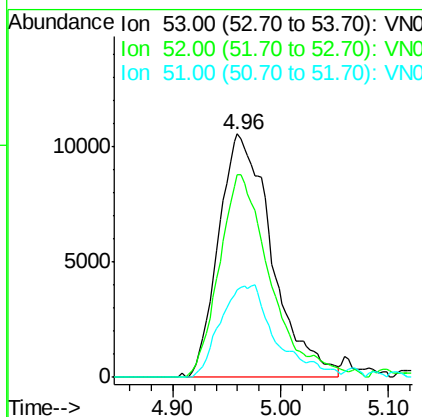
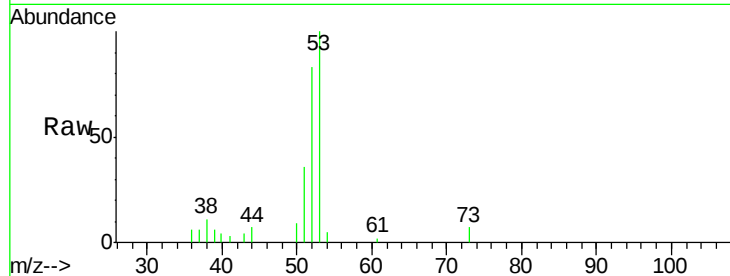
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	36218
Ion	Ratio	Lower	Upper
53	100		
52	79.9	68.1	102.1
51	39.3	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 23.698 ug/l

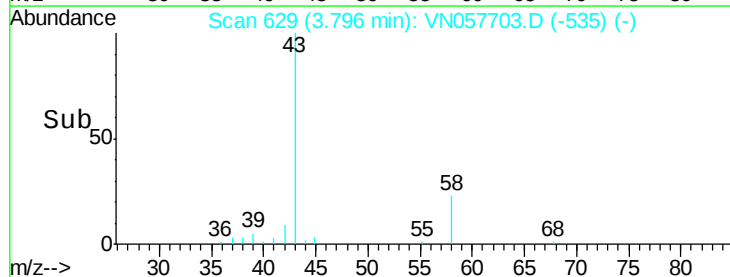
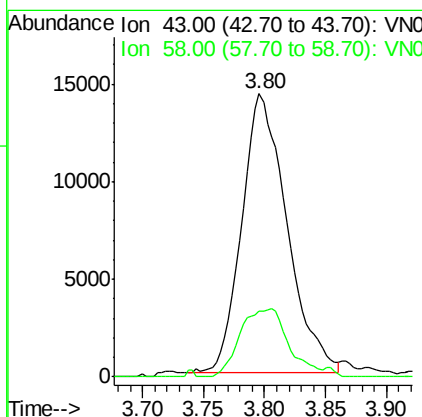
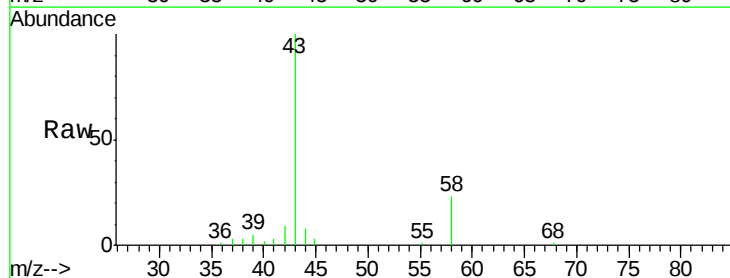
RT: 3.80 min Scan# 629

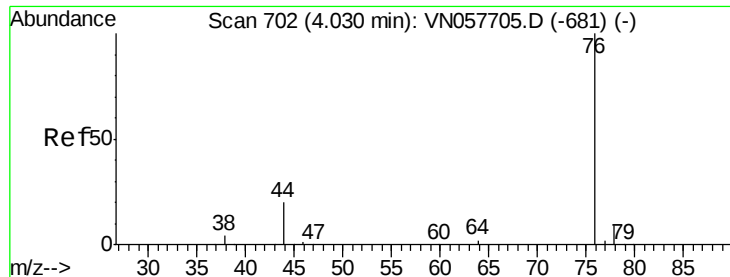
Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	43	Resp:	36683
Ion	Ratio	Lower	Upper
43	100		
58	22.2	19.8	29.8





#17

Carbon Disulfide

Concen: 4.847 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26476

Ion Ratio Lower Upper

76 100

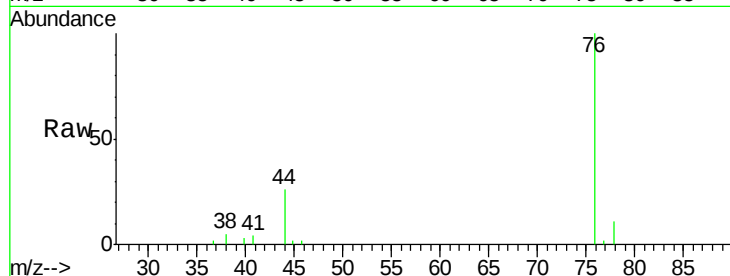
78 10.7 7.0 10.6#

Manual Integrations

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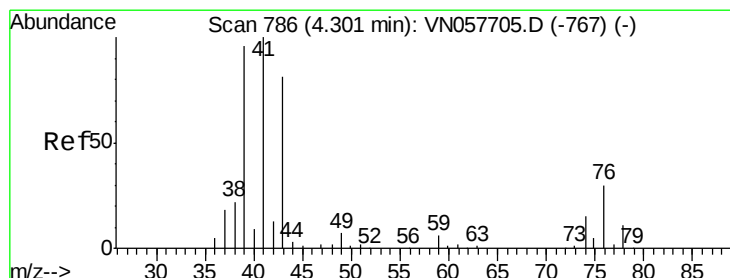
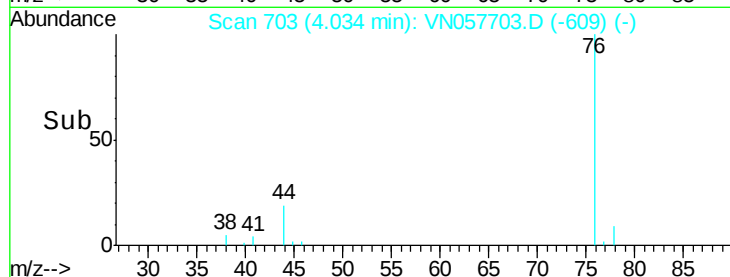
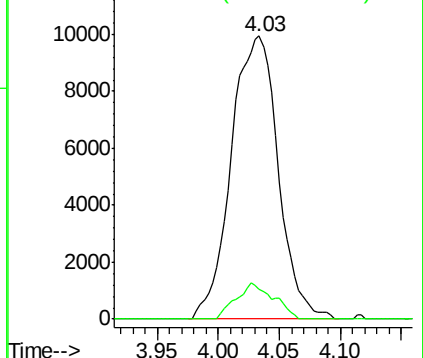
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.451 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057703.D

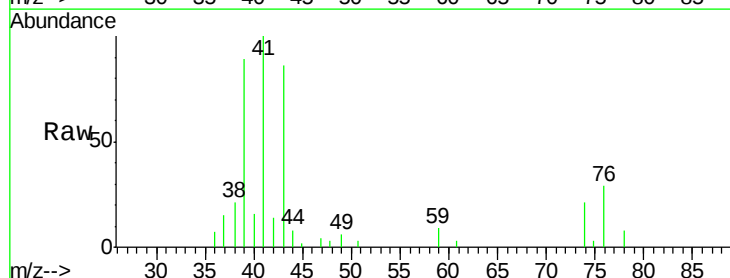
Acq: 5 Sep 2019 18:10

Tgt Ion: 43 Resp: 22028

Ion Ratio Lower Upper

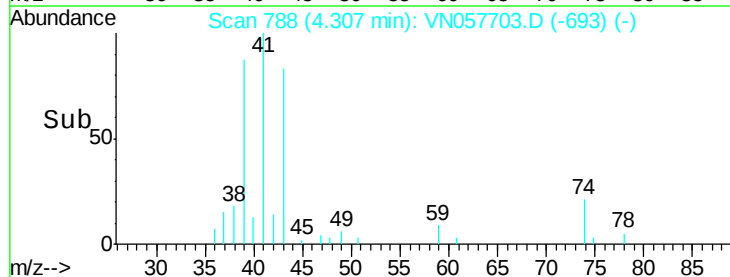
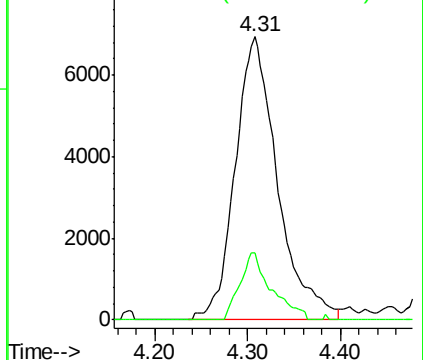
43 100

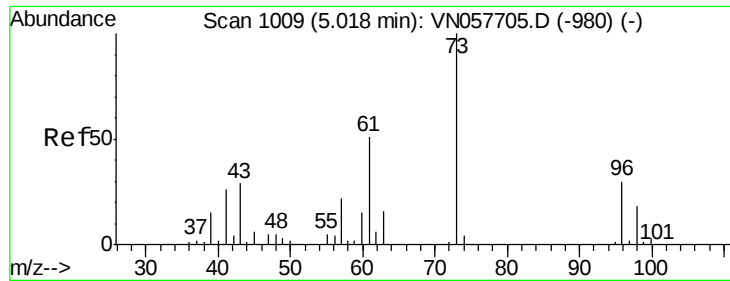
74 17.8 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





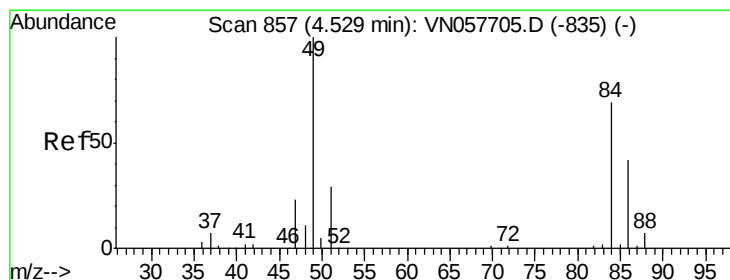
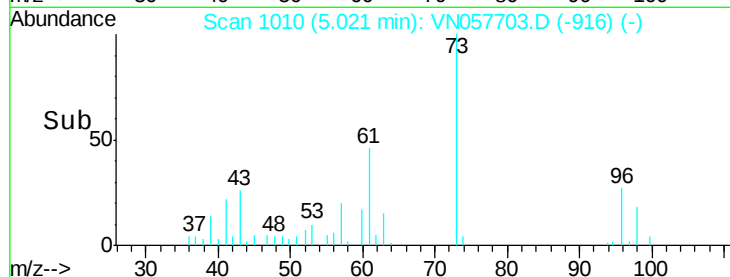
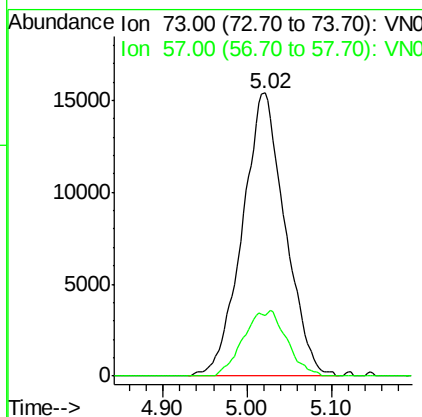
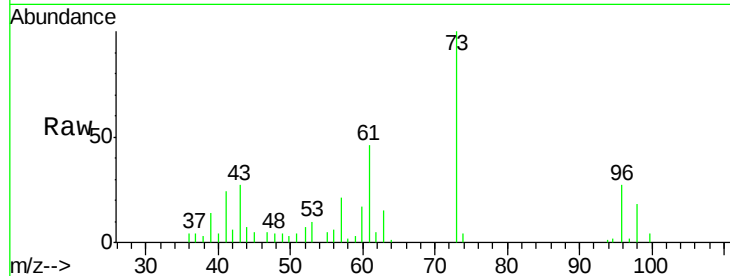
#19
Methvl tert-butvl Ether
Concen: 5.565 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 54249
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

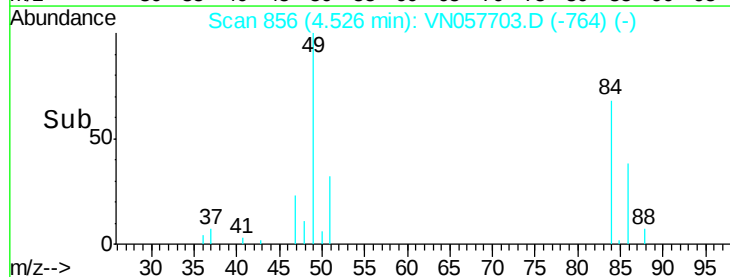
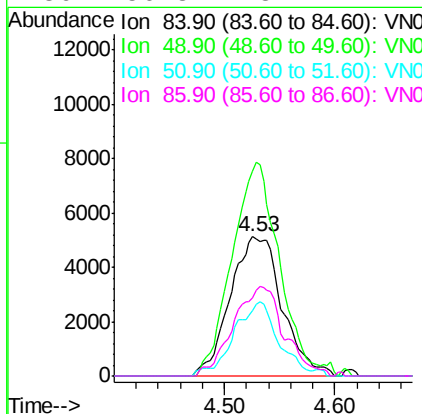
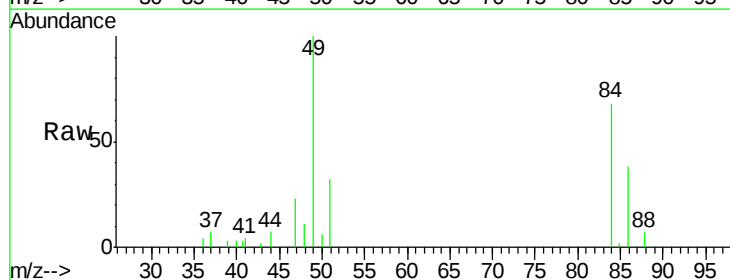
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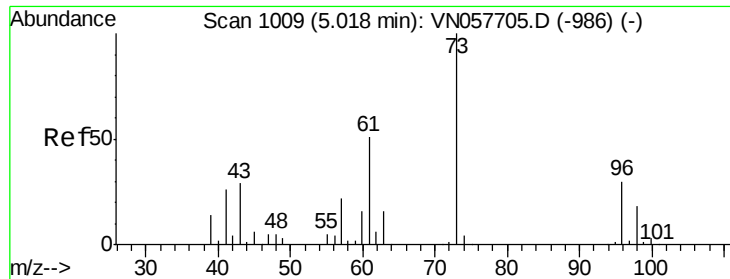
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#20
Methylene Chloride
Concen: 5.579 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 84 Resp: 16689
Ion Ratio Lower Upper
84 100
49 146.8 115.0 172.6
51 47.1 33.8 50.8
86 56.3 48.2 72.2





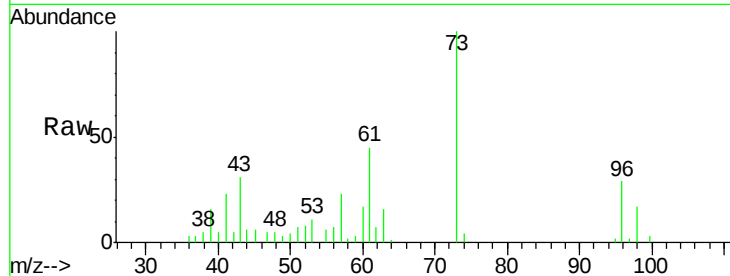
#21
trans-1,2-Dichloroethene
Concen: 5.208 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	135.8	203.8
98	58.6	49.0	73.6

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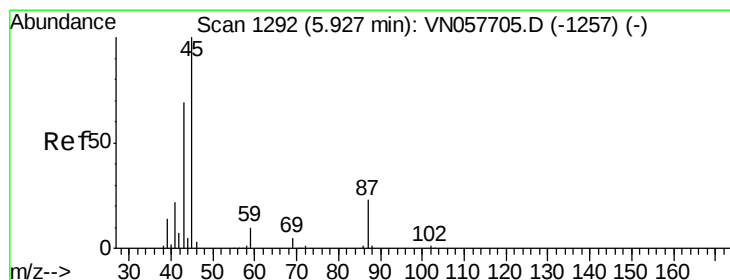
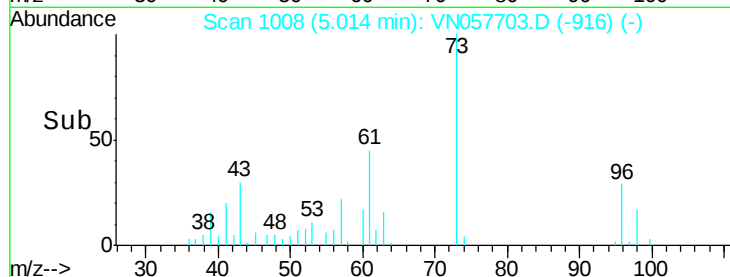
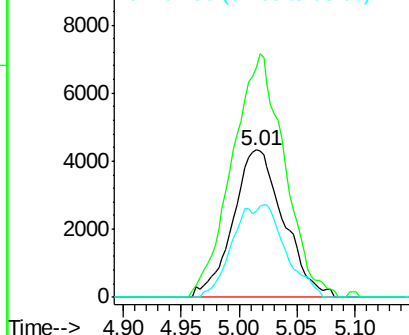


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 5.413 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	55.5	83.3
87	23.3	18.6	28.0
59	10.3	7.9	11.9

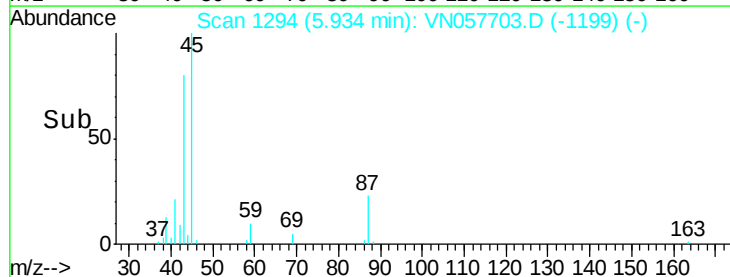
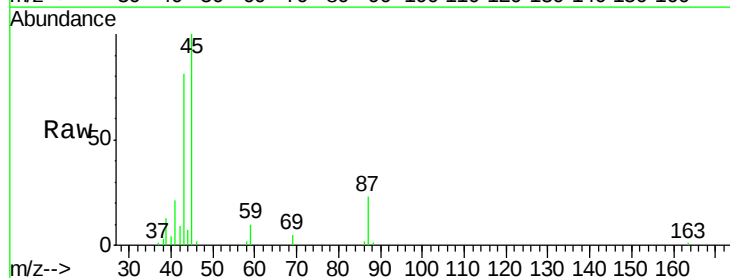
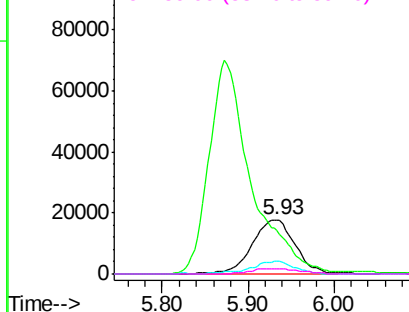
Abundance

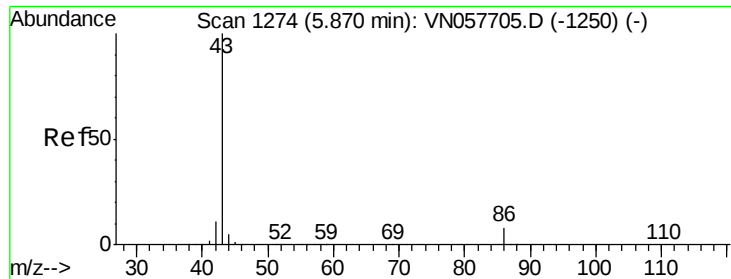
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 27.972 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 239206

Ion Ratio Lower Upper

43 100

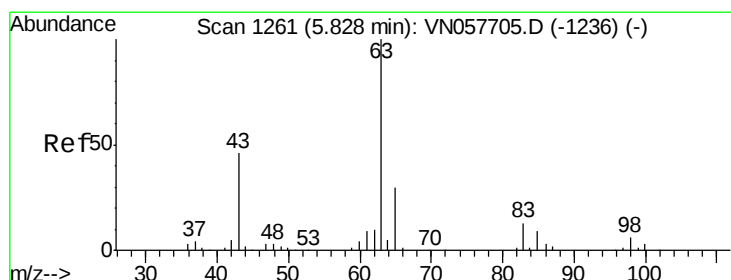
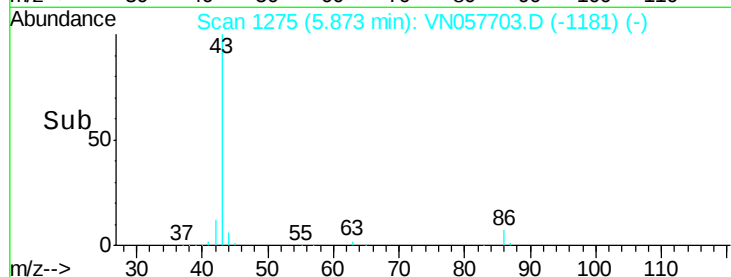
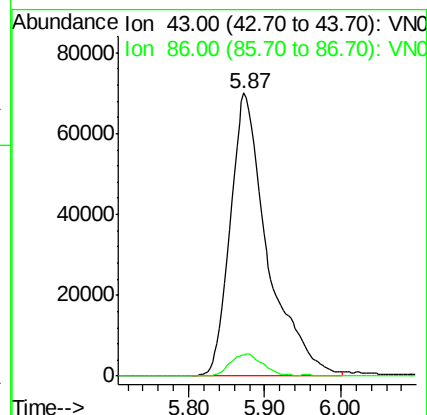
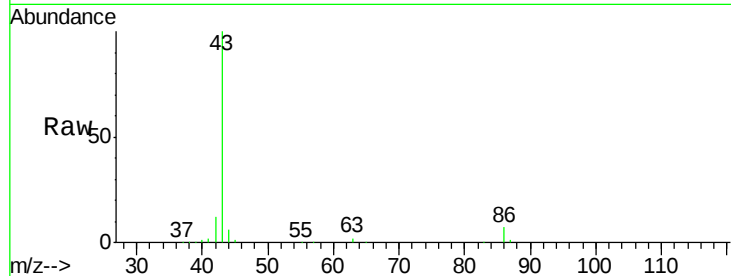
86 7.4 6.2 9.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.319 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

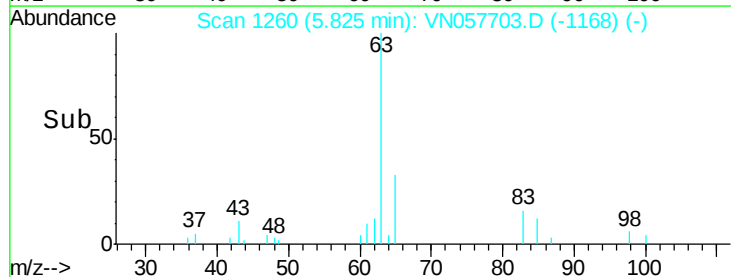
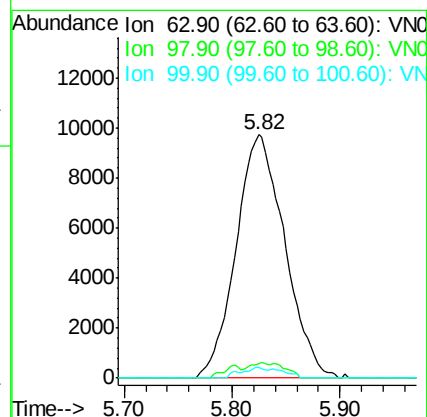
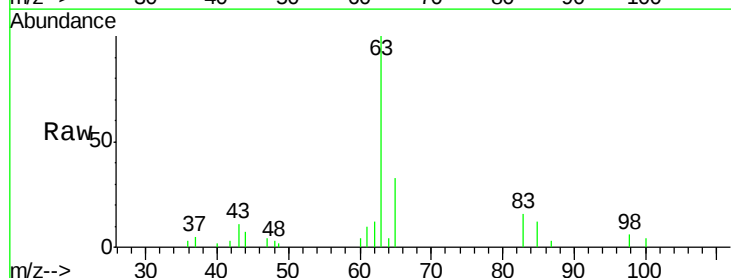
Tgt Ion: 63 Resp: 30569

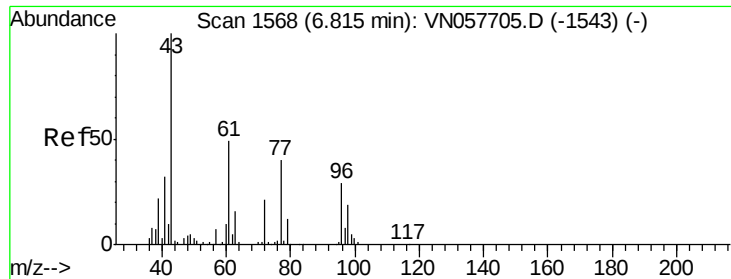
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.4 1.7 5.0





#25

2-Butanone

Concen: 27.211 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 55666

Ion Ratio Lower Upper

43 100

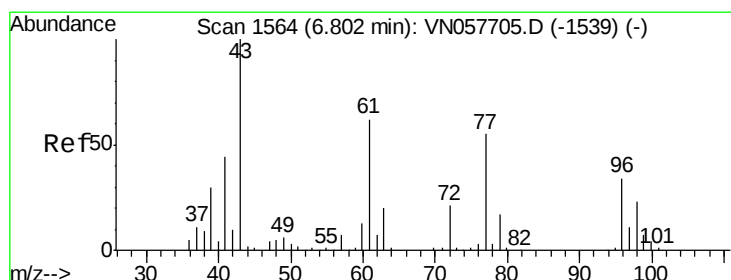
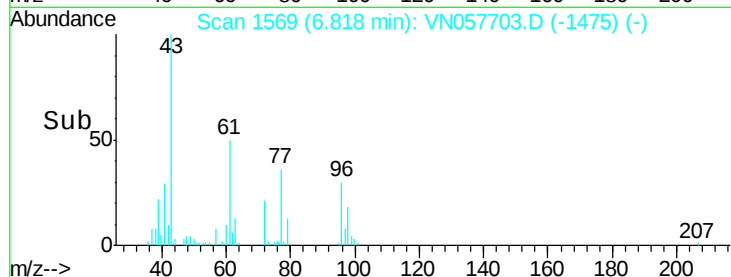
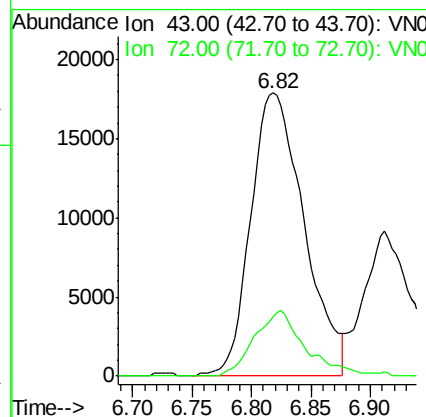
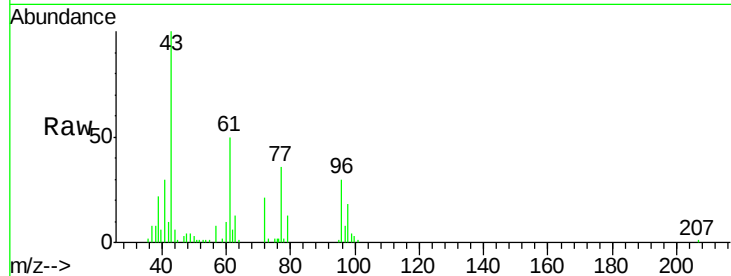
72 20.8 17.0 25.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.203 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057703.D

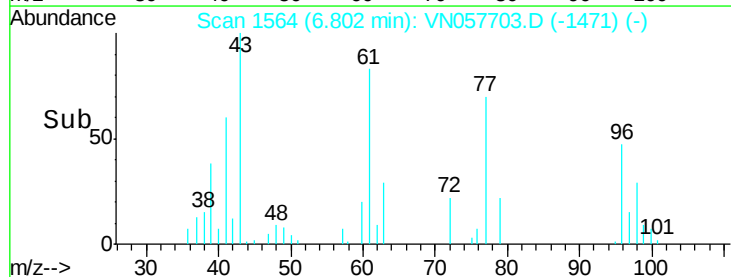
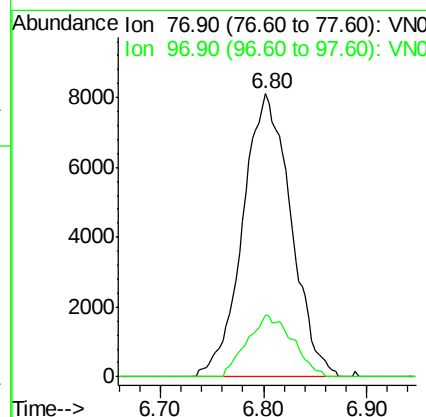
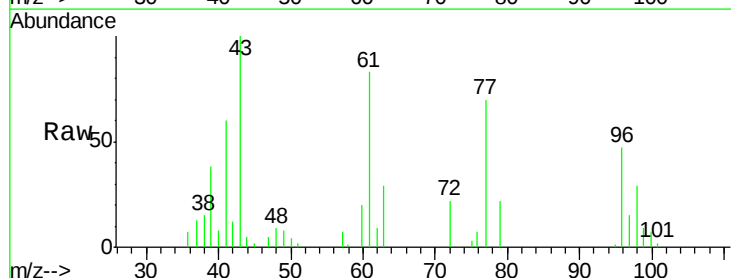
Acq: 5 Sep 2019 18:10

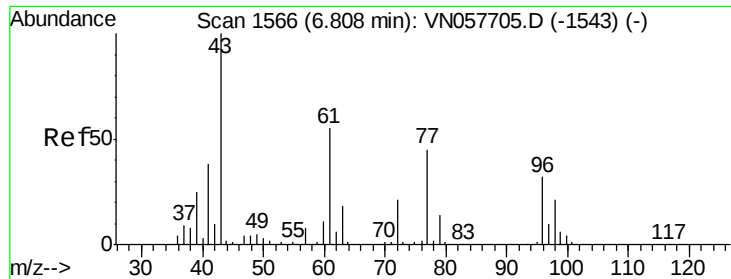
Tgt Ion: 77 Resp: 26356

Ion Ratio Lower Upper

77 100

97 20.6 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 5.545 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

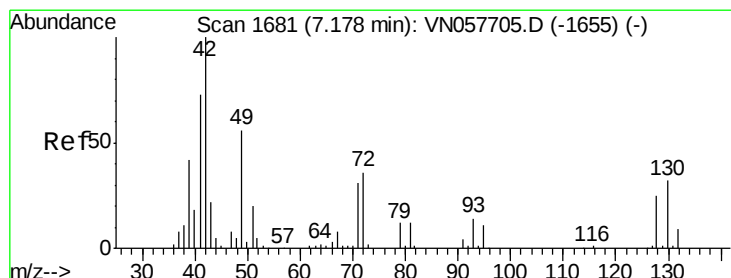
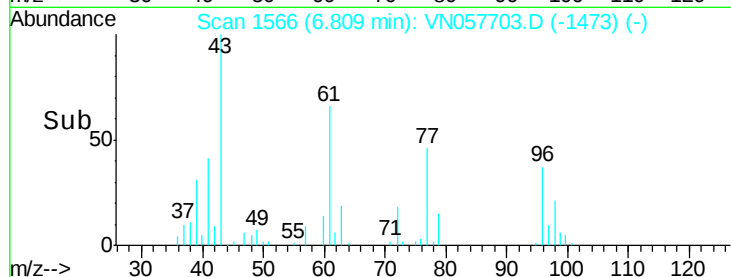
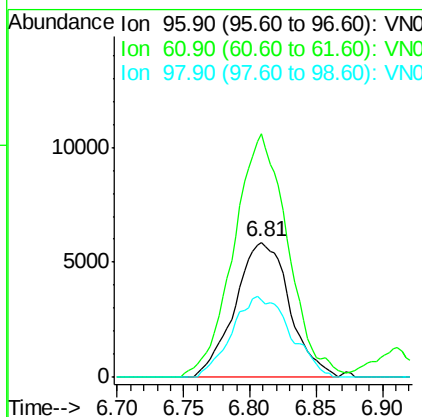
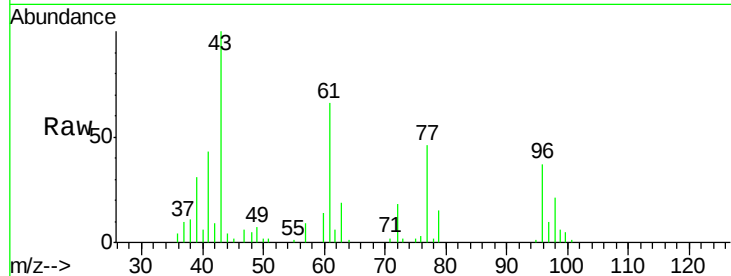
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16829
Ion	Ratio	Lower	Upper
96	100		
61	178.5	0.0	360.6
98	64.1	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 1:10:23 PM



#28

Bromochloromethane

Concen: 5.588 ug/l m

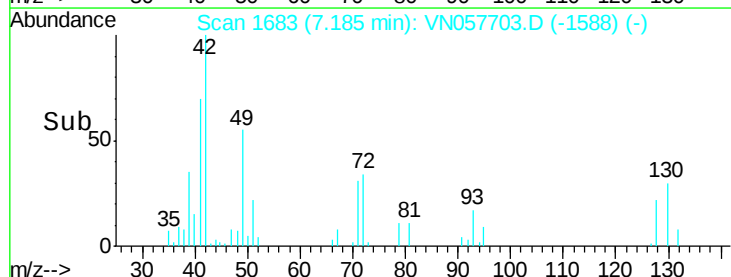
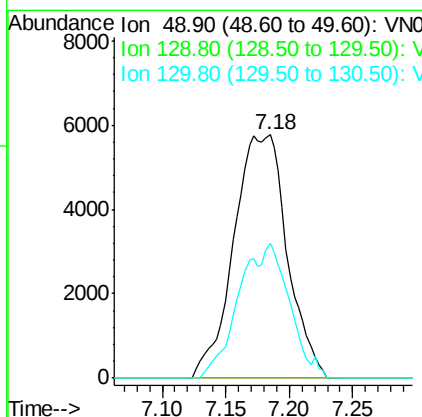
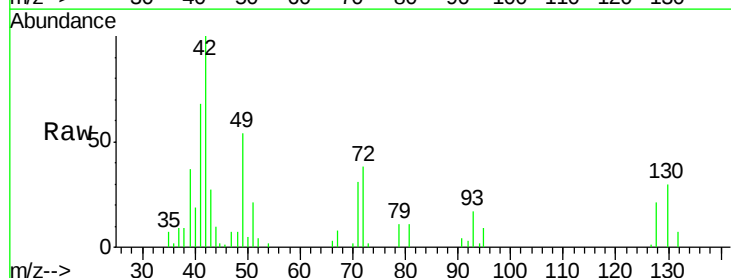
RT: 7.18 min Scan# 1683

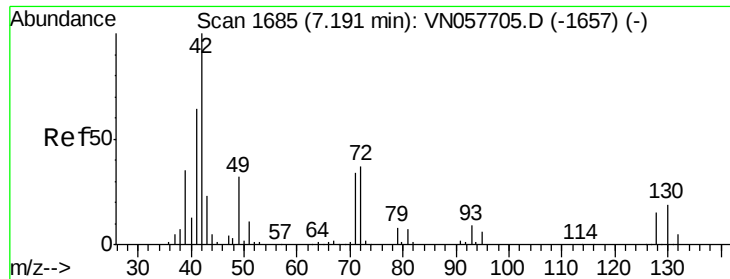
Delta R.T. 0.01 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	49	Resp:	16840
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.4
130	23.1	45.8	68.8#





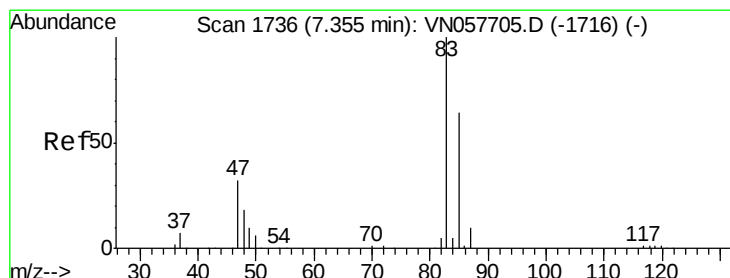
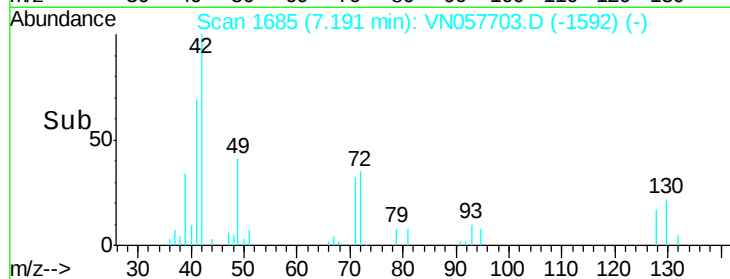
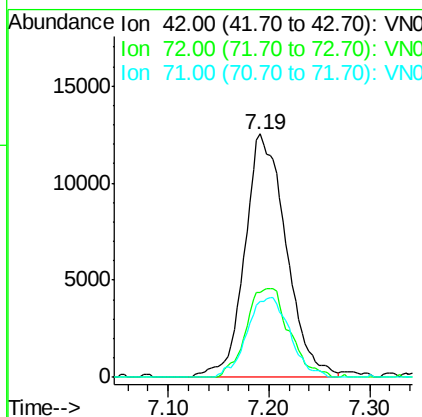
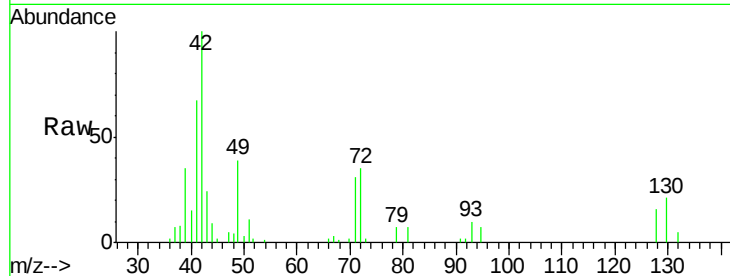
#29
Tetrahydrofuran
Concen: 28.582 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.2	43.8
71	33.9	27.0	40.4

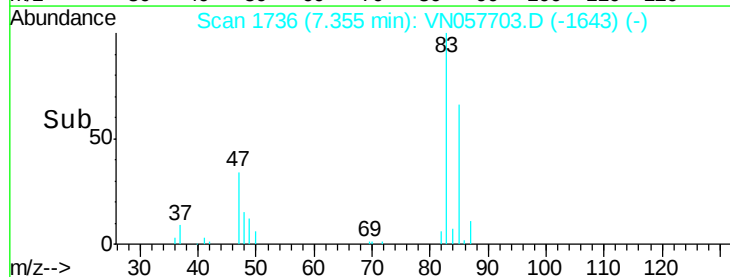
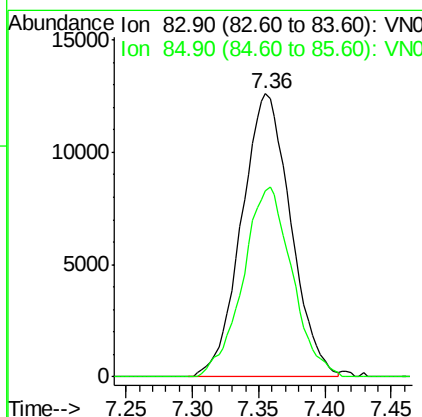
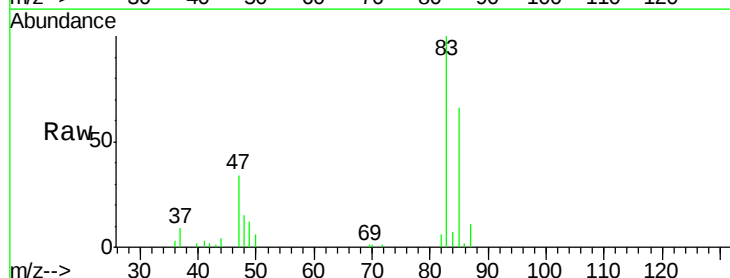
Manual Integrations
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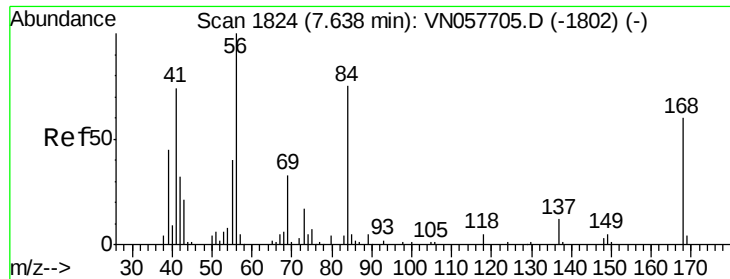
MMDadoda
9/9/2019 1:10:23 PM



#30
Chloroform
Concen: 5.317 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9





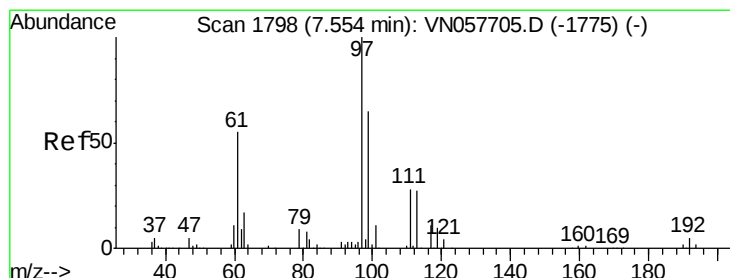
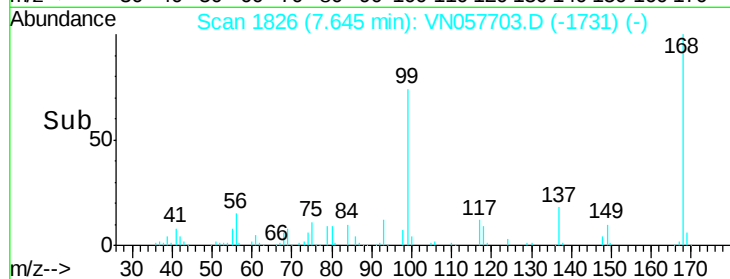
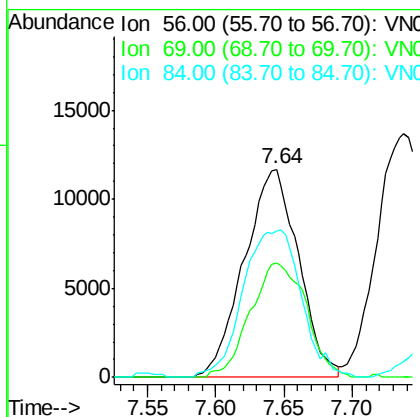
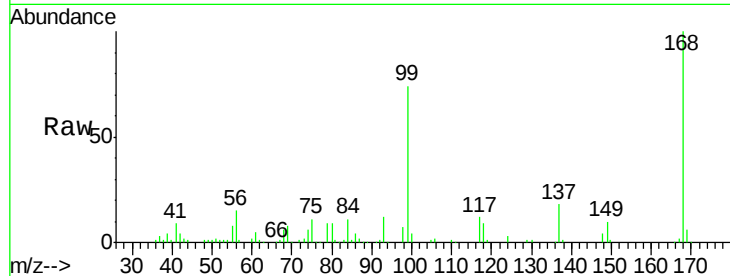
#31
Cyclohexane
Concen: 6.387 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	55.0	26.2	39.2#
84	70.2	59.8	89.8

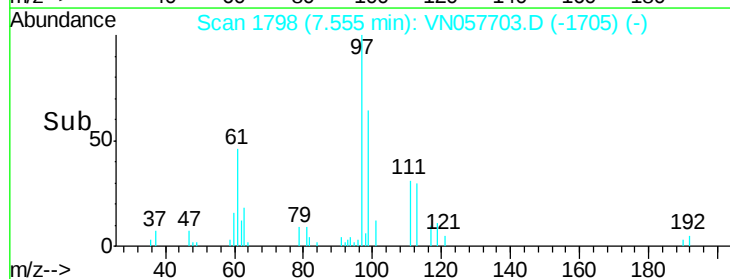
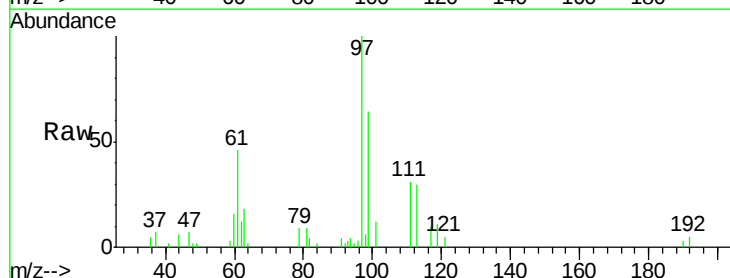
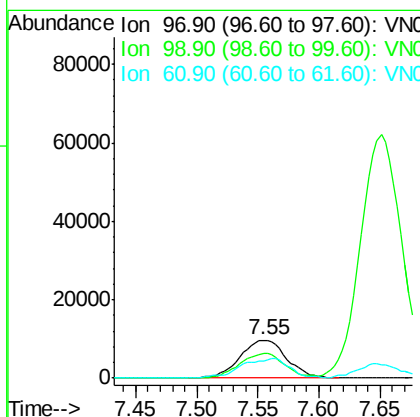
Manual Integrations
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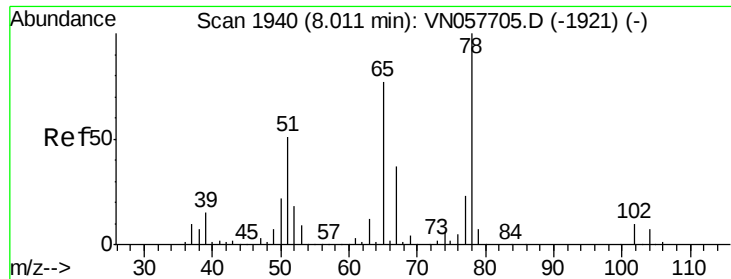
MMDadoda
9/9/2019 1:10:23 PM



#32
1,1,1-Trichloroethane
Concen: 5.027 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	55.0	42.8	64.2





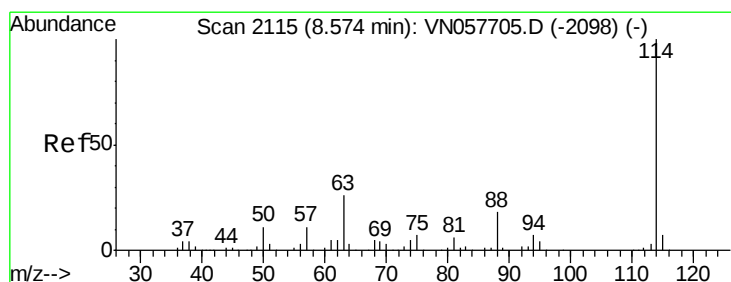
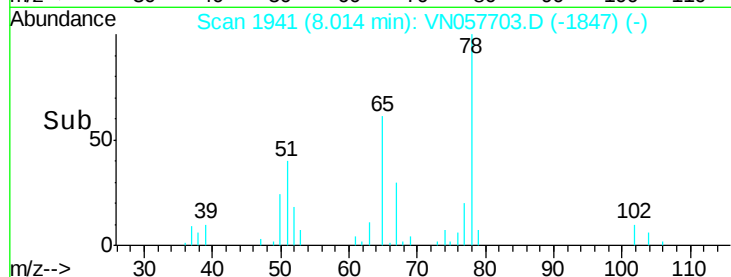
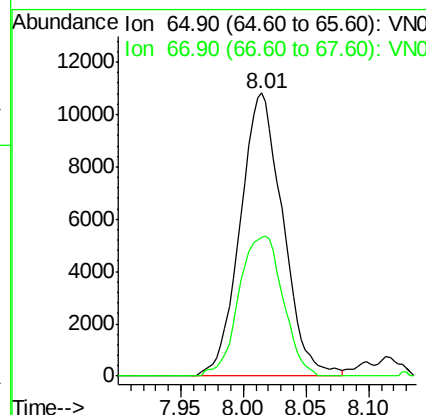
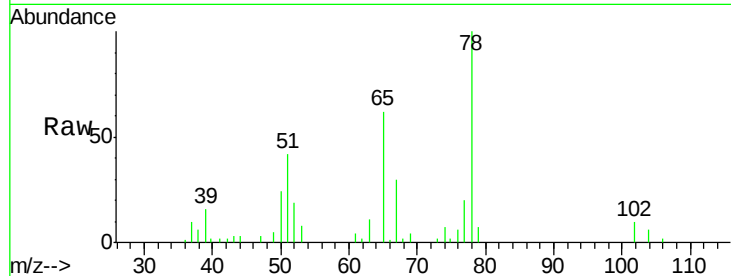
#33
 1,2-Dichloroethane-d4
 Concen: 5.715 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	25611		
67	51.0	0.0	98.2	

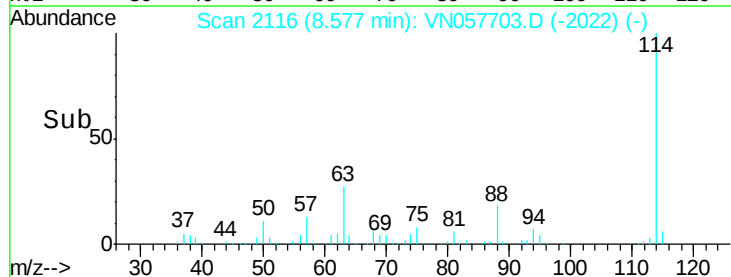
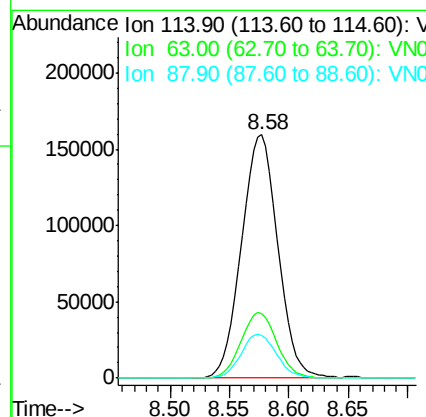
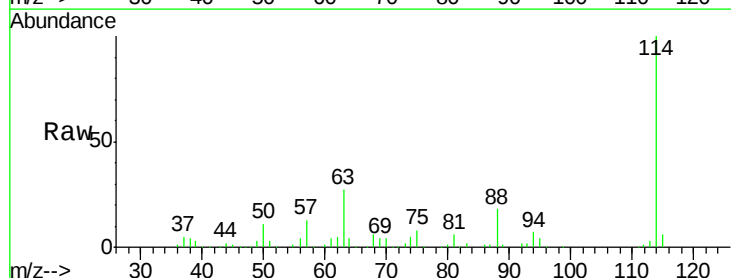
Manual Integrations
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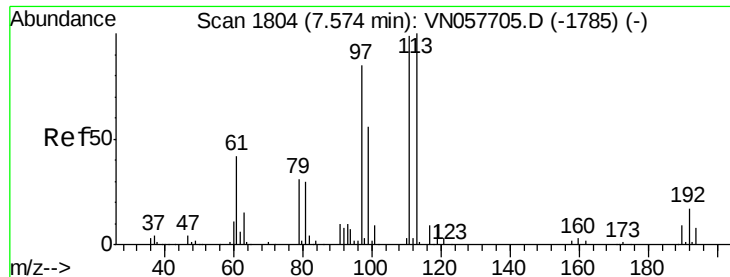
MMDadoda
 9/9/2019 1:10:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338068		
63	26.6	0.0	52.4	
88	17.7	0.0	35.4	





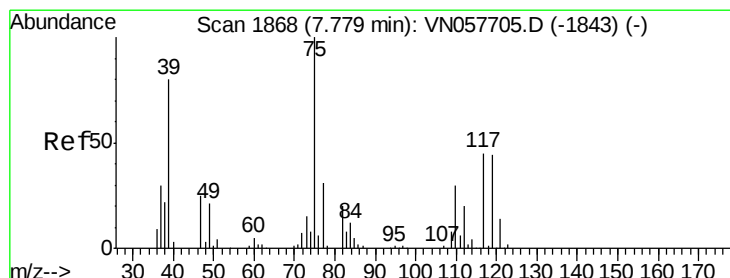
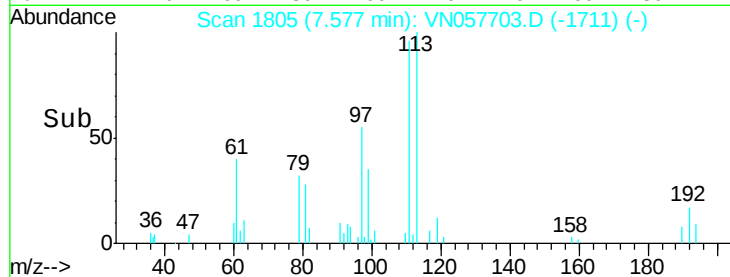
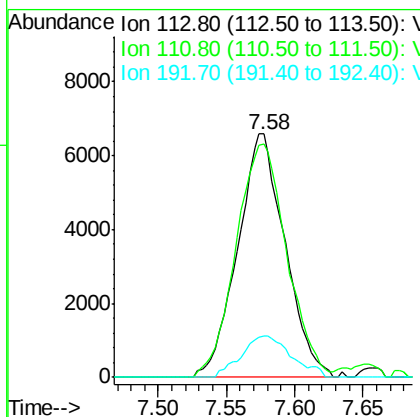
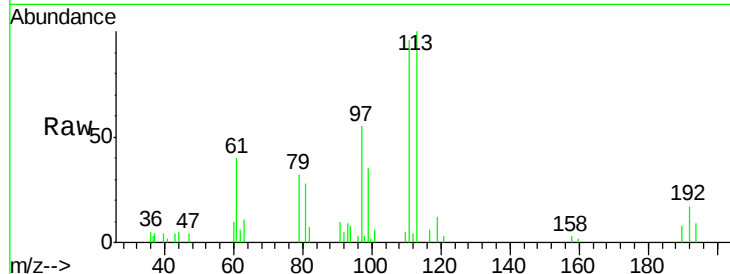
#35
 Dibromofluoromethane
 Concen: 5.182 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	17.9	13.8	20.6

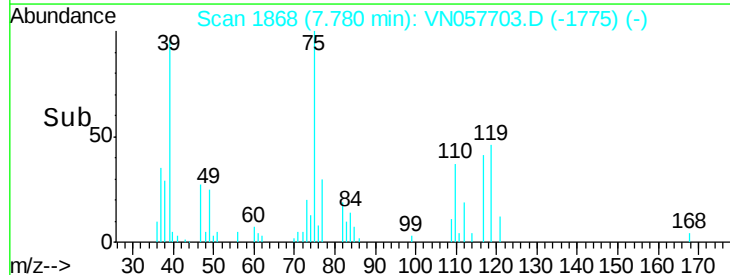
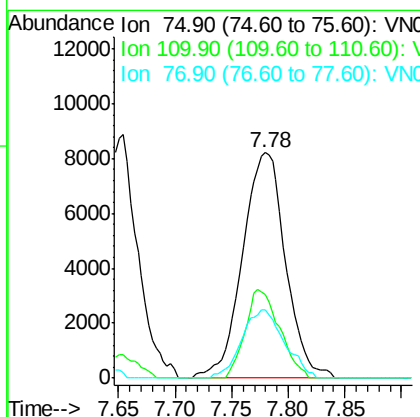
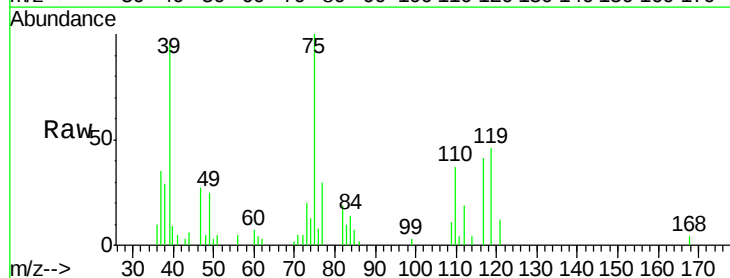
Manual Integrations
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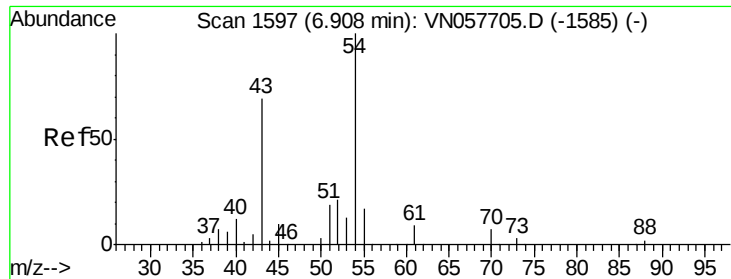
MMDadoda
 9/9/2019 1:10:23 PM



#36
 1,1-Dichloropropene
 Concen: 5.123 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.0	45.0
77	30.0	24.6	37.0





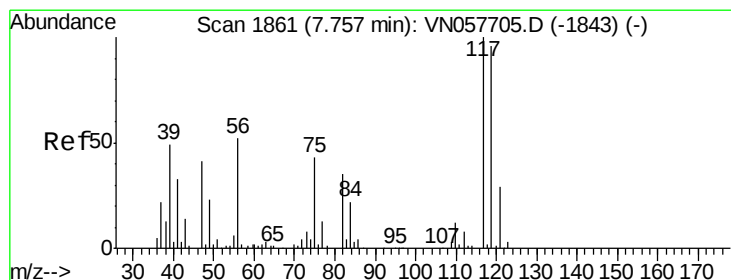
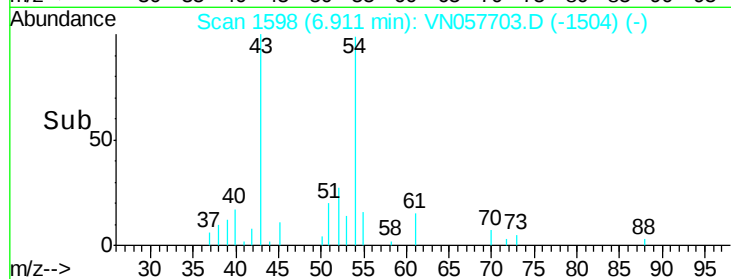
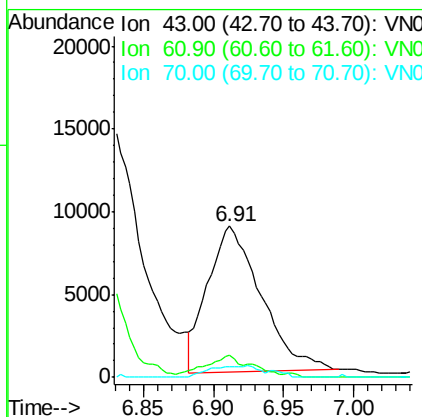
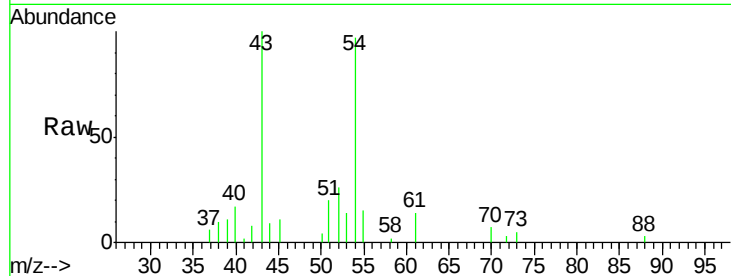
#37
Ethyl Acetate
Concen: 5.397 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.1	9.8	14.8#
70	7.2	6.7	10.1

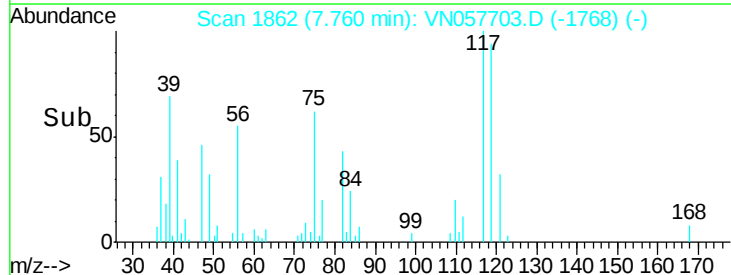
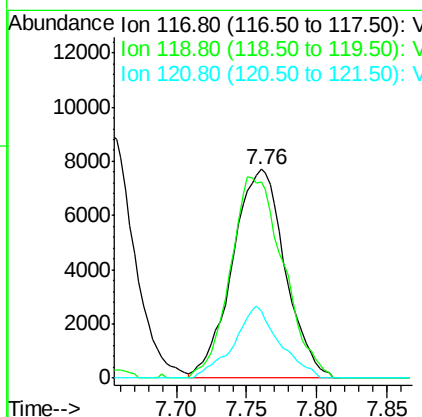
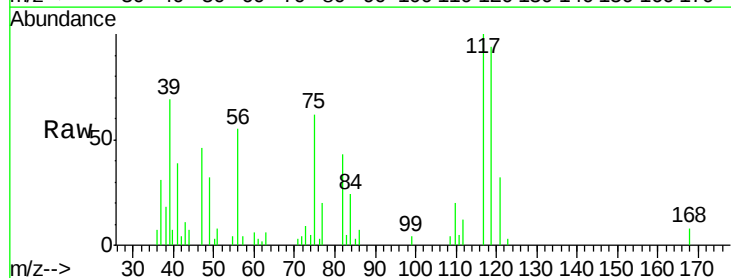
Manual Integrations
APPROVED

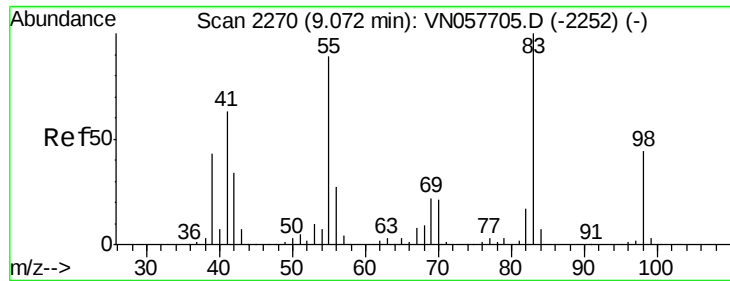
MMDadoda
9/9/2019 1:10:23 PM



#38
Carbon Tetrachloride
Concen: 4.647 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.1	114.1
121	32.4	23.4	35.2





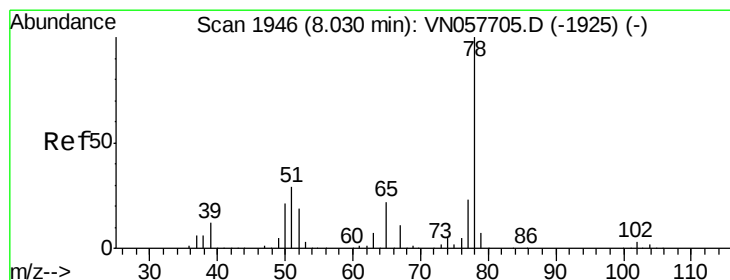
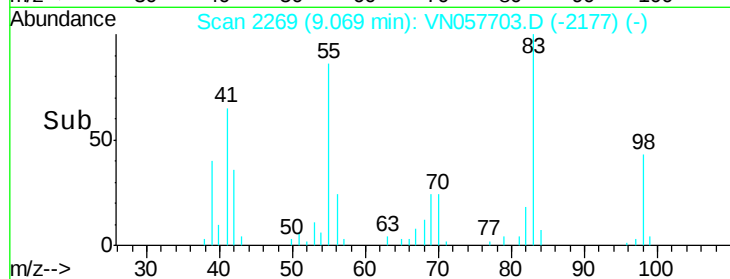
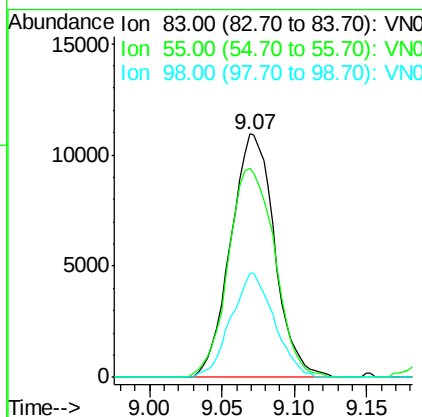
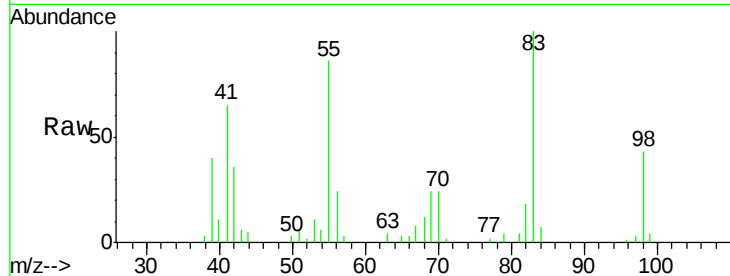
#39
Methvlcvclohexane
Concen: 4.891 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	71.4	107.0
98	42.6	35.3	52.9

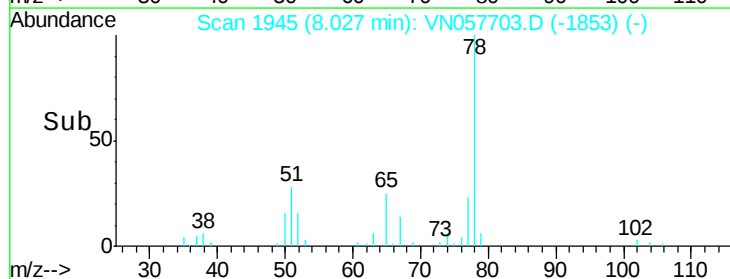
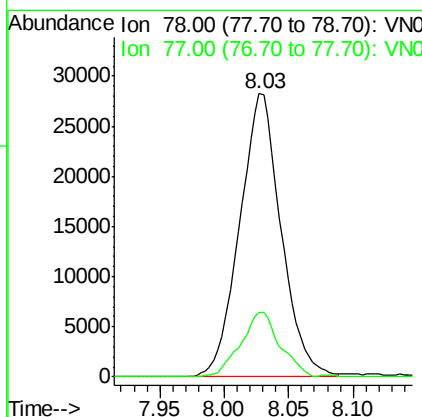
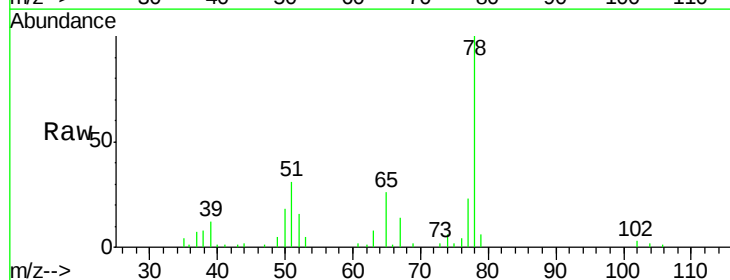
Manual Integrations
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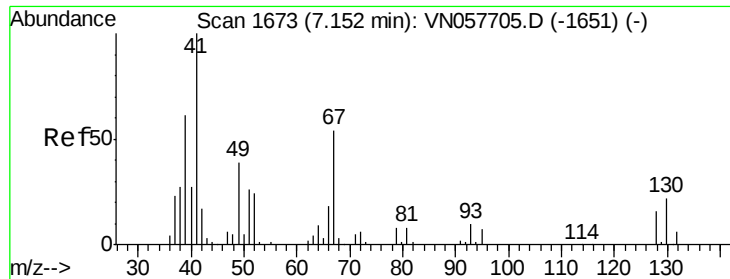
MMDadoda
9/9/2019 1:10:23 PM



#40
Benzene
Concen: 5.127 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	28.0





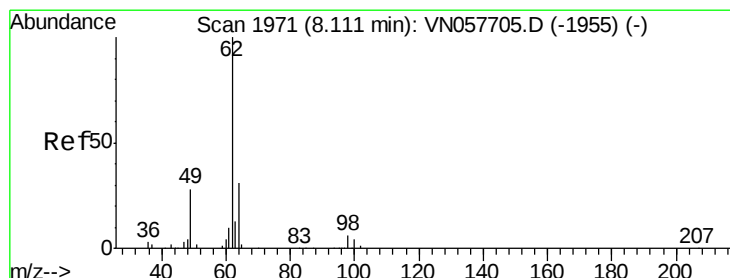
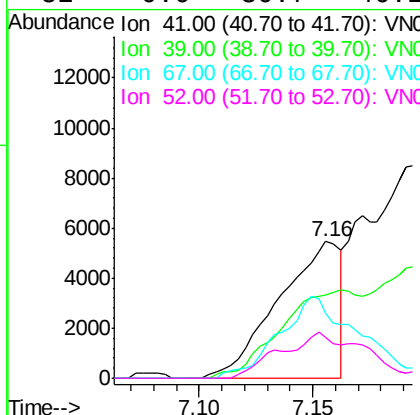
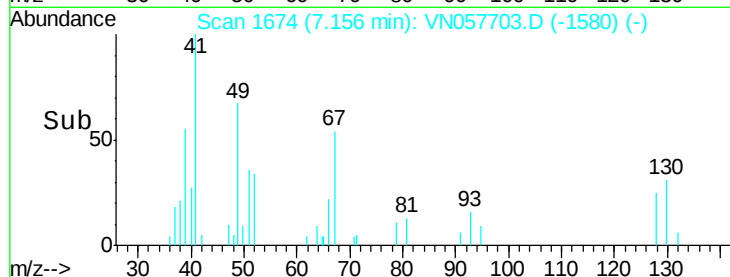
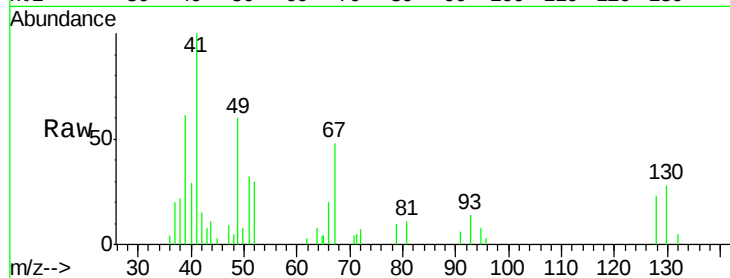
#41
Methacrylonitrile
Concen: 5.729 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.1	43.6	65.4#
67	0.0	59.8	89.6#
52	0.0	30.7	46.1#

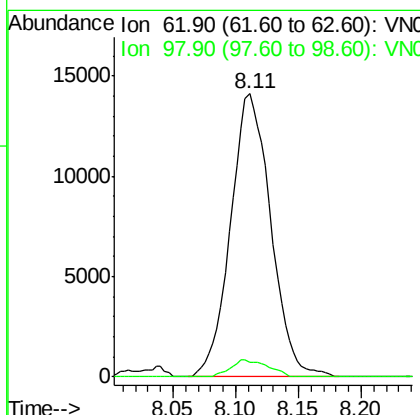
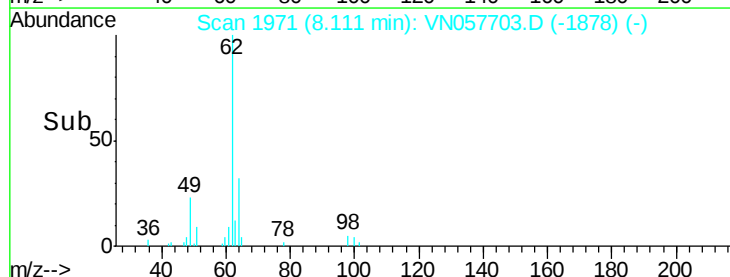
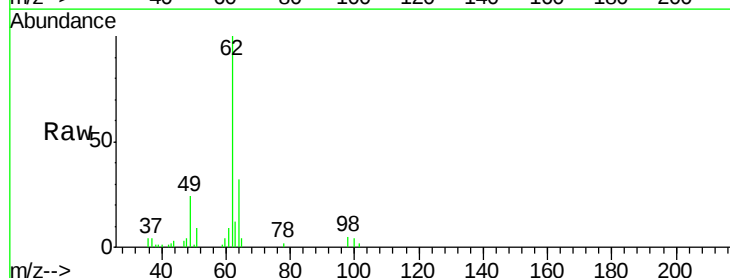
Manual Integrations
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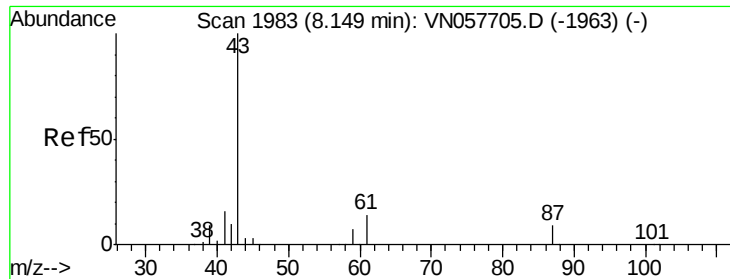
MMDadoda
9/9/2019 1:10:23 PM



#42
1,2-Dichloroethane
Concen: 5.548 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	12.6





#43

Isopropyl Acetate

Concen: 5.308 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

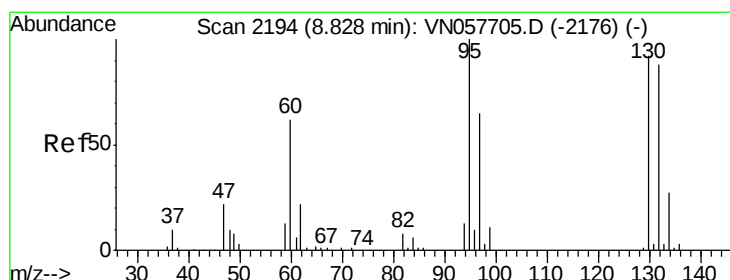
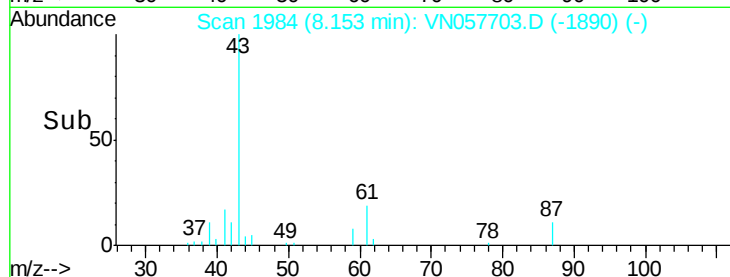
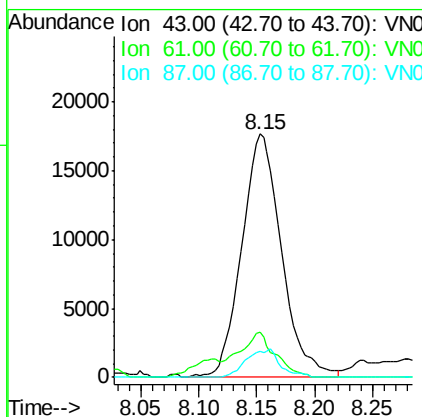
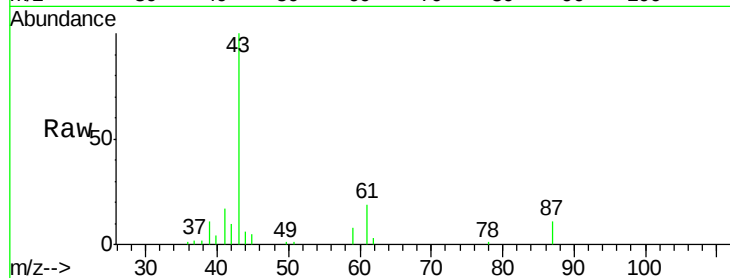
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	42182
Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.8	19.2
87	9.9	7.8	11.8

Manual Integrations
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#44

Trichloroethene

Concen: 4.580 ug/l

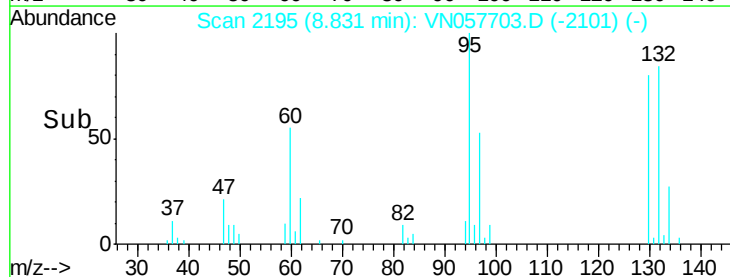
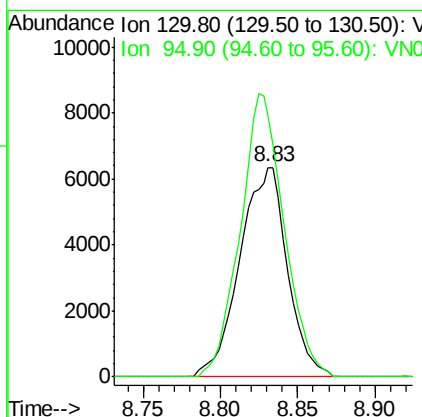
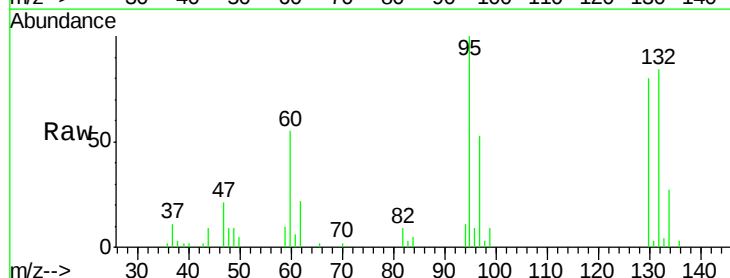
RT: 8.83 min Scan# 2195

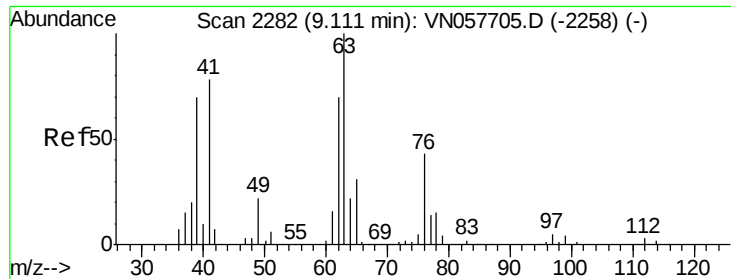
Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	130	Resp:	13524
Ion	Ratio	Lower	Upper
130	100		
95	124.5	0.0	217.8





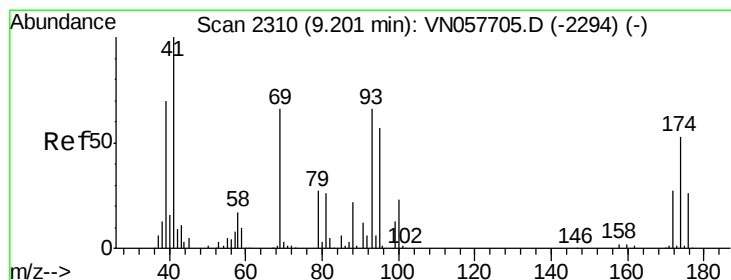
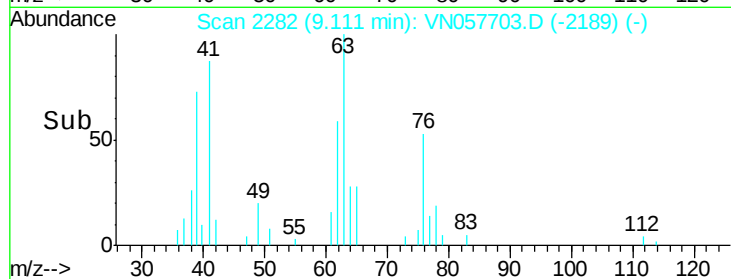
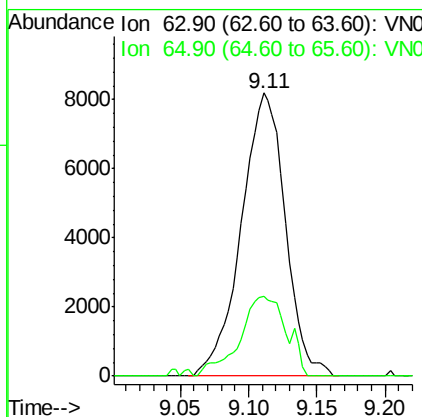
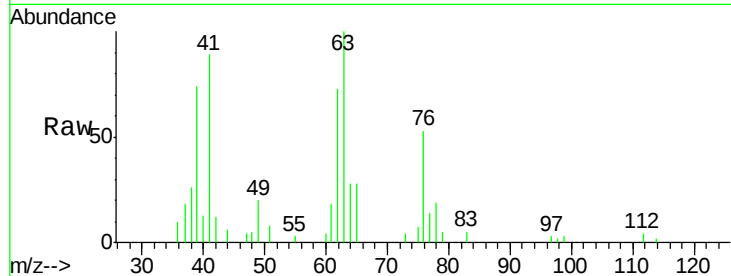
#45
 1,2-Dichloropropane
 Concen: 5.330 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18367
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.5 36.7

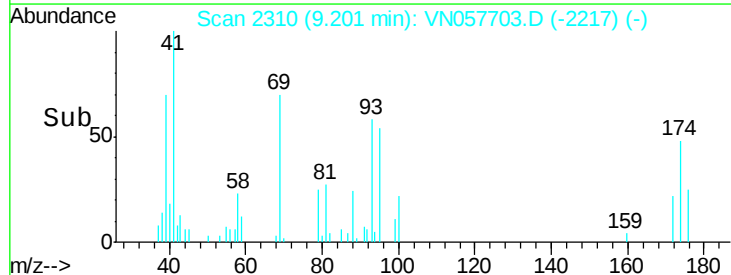
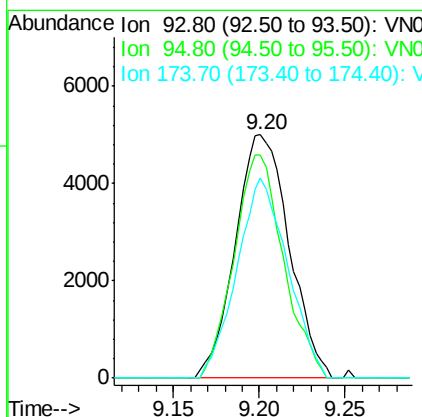
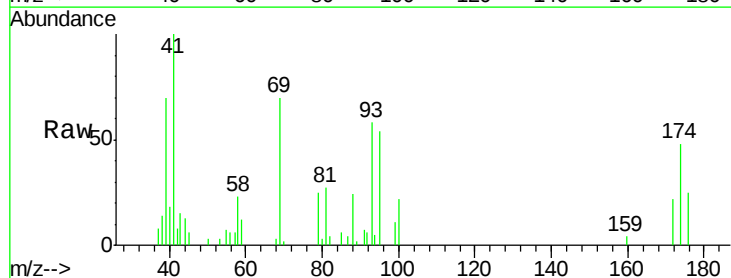
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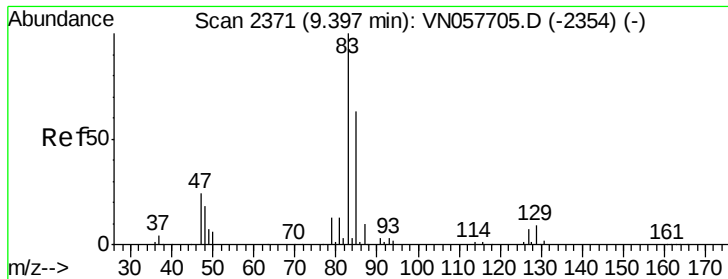
MMDadoda
 9/9/2019 1:10:23 PM



#46
 Dibromomethane
 Concen: 4.853 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 93 Resp: 10893
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.1 99.1
 174 77.2 63.4 95.2





#47

Bromodichloromethane

Concen: 4.689 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

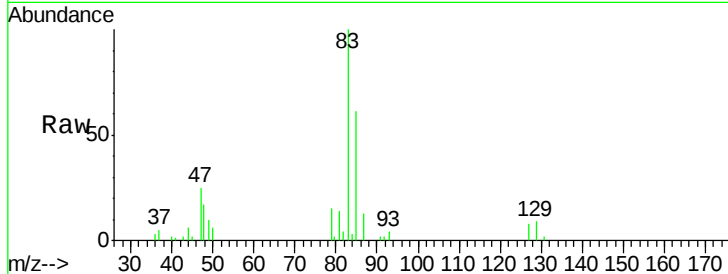
ClientSampleId :

VSTDIC005

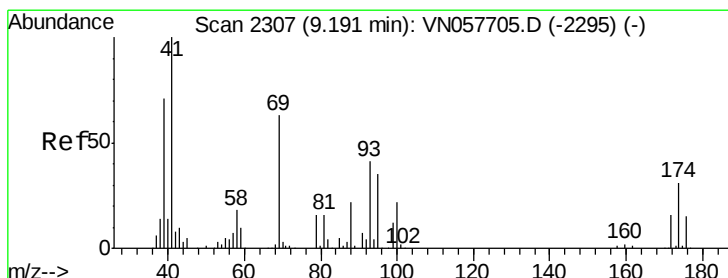
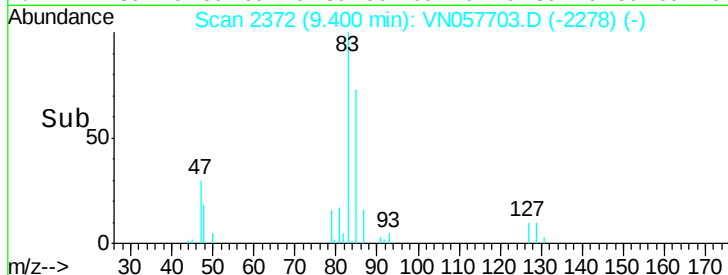
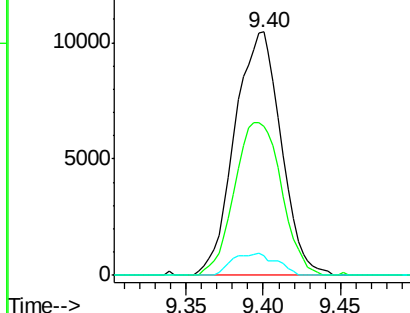
Tot Ion:	83	Resp:	21773
Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.7	76.1
127	8.1	5.6	8.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 5.484 ug/l

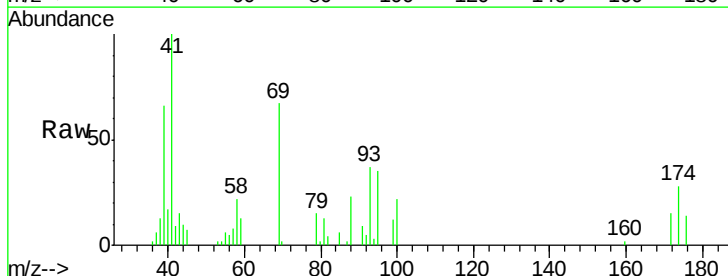
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

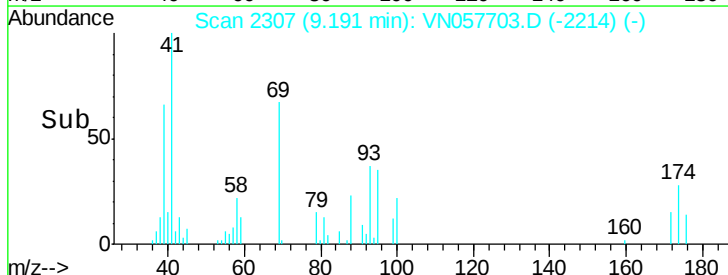
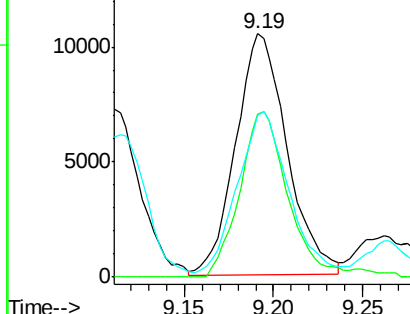
Lab File: VN057703.D

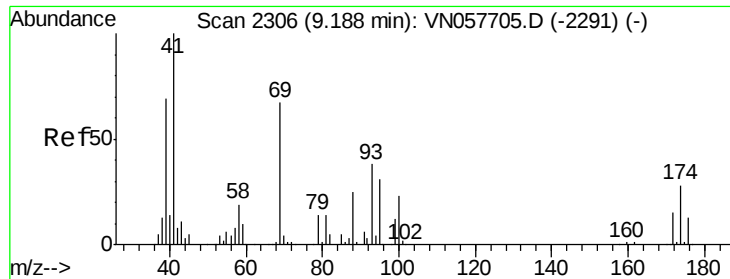
Acq: 5 Sep 2019 18:10

Tgt Ion:	41	Resp:	21040
Ion	Ratio	Lower	Upper
41	100		
69	63.9	51.2	76.8
39	70.1	57.3	85.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





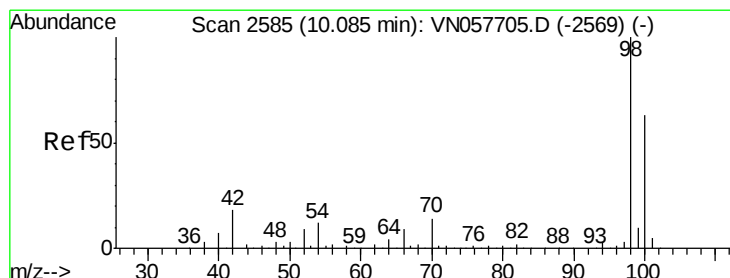
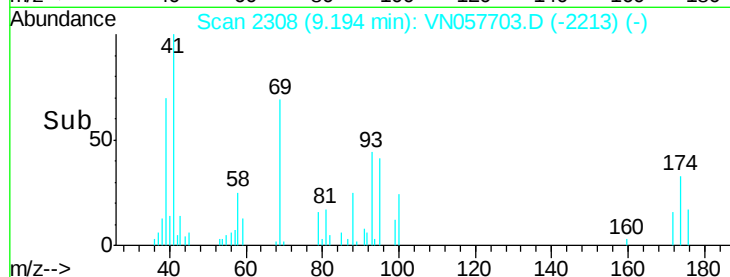
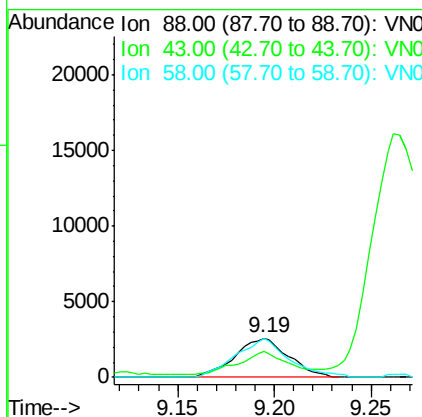
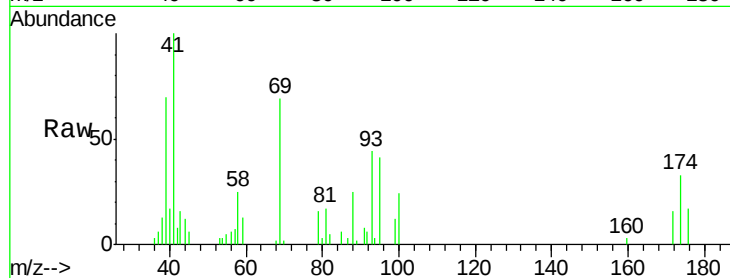
#49
1,4-Dioxane
Concen: 91.970 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.2	35.4	53.2#
58	99.0	61.5	92.3#

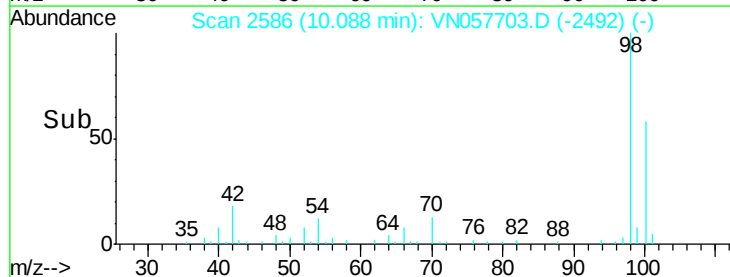
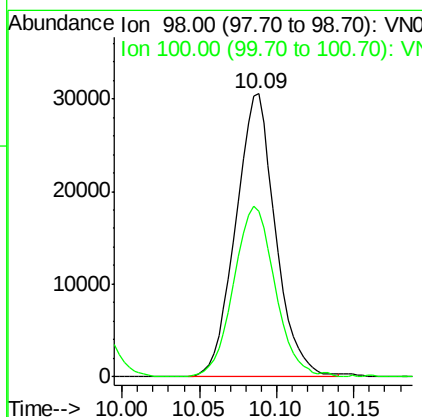
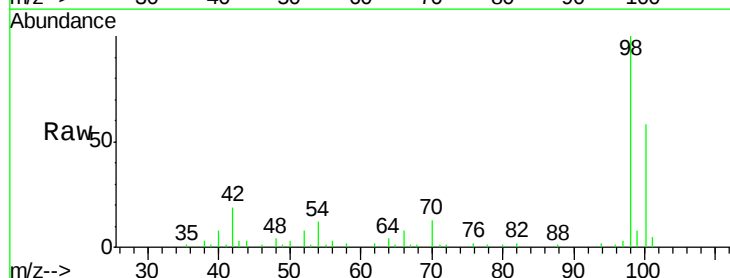
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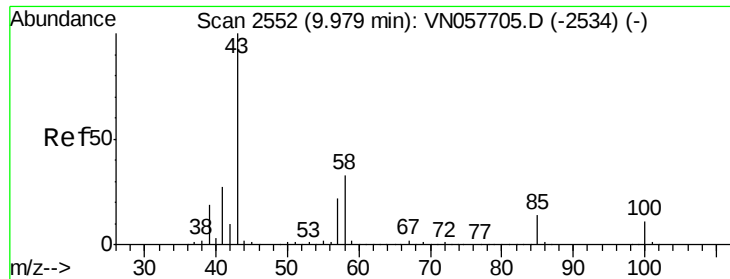
MMDadoda
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#50
Toluene-d8
Concen: 4.798 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.7	76.1





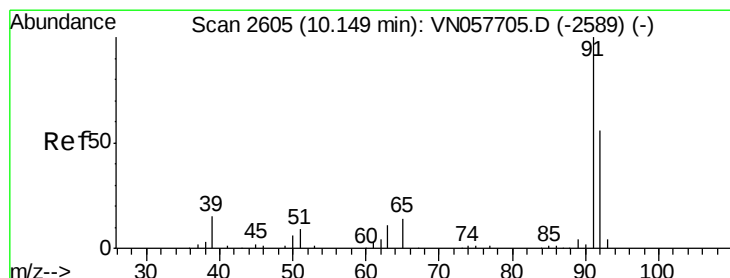
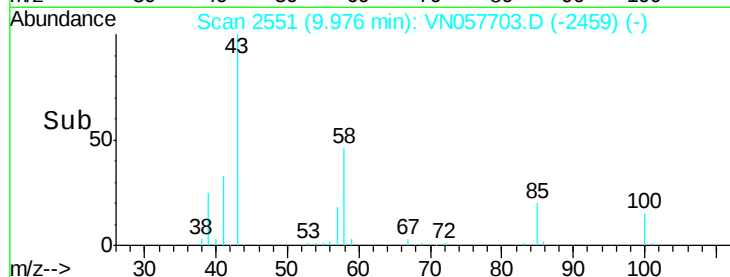
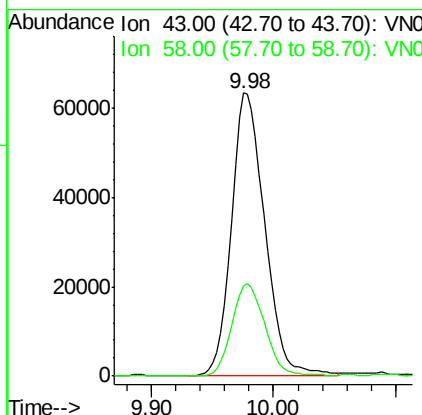
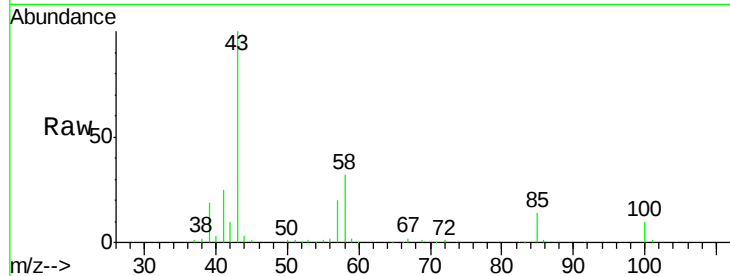
#51
4-Methyl-2-Pentanone
Concen: 27.239 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 119458
Ion Ratio Lower Upper
43 100
58 32.7 25.8 38.8

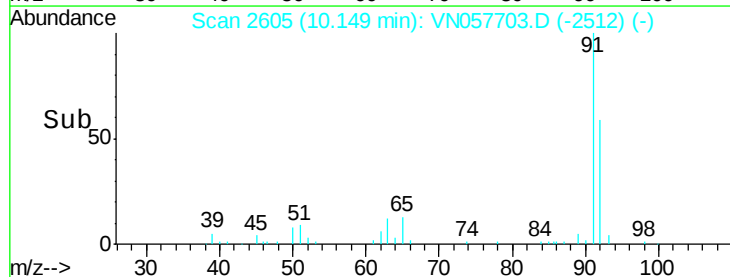
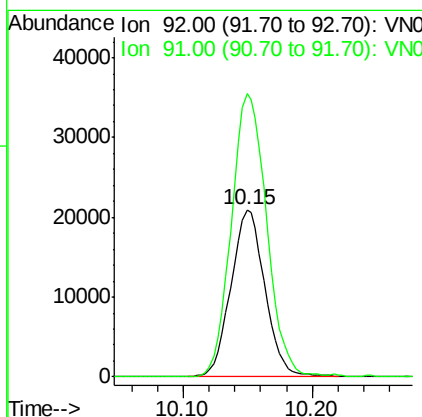
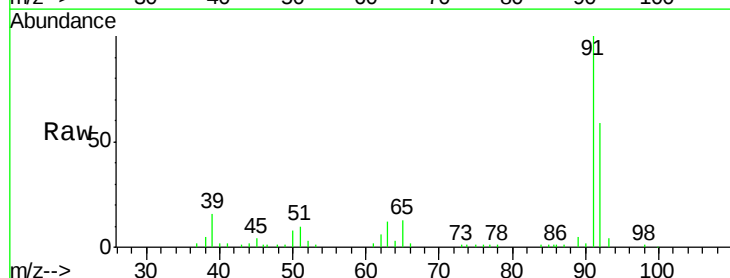
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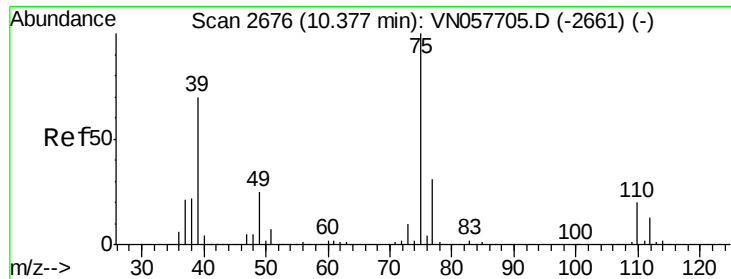
MMDadoda
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#52
Toluene
Concen: 5.022 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 92 Resp: 38378
Ion Ratio Lower Upper
92 100
91 175.6 141.5 212.3





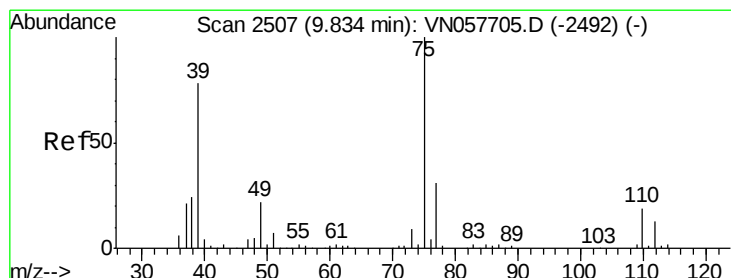
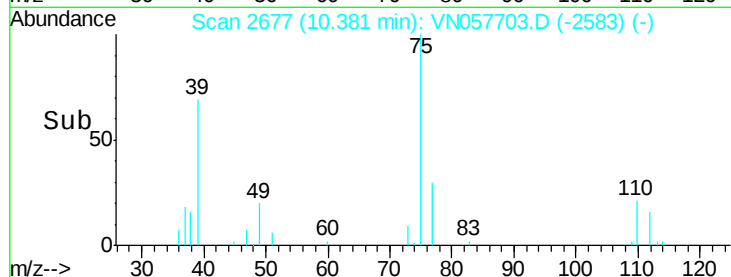
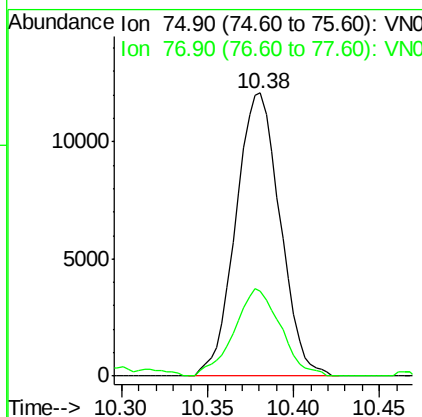
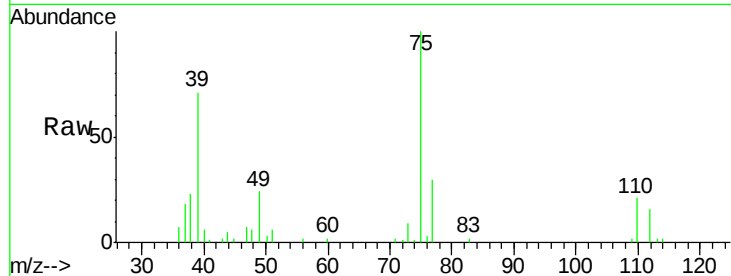
#53
 t-1,3-Dichloropropene
 Concen: 4.547 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 21591
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.1 37.7

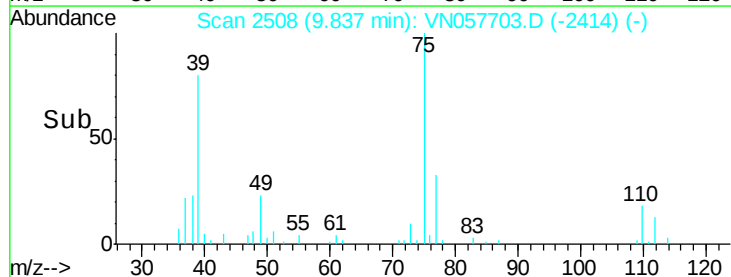
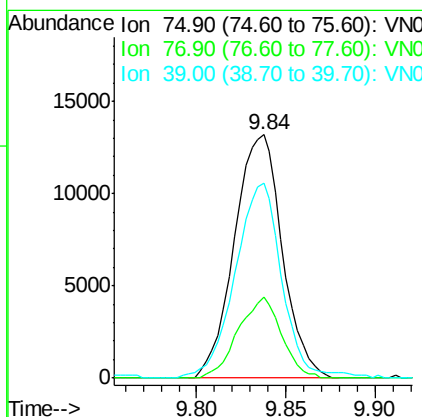
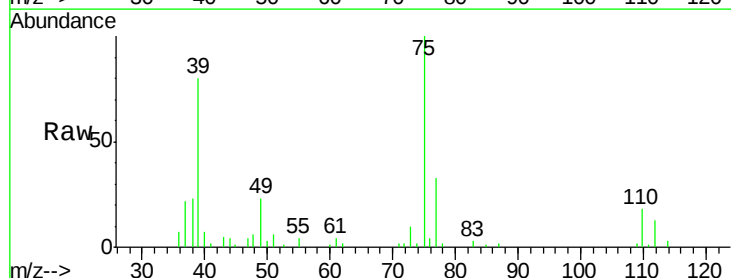
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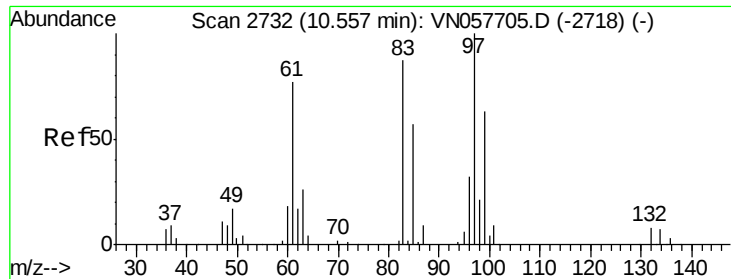
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#54
 cis-1,3-Dichloropropene
 Concen: 4.761 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 75 Resp: 24664
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.1 37.7
 39 78.7 62.4 93.6





#55

1,1,2-Trichloroethane

Concen: 5.362 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

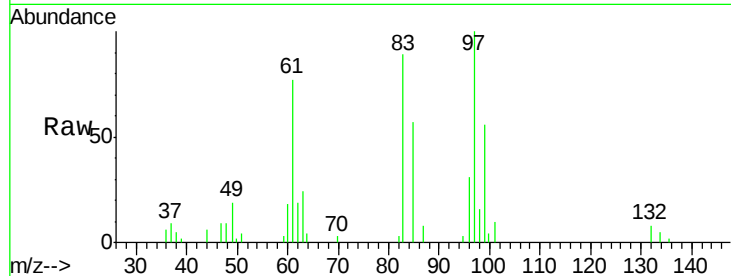
ClientSampled :

VSTDIC005

Tot Ion:	97	Resp:	16323
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.5	104.3
85	56.8	45.7	68.5
99	56.5	50.2	75.4

Manual Integrations
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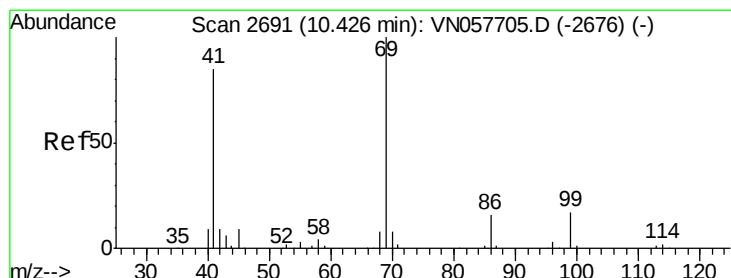
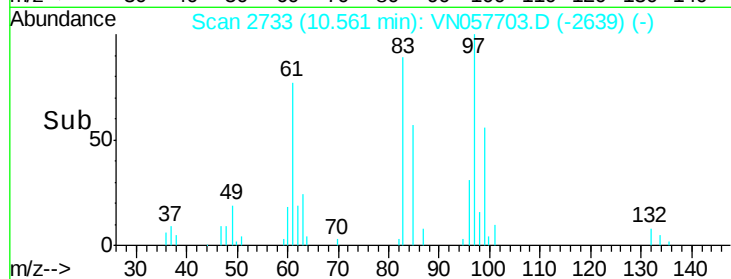
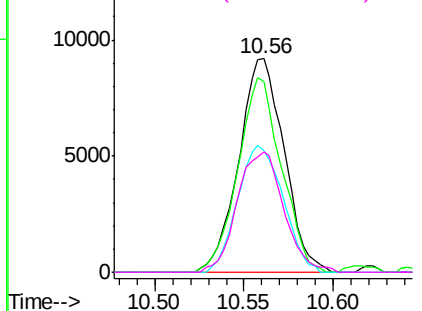


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.286 ug/l

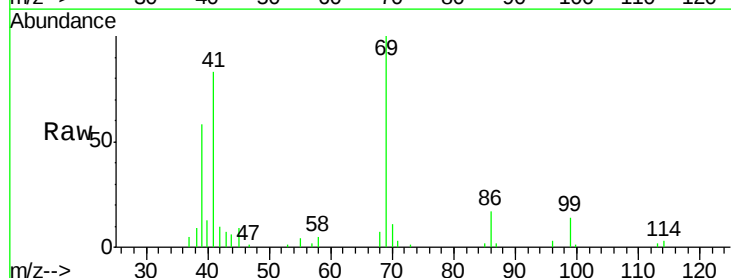
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

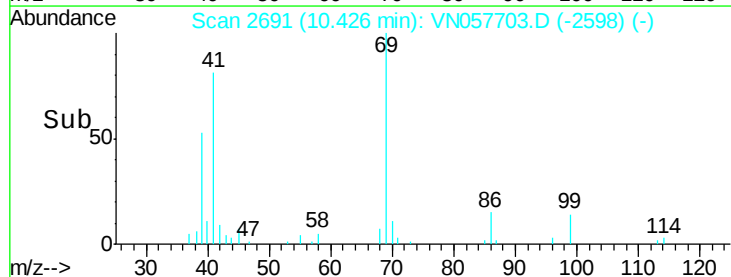
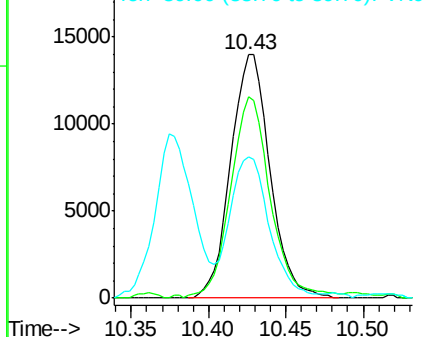
Tgt Ion:	69	Resp:	24737
Ion	Ratio	Lower	Upper
69	100		
41	83.9	69.0	103.4
39	58.4	49.2	73.8

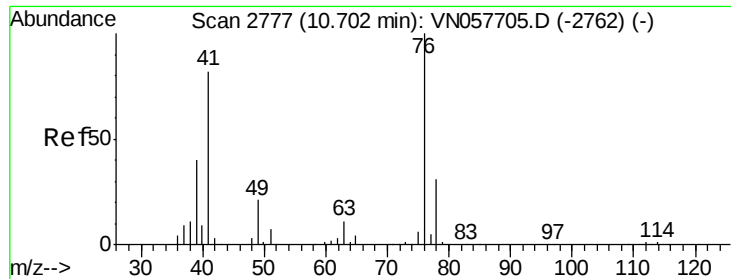


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.357 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28782

Ion Ratio Lower Upper

76 100

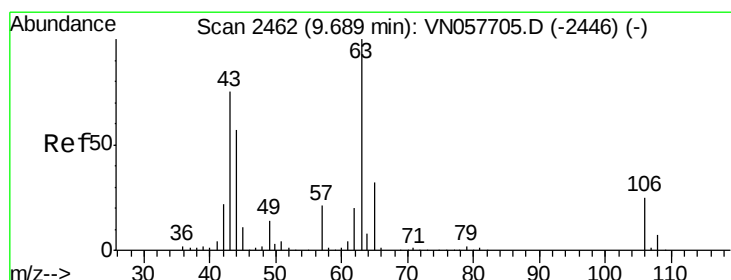
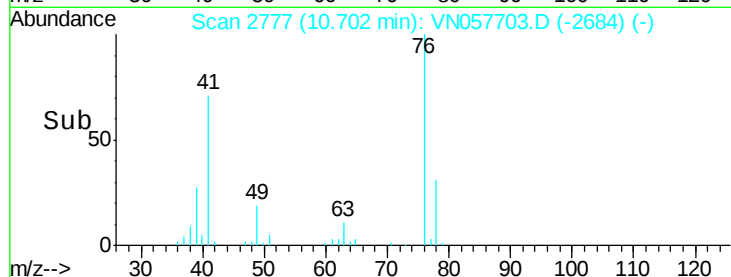
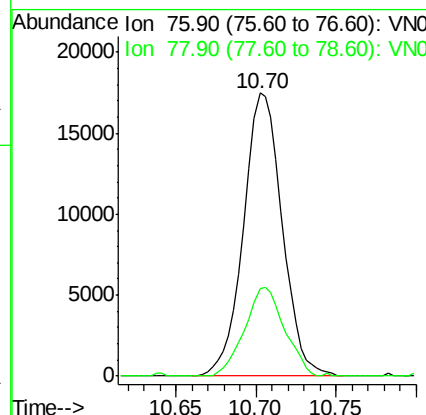
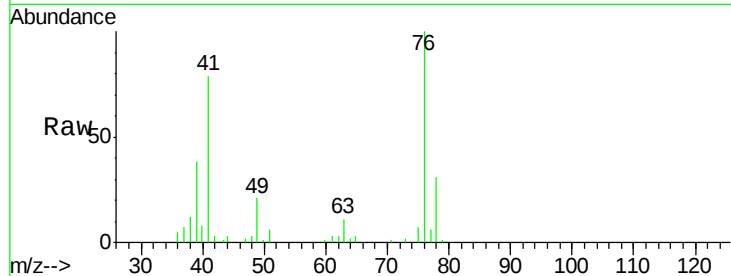
78 32.4 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 37.268 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057703.D

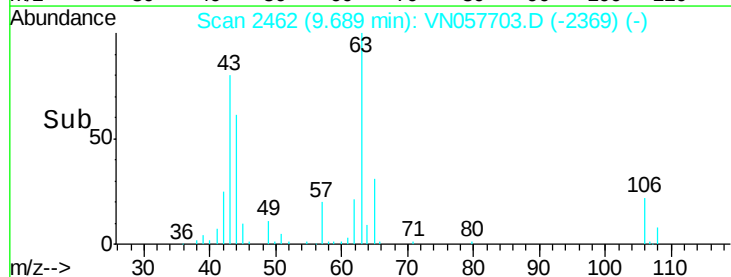
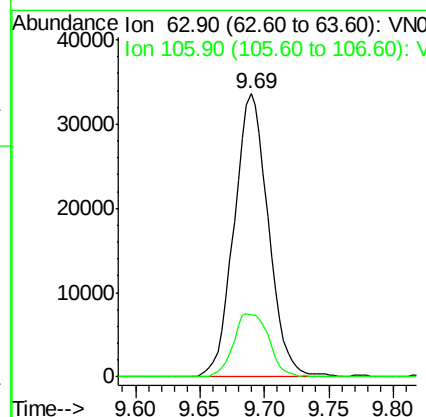
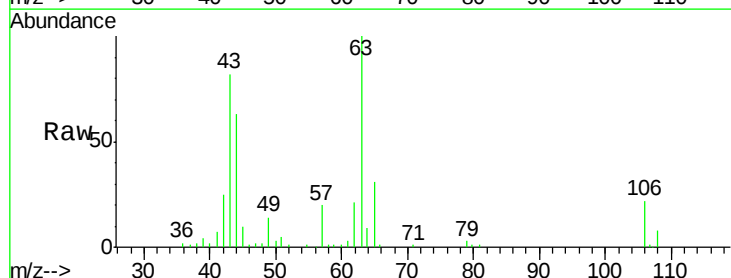
Acq: 5 Sep 2019 18:10

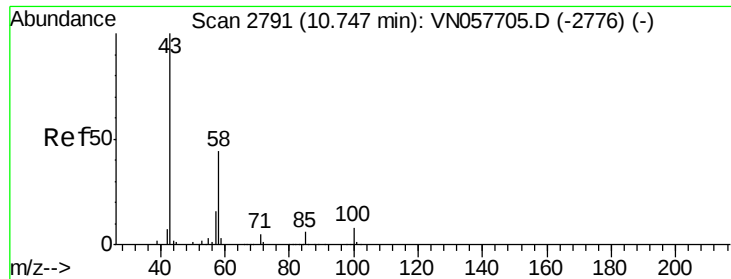
Tgt Ion: 63 Resp: 61972

Ion Ratio Lower Upper

63 100

106 22.9 19.4 29.2





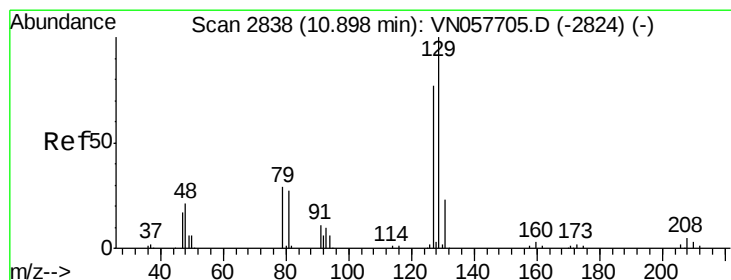
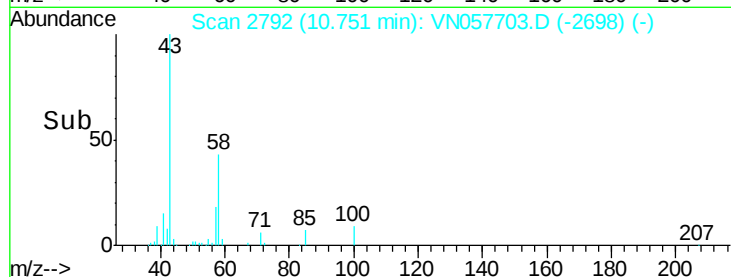
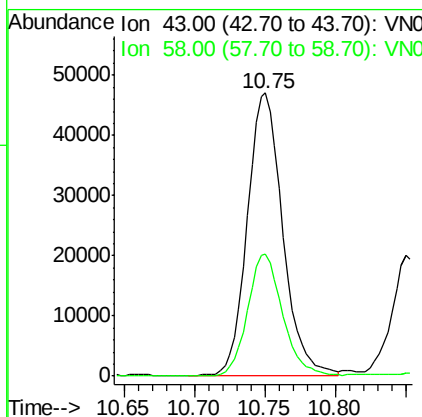
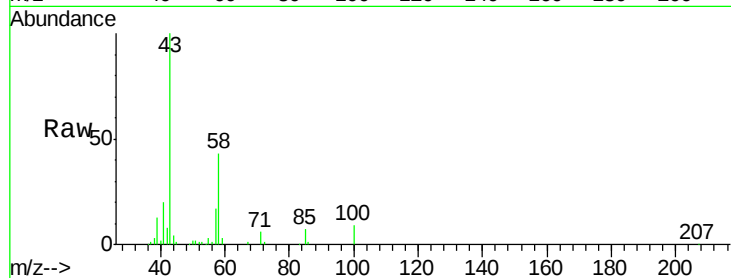
#59
2-Hexanone
Concen: 27.040 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 83131
Ion Ratio Lower Upper
43 100
58 42.3 22.1 66.5

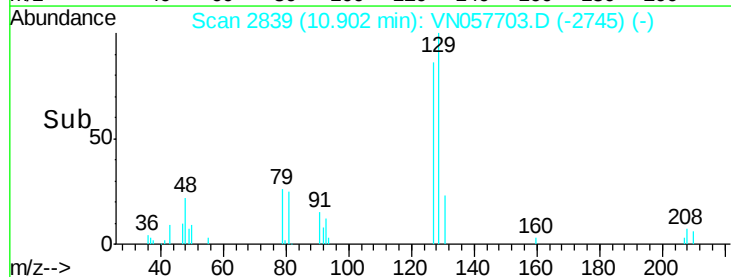
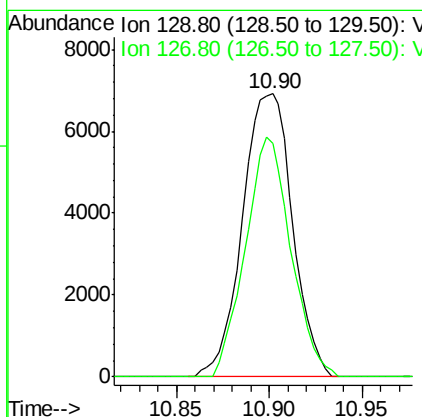
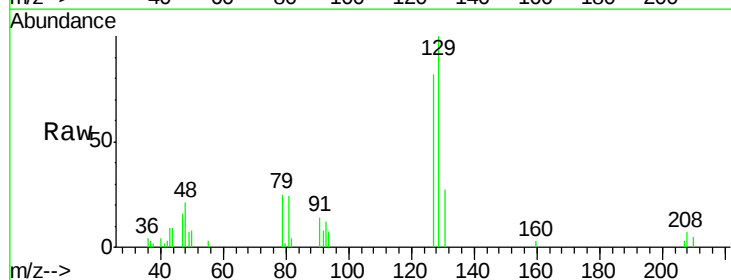
Manual Integrations
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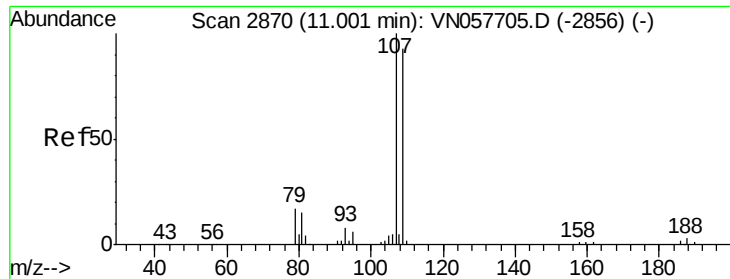
MMDadoda
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#60
Dibromochloromethane
Concen: 4.358 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 129 Resp: 13020
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 5.054 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 15066

Ion Ratio Lower Upper

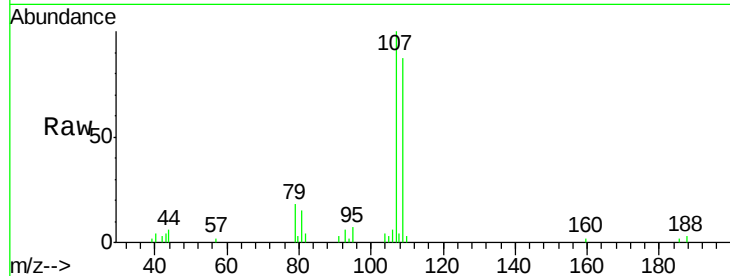
107 100

109 89.5 74.6 112.0

Manual Integrations
APPROVED

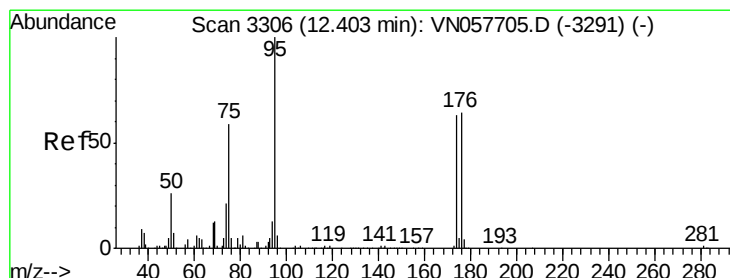
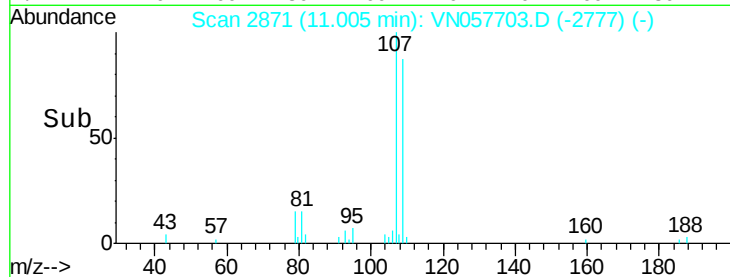
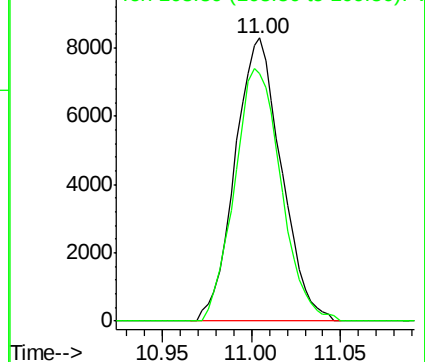
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.601 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

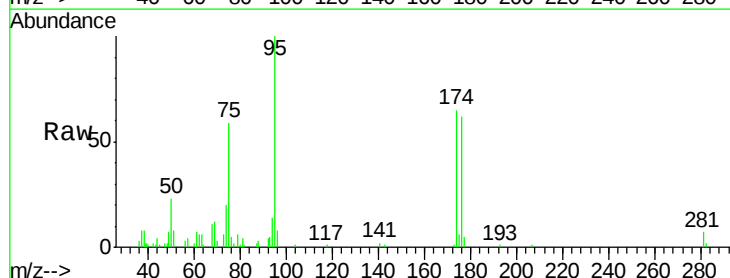
Tgt Ion: 95 Resp: 24246

Ion Ratio Lower Upper

95 100

174 70.1 0.0 128.0

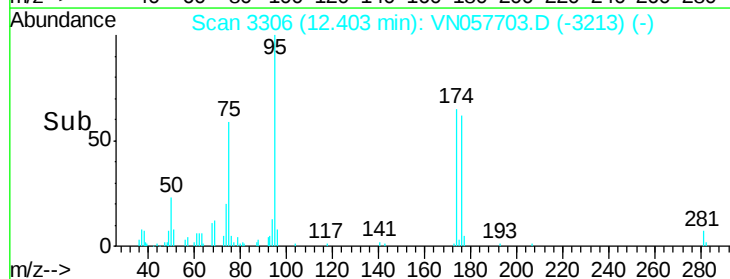
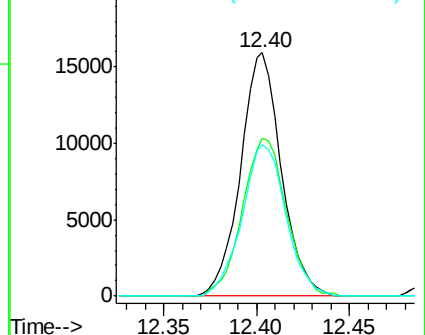
176 67.0 0.0 128.0

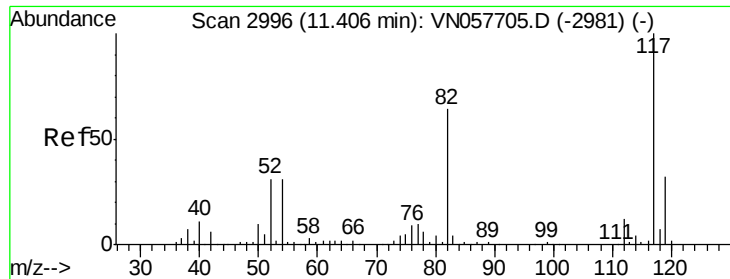


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





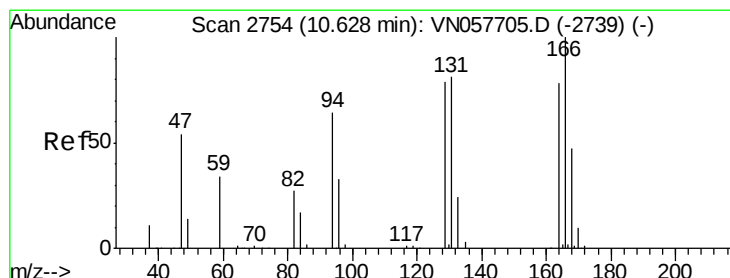
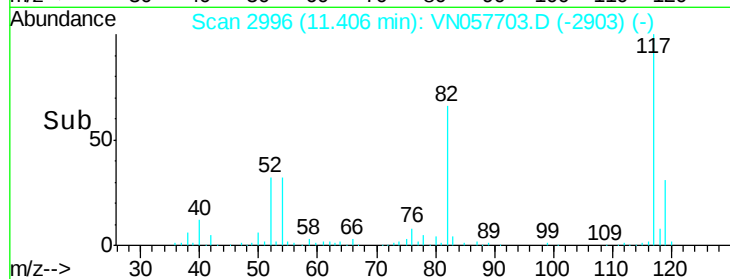
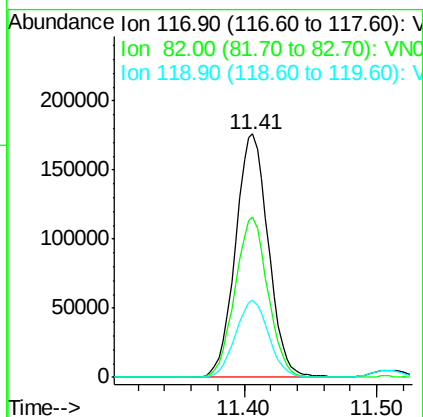
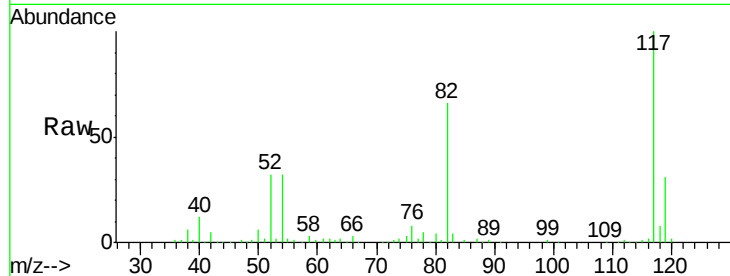
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.9	51.4	77.0
119	31.5	25.4	38.2

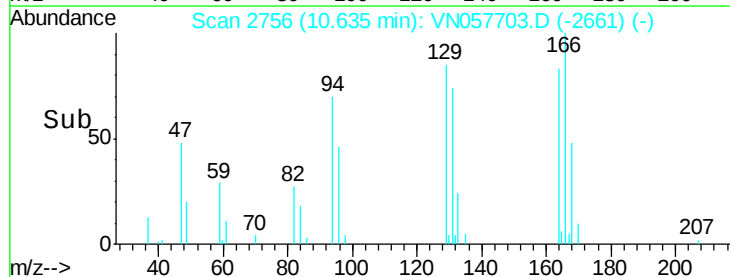
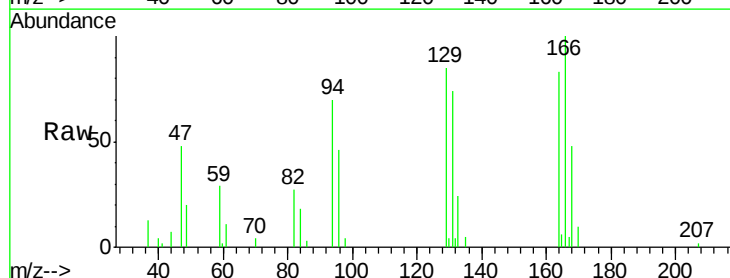
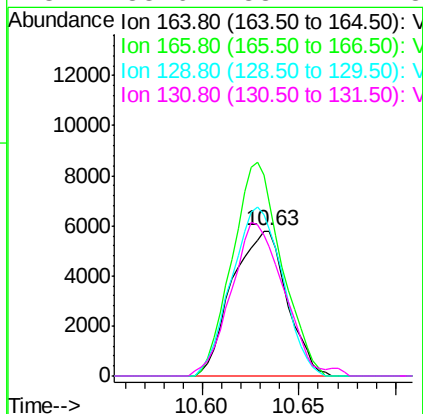
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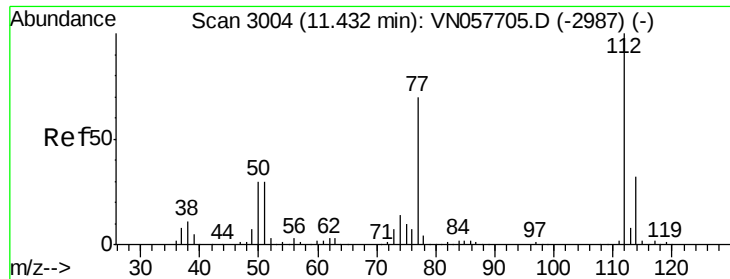
MMDadoda
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#64
Tetrachloroethene
Concen: 4.365 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	103.0	154.6
129	101.5	81.1	121.7
131	88.6	83.2	124.8





#65

Chlorobenzene

Concen: 5.180 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 39815

Ion Ratio Lower Upper

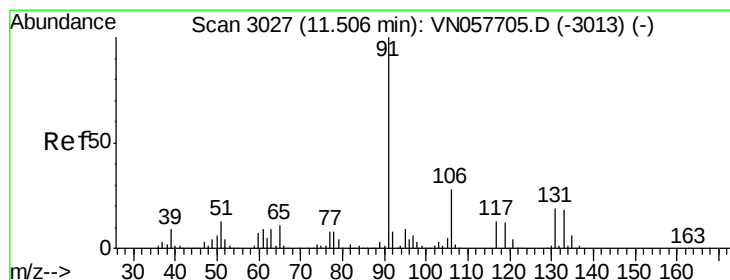
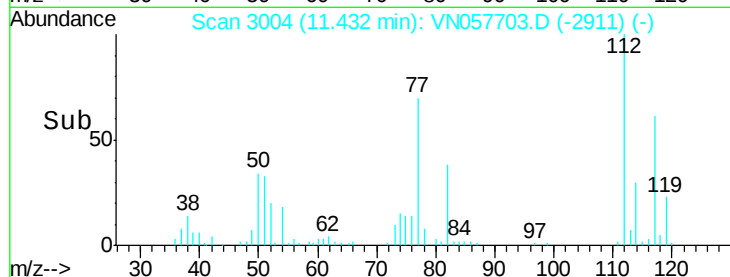
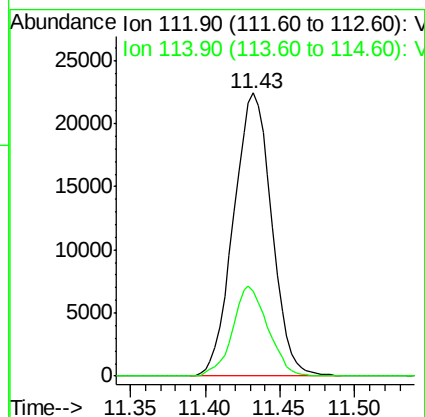
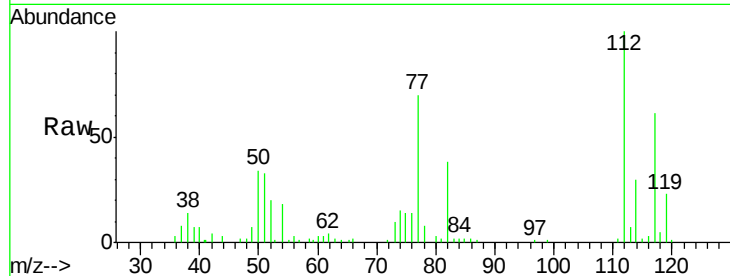
112 100

114 30.1 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.465 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

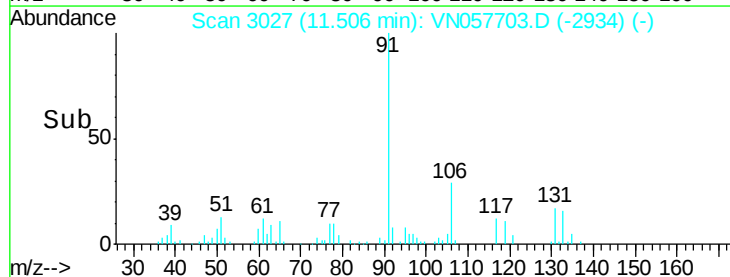
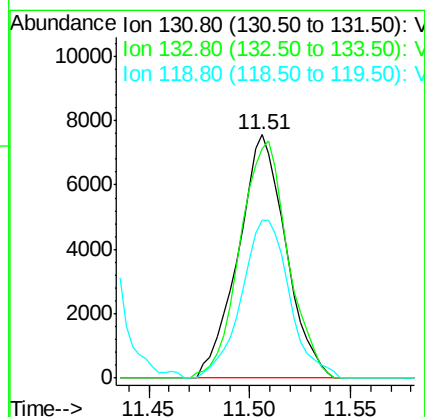
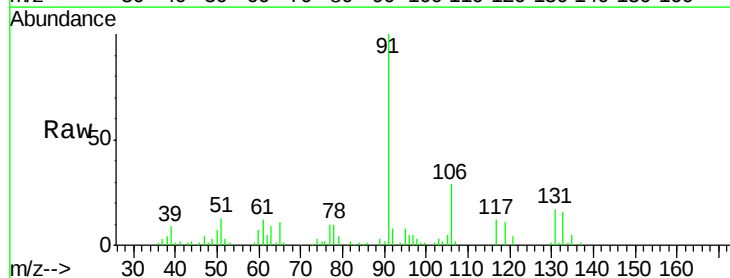
Tgt Ion:131 Resp: 12474

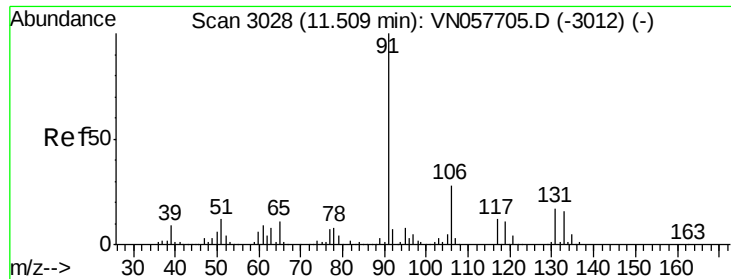
Ion Ratio Lower Upper

131 100

133 98.4 47.6 142.9

119 65.6 32.8 98.3





#67

Ethyl Benzene

Concen: 5.262 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 77219

Ion Ratio Lower Upper

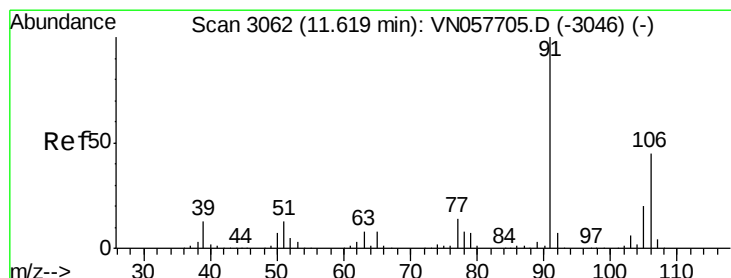
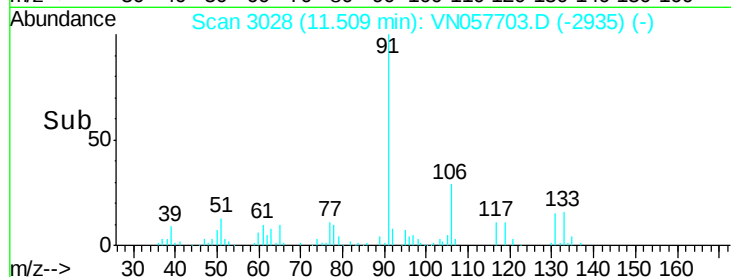
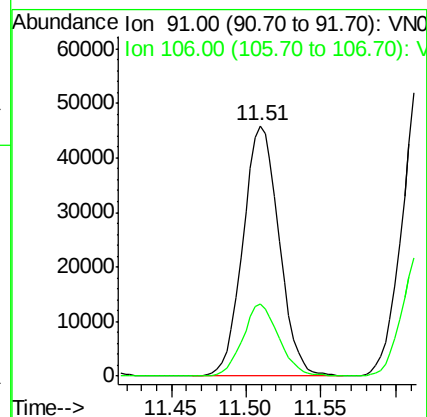
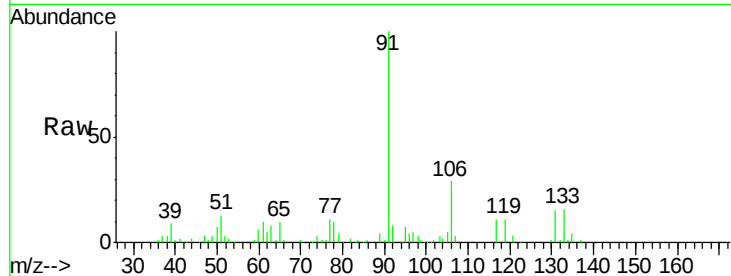
91 100

106 28.8 22.8 34.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 9.937 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057703.D

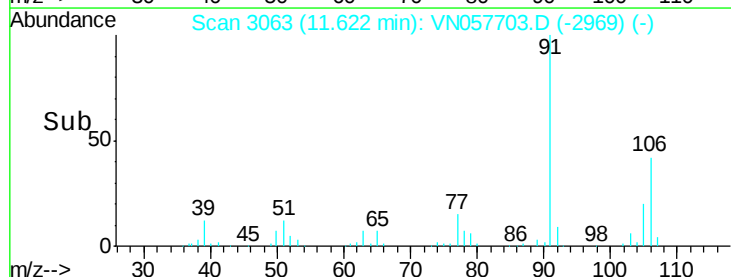
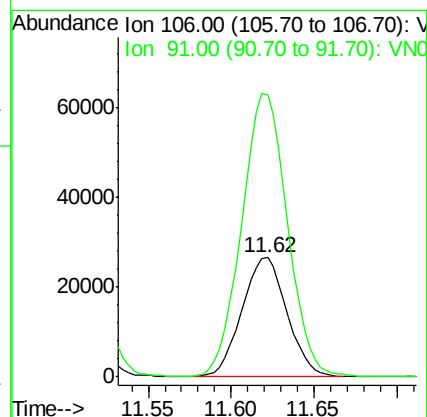
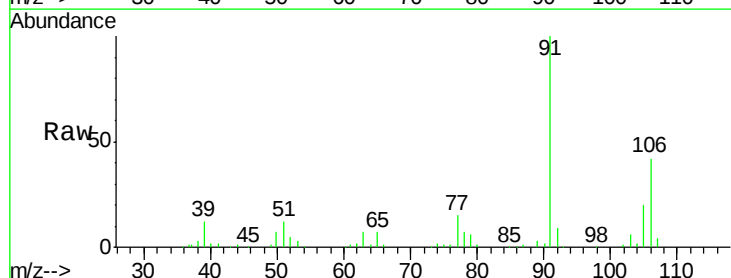
Acq: 5 Sep 2019 18:10

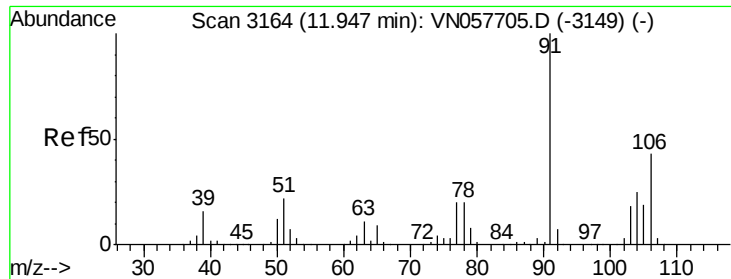
Tgt Ion: 106 Resp: 50228

Ion Ratio Lower Upper

106 100

91 241.3 179.8 269.8





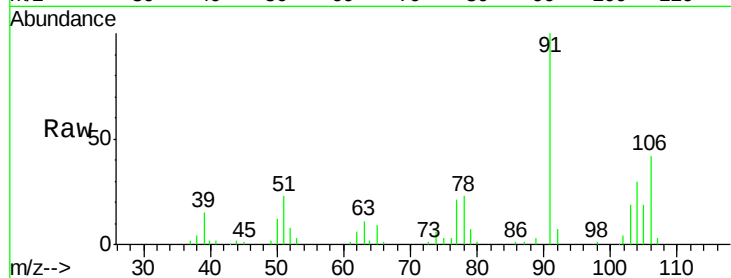
#69
o-Xylene
Concen: 5.054 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

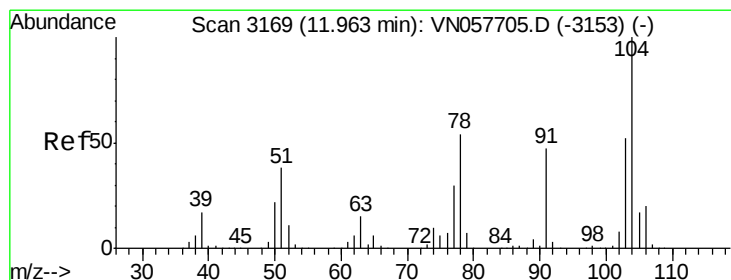
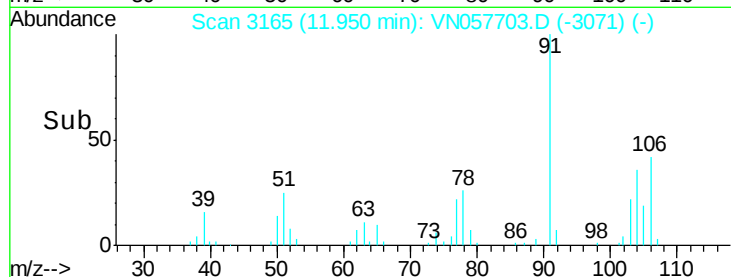
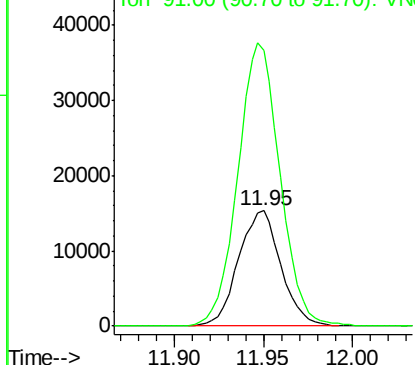
Tot Ion:106 Resp: 25456
Ion Ratio Lower Upper
106 100
91 244.6 116.8 350.4

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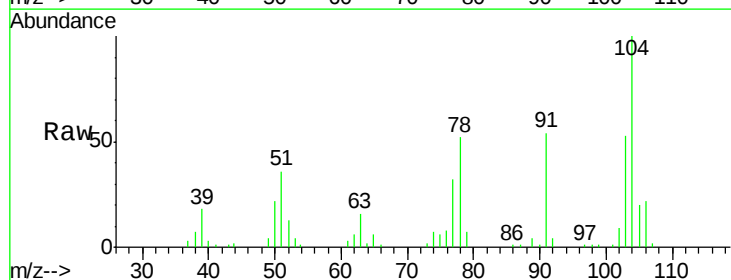


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

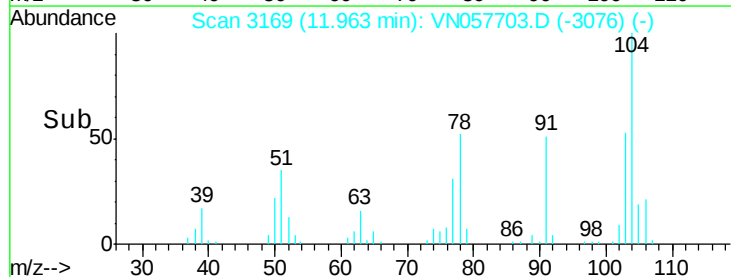
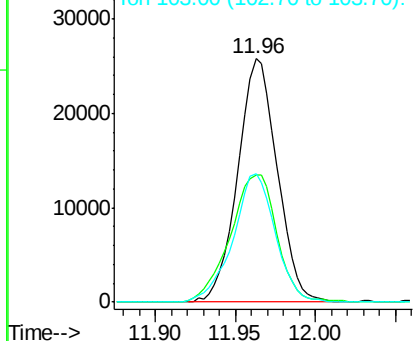


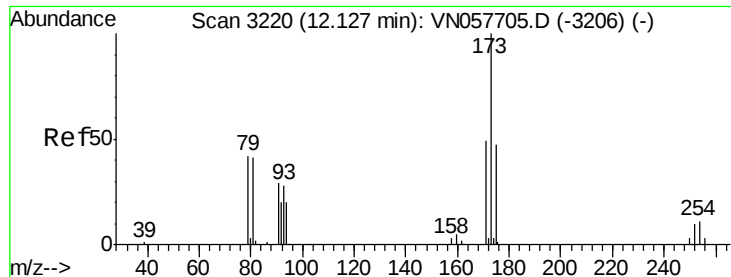
#70
Styrene
Concen: 5.401 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion:104 Resp: 43341
Ion Ratio Lower Upper
104 100
78 62.0 48.5 72.7
103 56.3 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.206 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7346

Ion Ratio Lower Upper

173 100

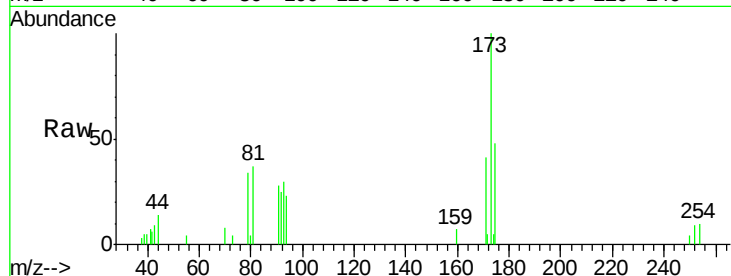
175 51.6 24.6 73.8

254 0.0 0.0 0.0

Manual Integrations
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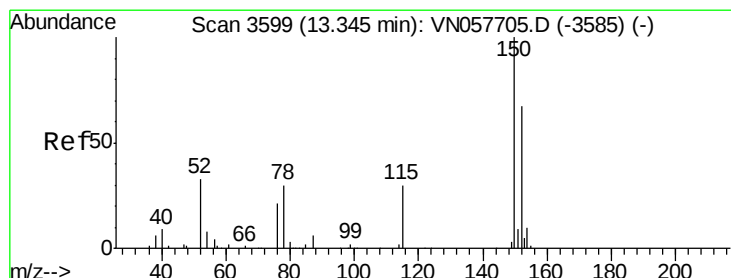
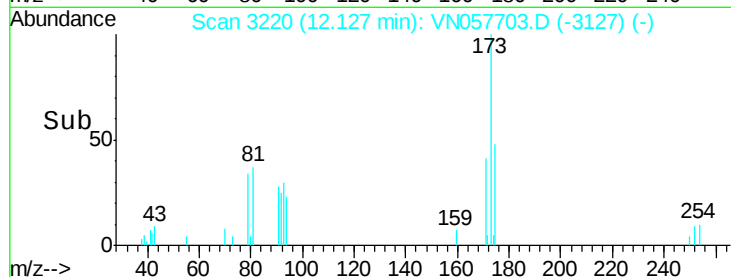
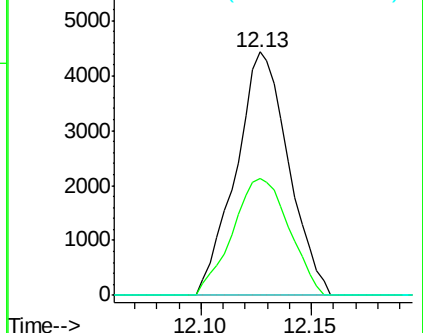
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

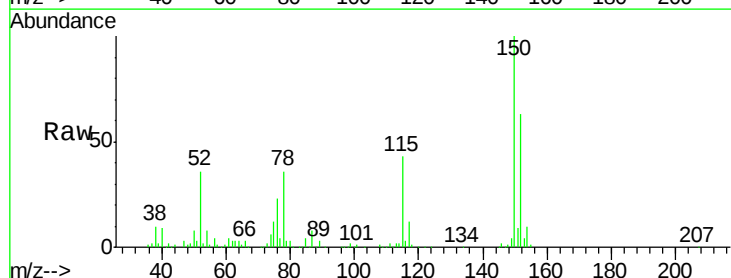
Tgt Ion:152 Resp: 157139

Ion Ratio Lower Upper

152 100

115 66.1 33.8 101.3

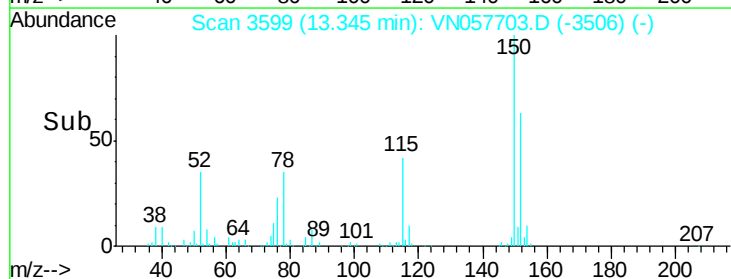
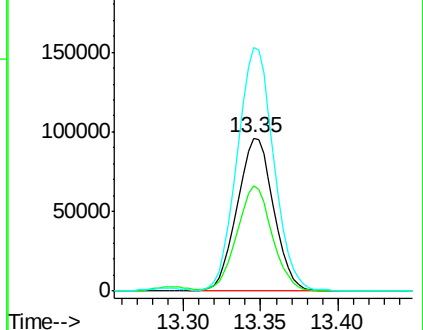
150 160.2 0.0 345.4

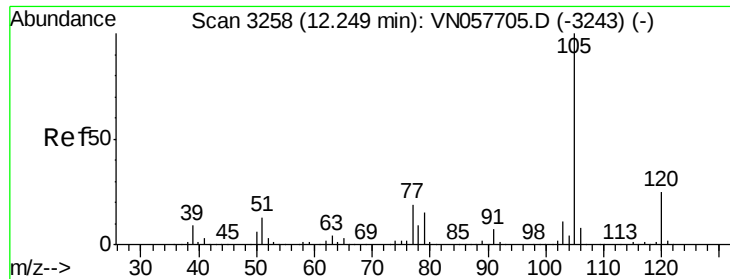


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.890 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 73311

Ion Ratio Lower Upper

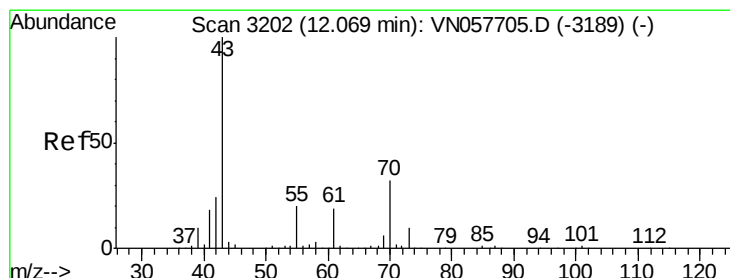
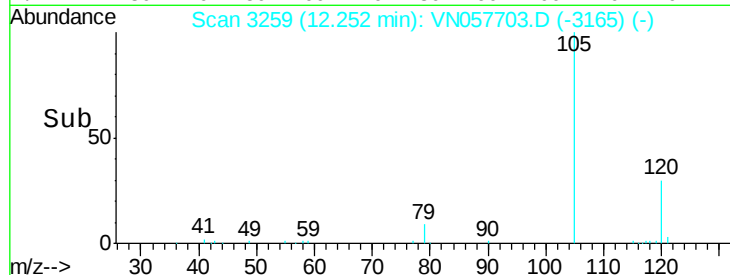
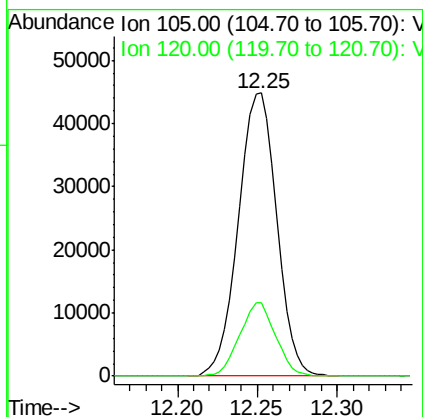
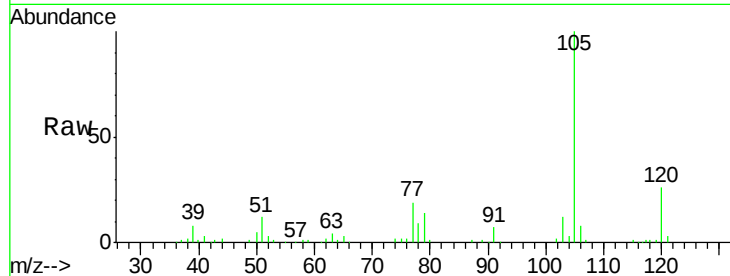
105 100

120 24.2 12.2 36.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 4.132 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion: 43 Resp: 32358

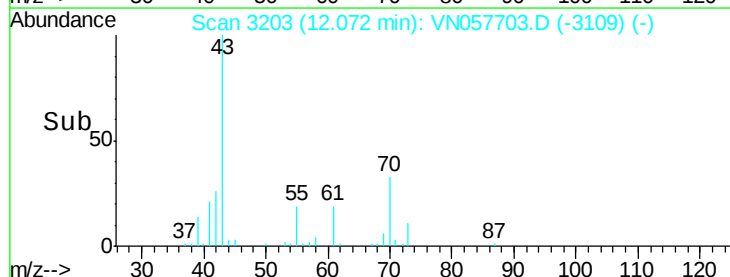
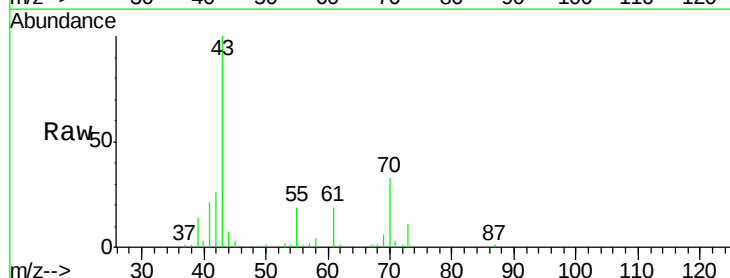
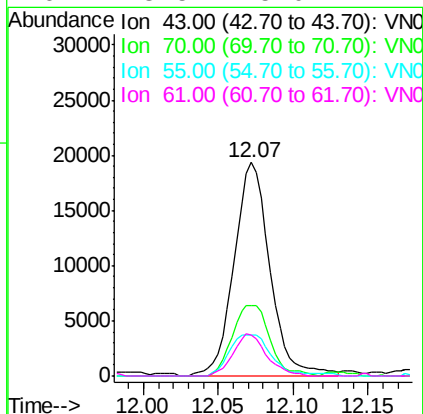
Ion Ratio Lower Upper

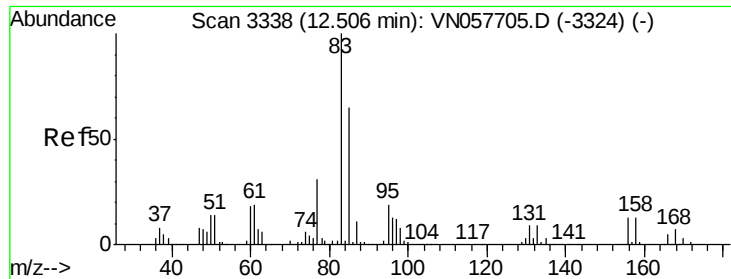
43 100

70 34.5 26.1 39.1

55 22.9 16.3 24.5

61 18.5 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.086 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

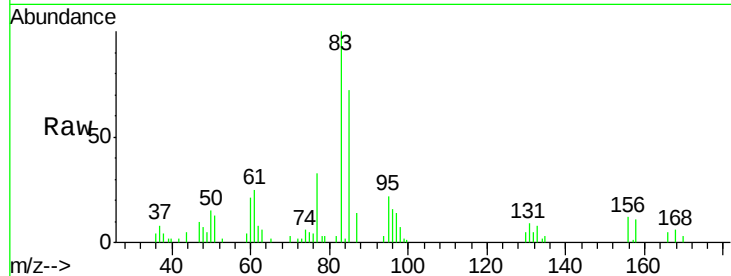
ClientSampleId :

VSTDIC005

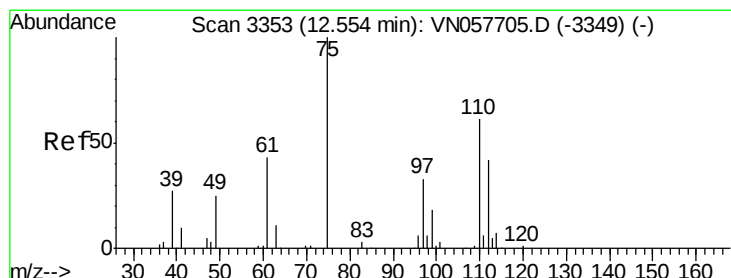
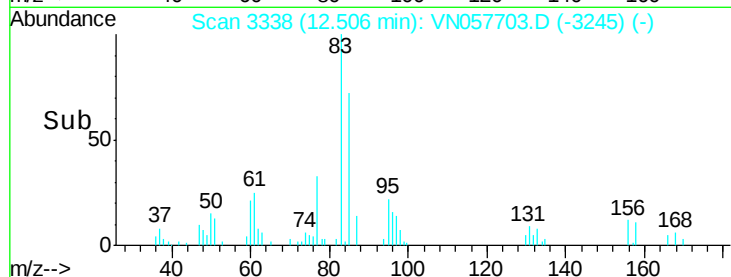
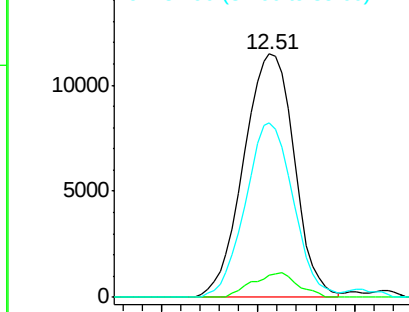
Tot Ion:	83	Resp:	20877
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	68.0	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 4.274 ug/l m

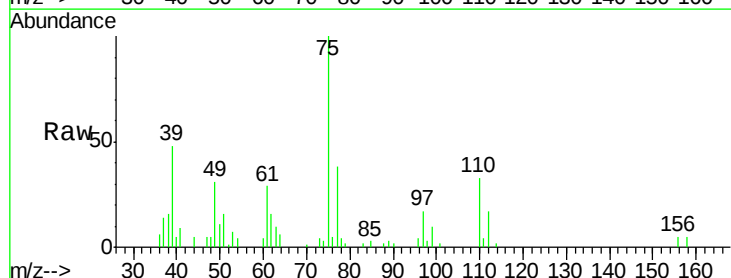
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

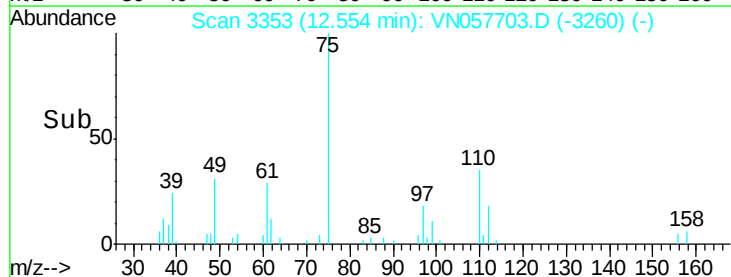
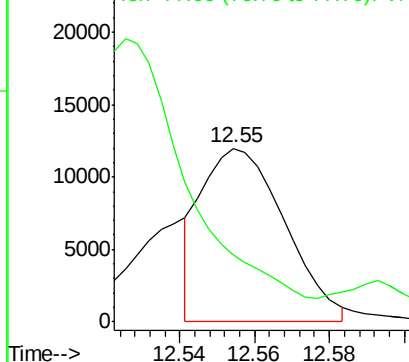
Lab File: VN057703.D

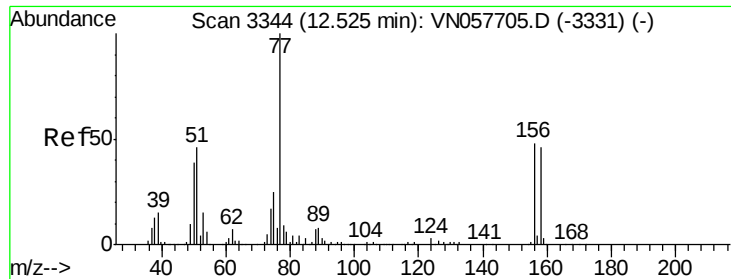
Acq: 5 Sep 2019 18:10

Tgt Ion:	75	Resp:	18446
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 3.863 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

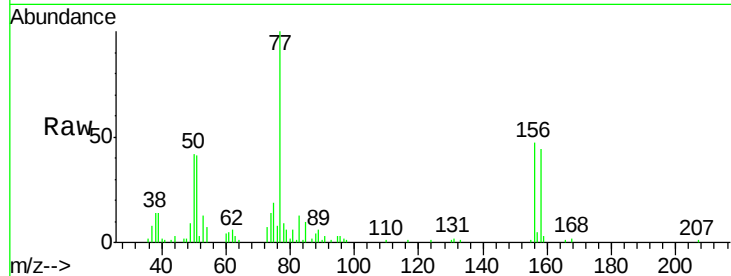
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	255.7	125.4	376.2	
158	96.1	49.3	147.9	

Manual Integrations
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9/9/2019 1:10:23 PM

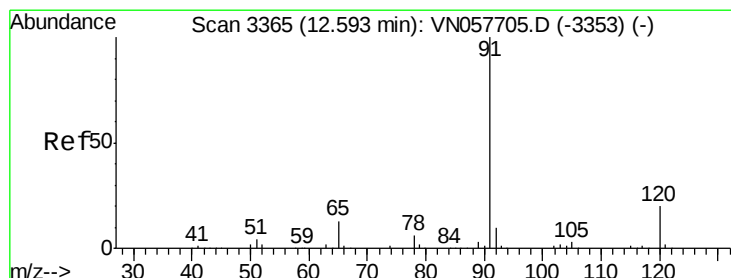
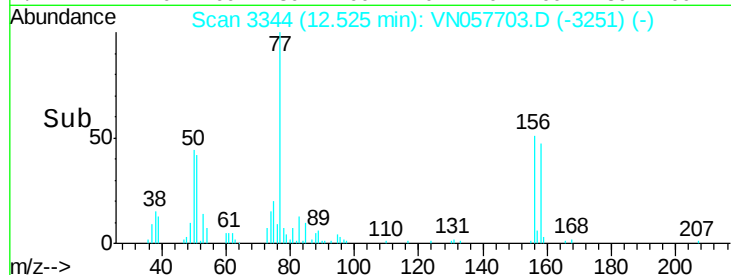
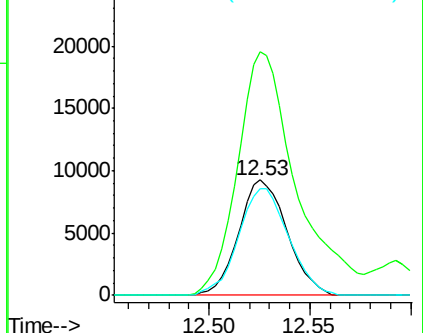


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.048 ug/l

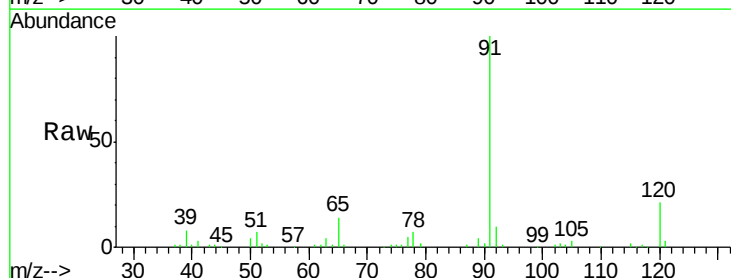
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

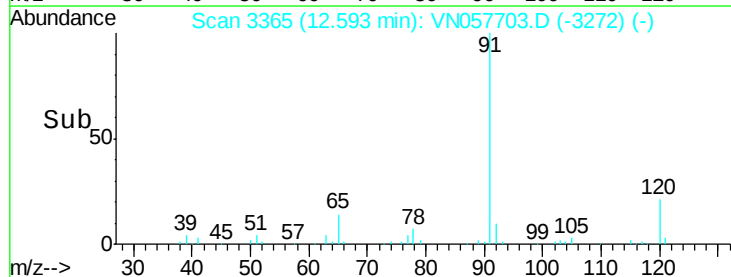
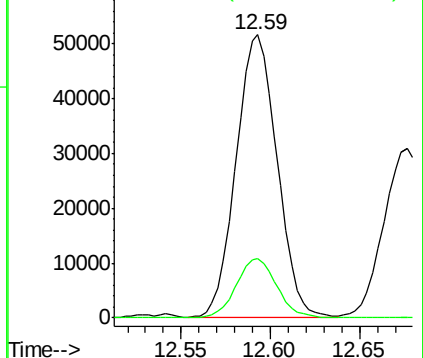
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.5	10.0	30.0	

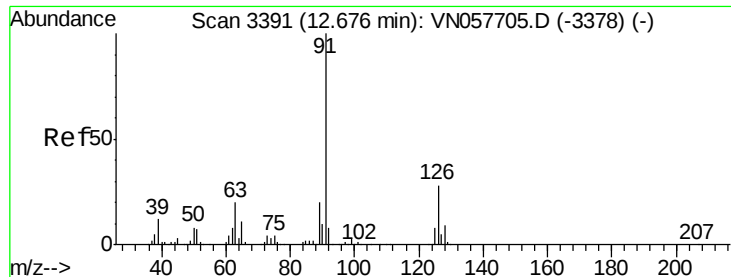


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.170 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52899

Ion Ratio Lower Upper

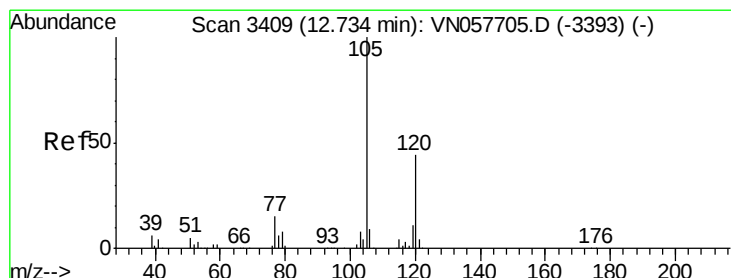
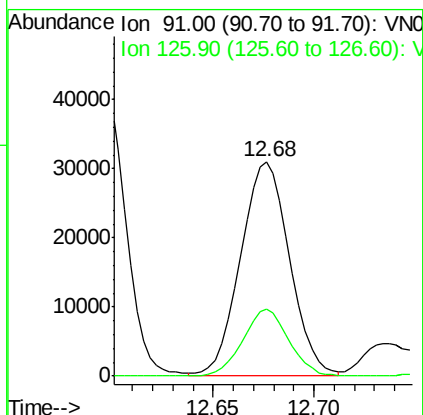
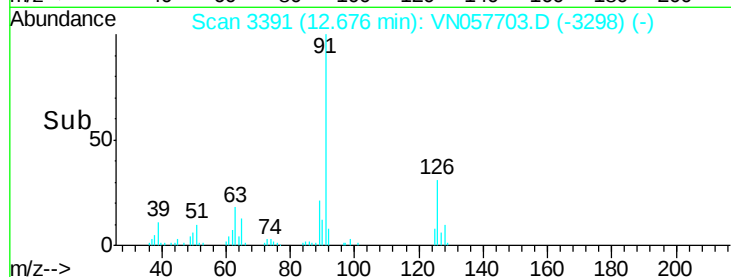
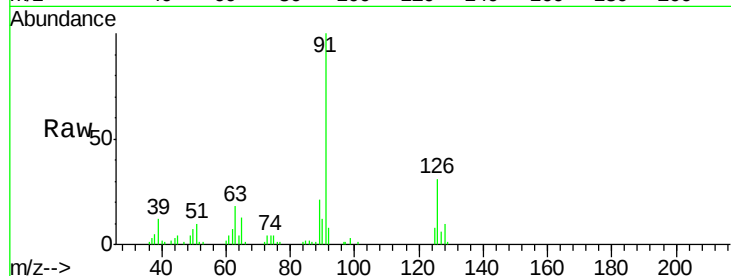
91 100

126 29.0 14.5 43.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 3.957 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057703.D

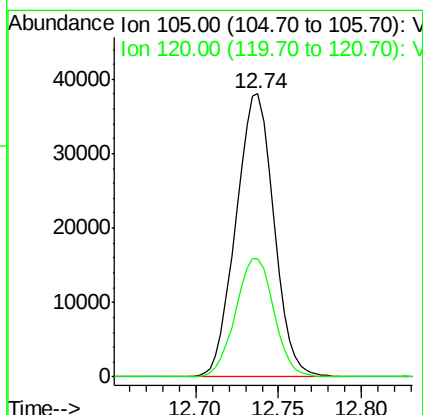
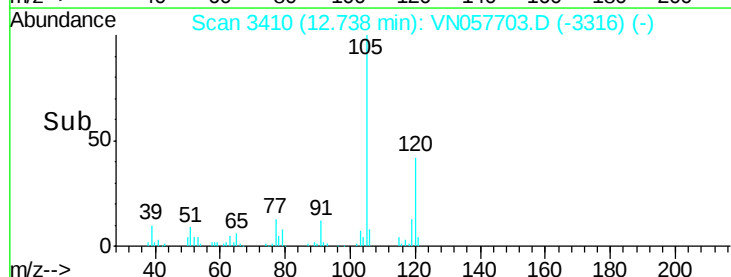
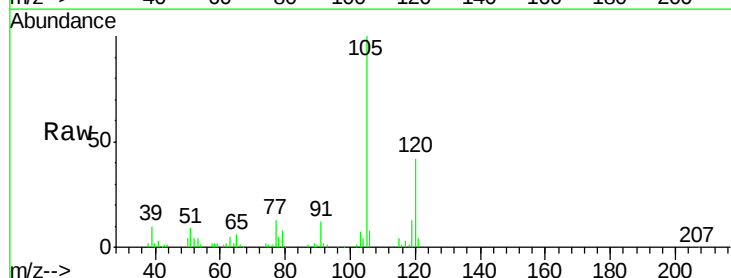
Acq: 5 Sep 2019 18:10

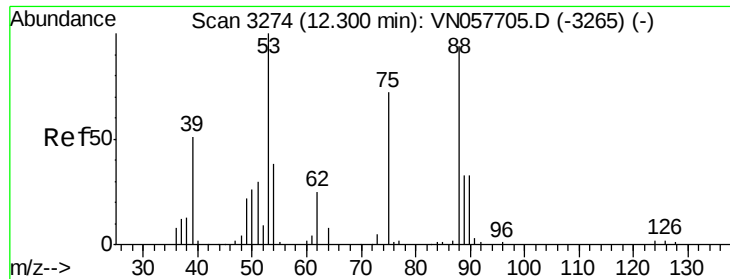
Tgt Ion: 105 Resp: 60711

Ion Ratio Lower Upper

105 100

120 42.3 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.928 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 4976

Ion Ratio Lower Upper

75 100

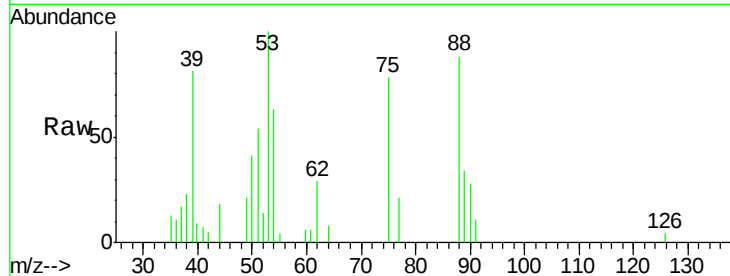
53 141.1 107.0 160.6

89 46.5 36.5 54.7

Manual Integrations
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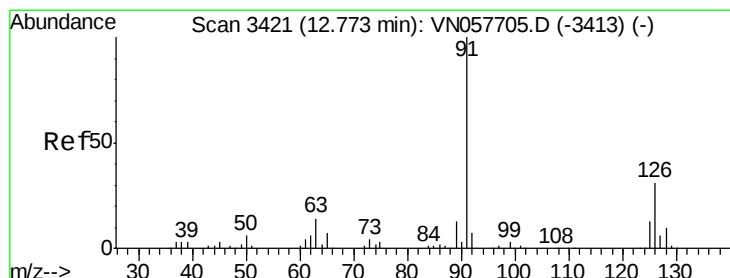
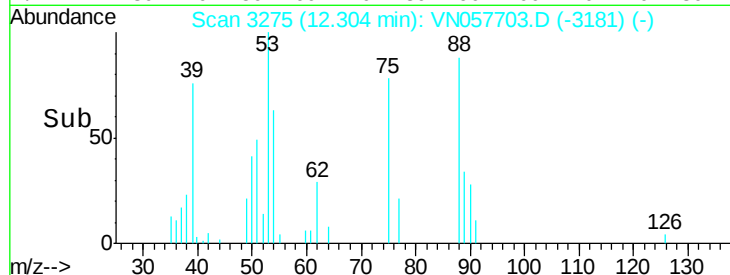
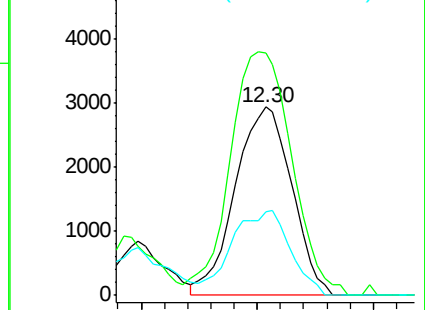
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Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057705.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057705.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 4.562 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057703.D

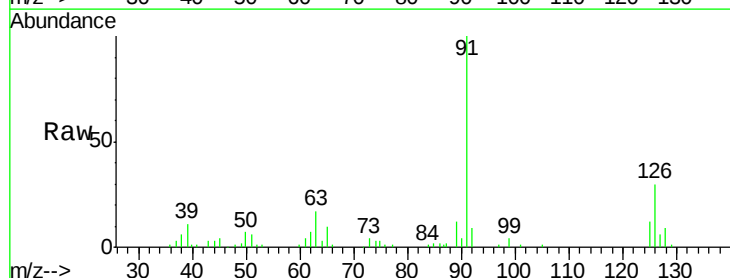
Acq: 5 Sep 2019 18:10

Tgt Ion: 91 Resp: 54817

Ion Ratio Lower Upper

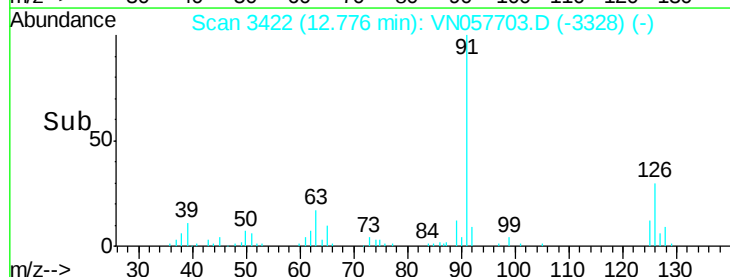
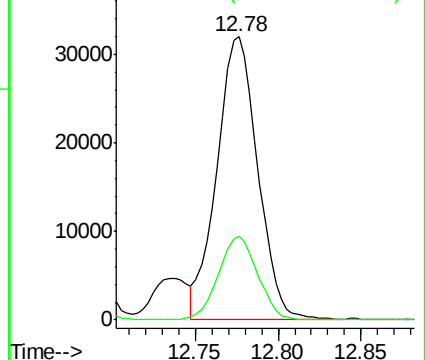
91 100

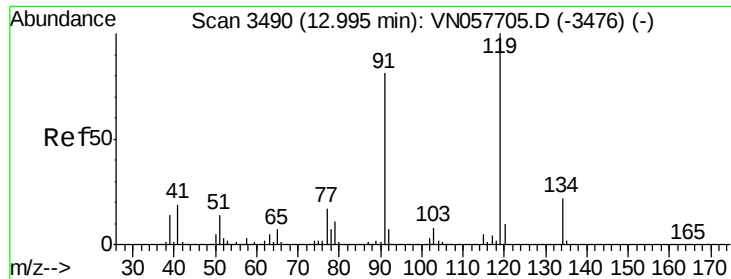
126 28.3 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057705.D (-3413) (-)





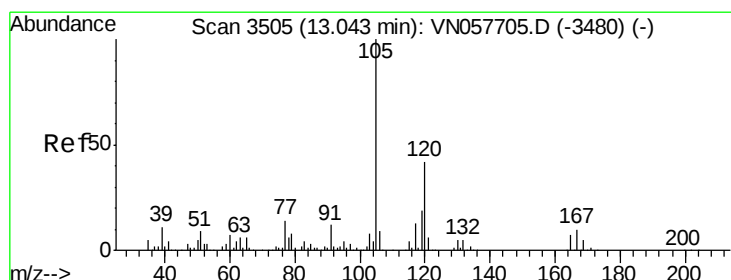
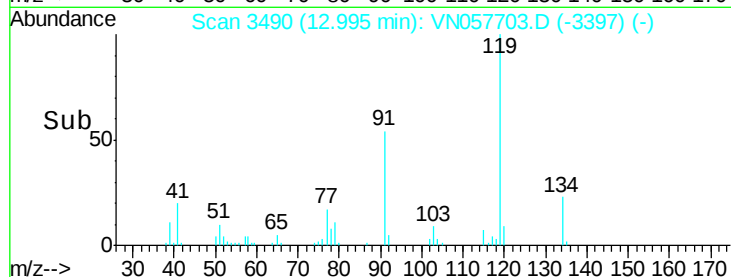
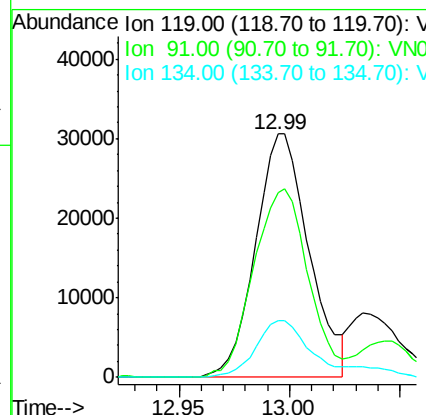
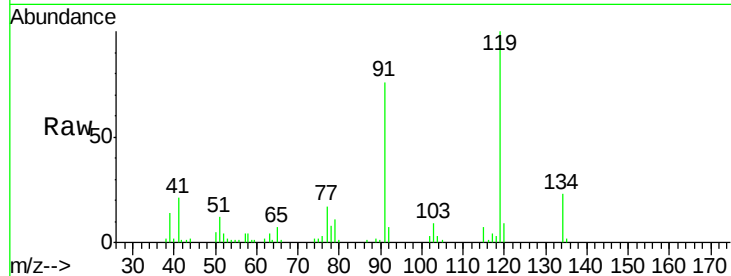
#83
tert-Butylbenzene
Concen: 3.792 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.3	39.6	118.8
134	23.2	11.3	33.8

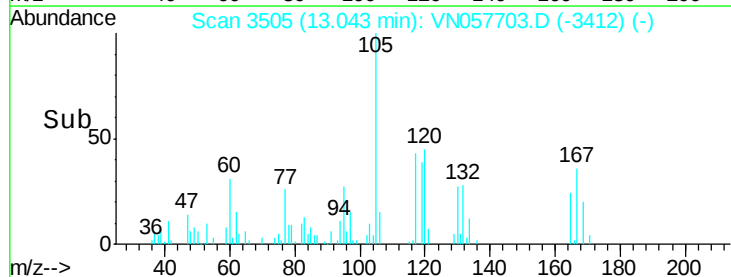
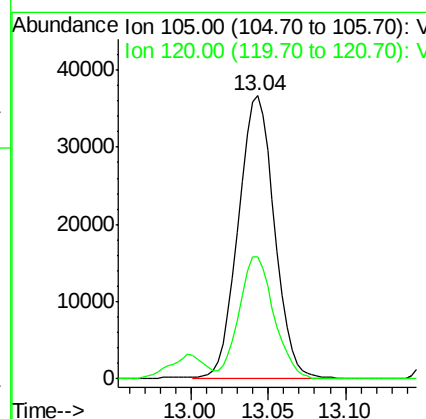
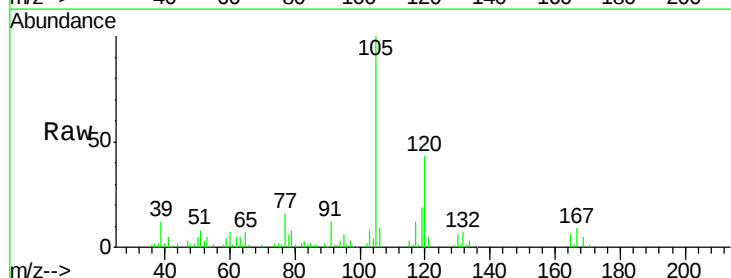
Manual Integrations
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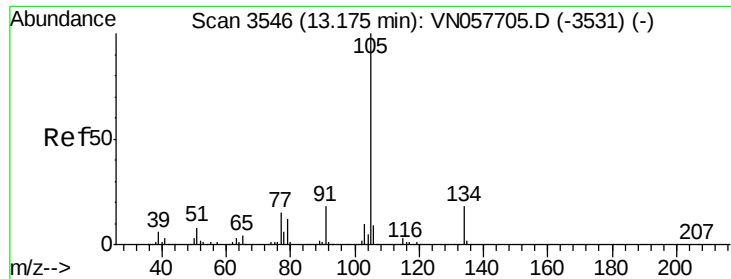
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.236 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.3	20.8	62.5





#85

sec-Butylbenzene

Concen: 4.182 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 71087

Ion Ratio Lower Upper

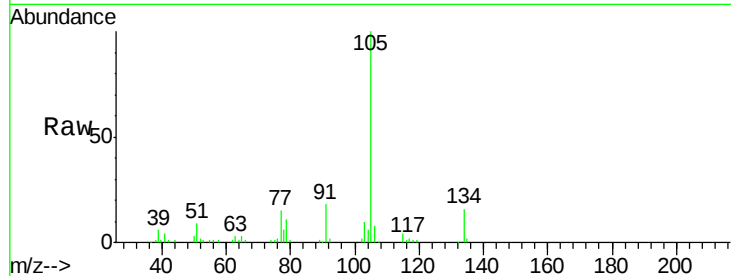
105 100

134 16.7 8.8 26.5

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

Ion 134.00 (133.70 to 134.70): V

13.17

50000

40000

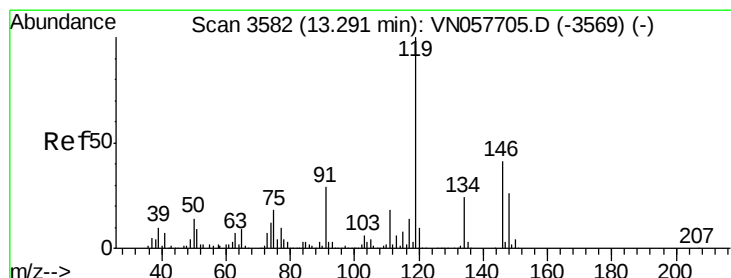
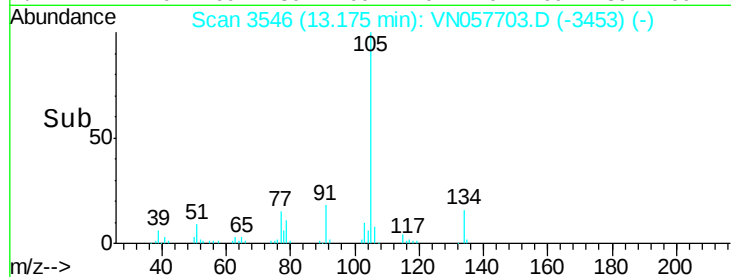
30000

20000

10000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 4.256 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

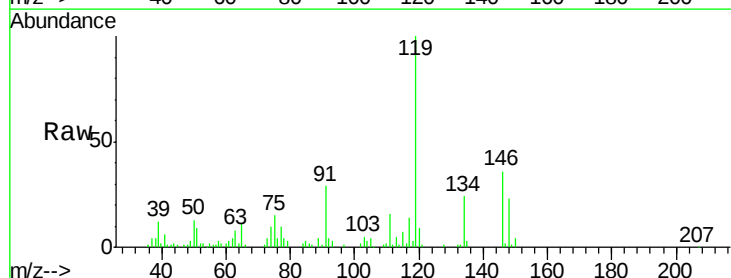
Tgt Ion:119 Resp: 59662

Ion Ratio Lower Upper

119 100

134 23.9 12.4 37.0

91 28.6 14.8 44.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

50000

40000

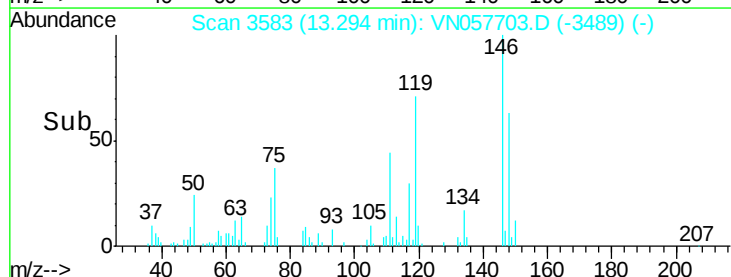
30000

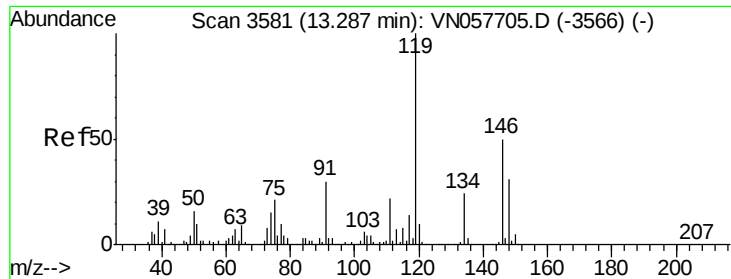
20000

10000

0

Time--> 13.25 13.30 13.35





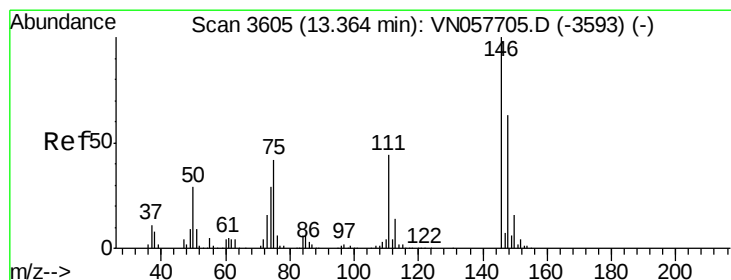
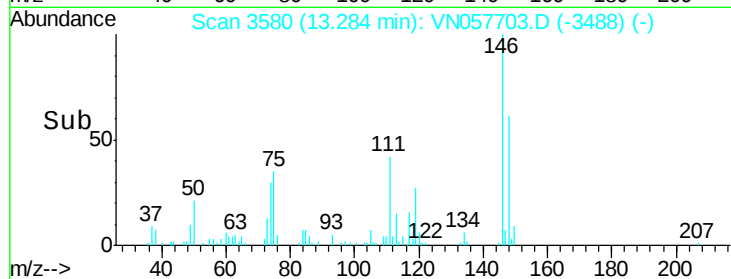
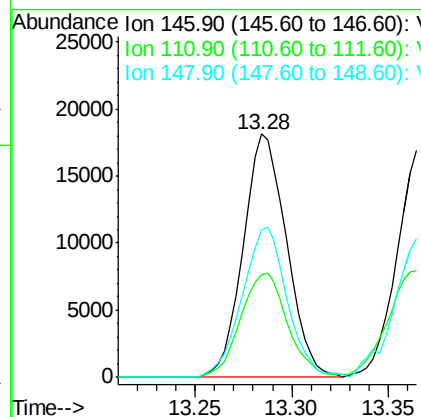
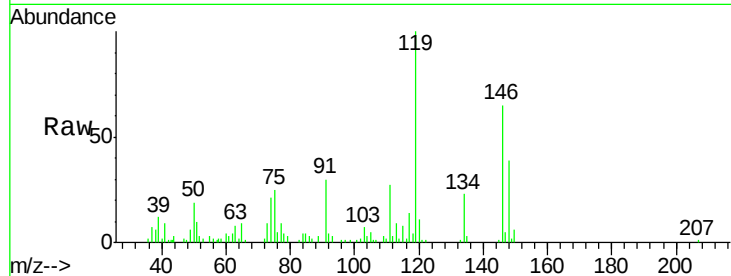
#87
 1,3-Dichlorobenzene
 Concen: 5.101 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.3	66.8
148	63.9	31.5	94.5

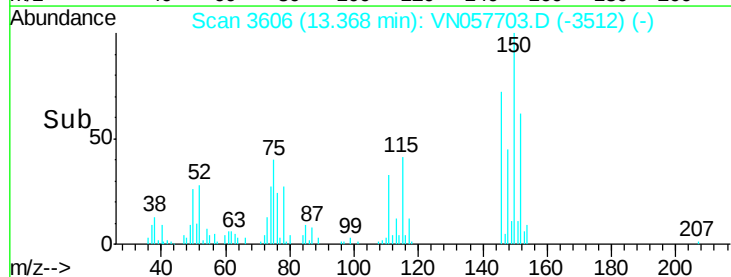
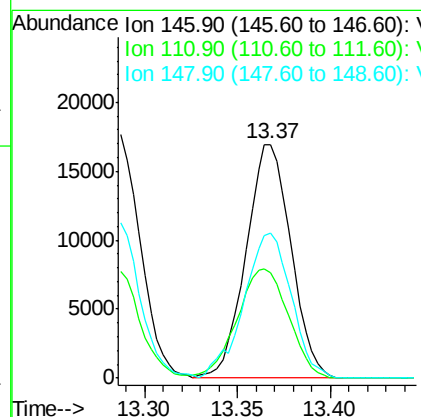
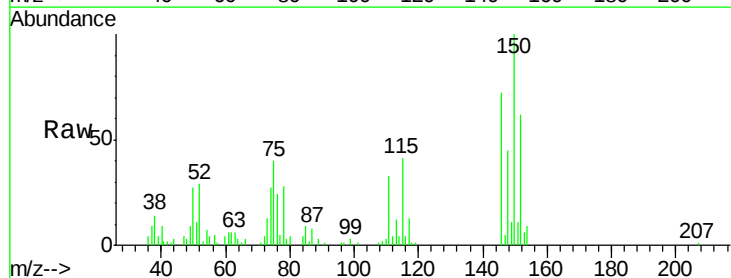
Manual Integrations
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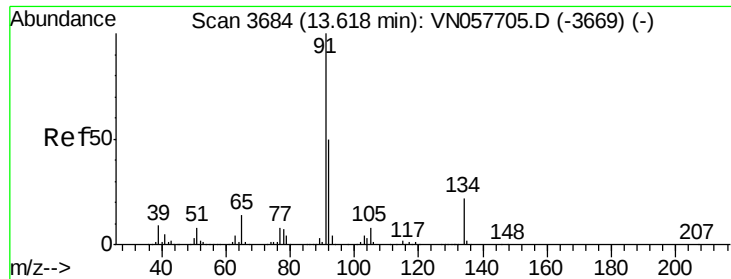
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#88
 1,4-Dichlorobenzene
 Concen: 5.055 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.7	22.3	66.9
148	65.7	31.9	95.7





#89

n-Butylbenzene

Concen: 4.688 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

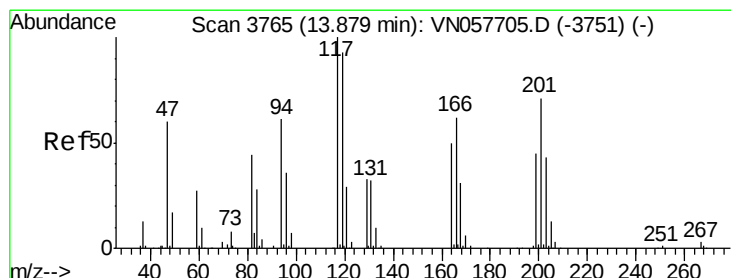
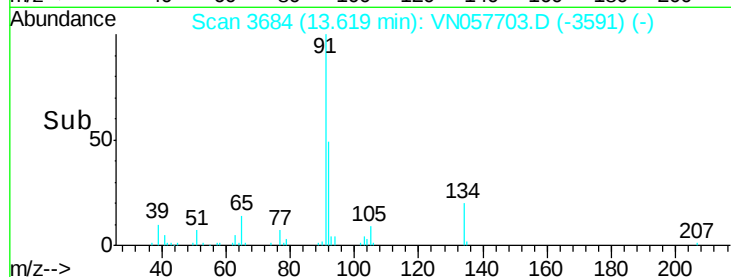
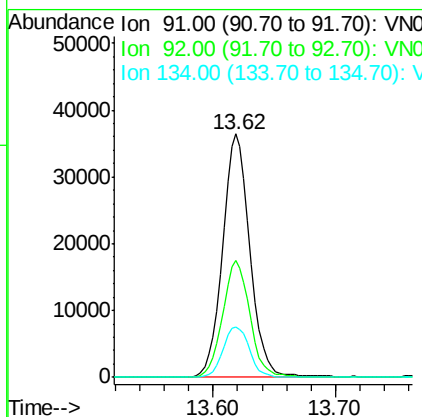
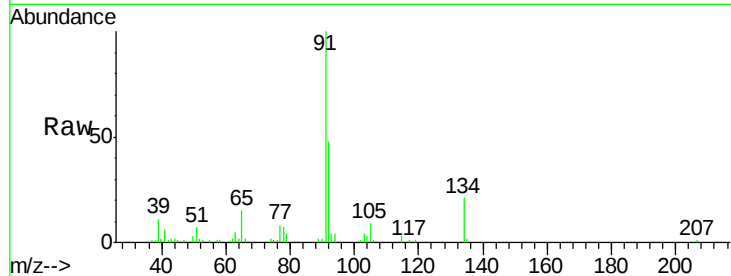
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	57406
Ion	Ratio	Lower	Upper
91	100		
92	47.6	25.6	76.8
134	19.8	11.2	33.5

Manual Integrations
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#90

Hexachloroethane

Concen: 3.131 ug/l

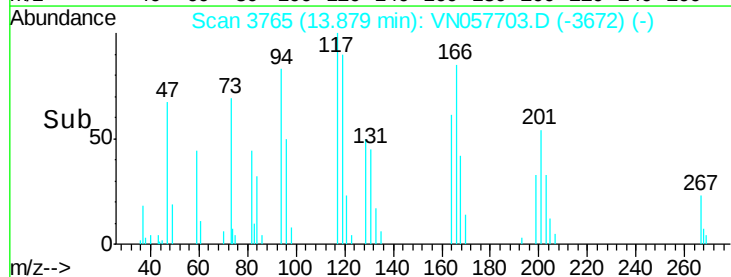
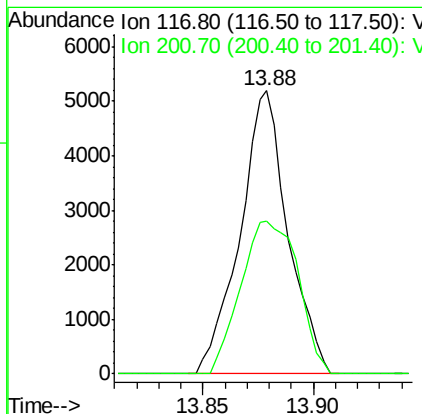
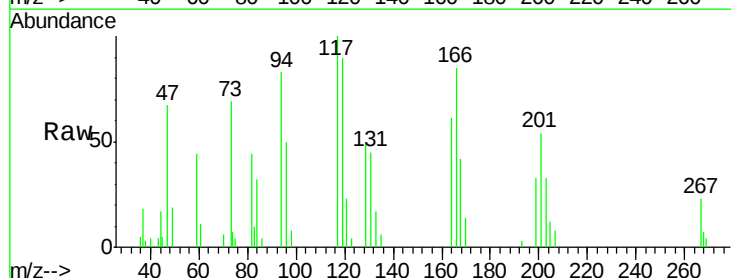
RT: 13.88 min Scan# 3765

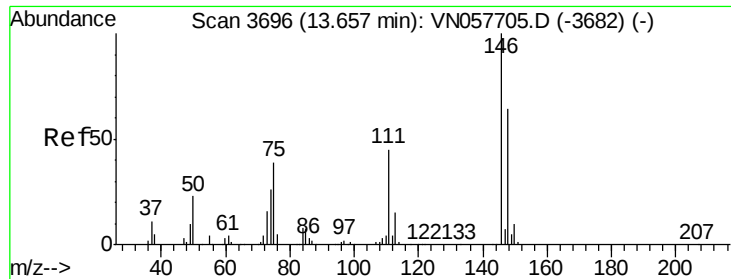
Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	117	Resp:	7811
Ion	Ratio	Lower	Upper
117	100		
201	64.5	36.4	109.2





#91

1,2-Dichlorobenzene

Concen: 5.355 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

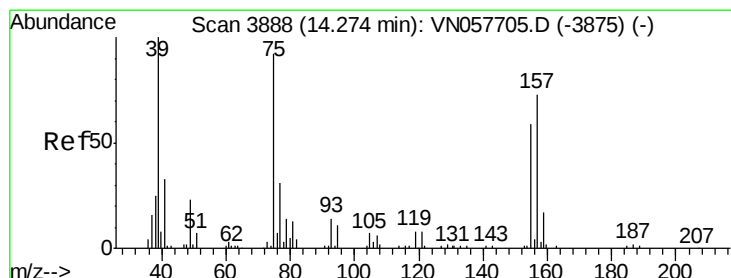
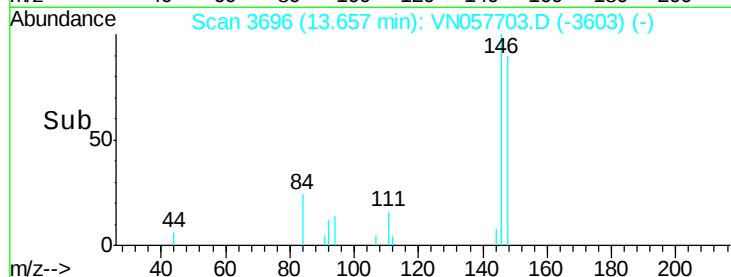
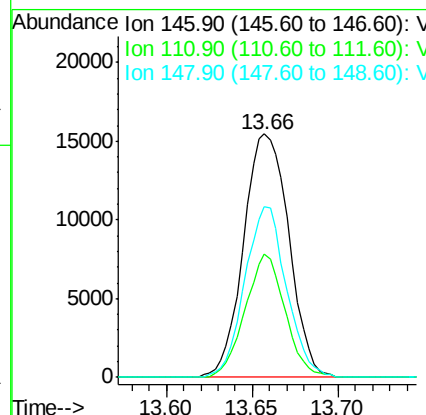
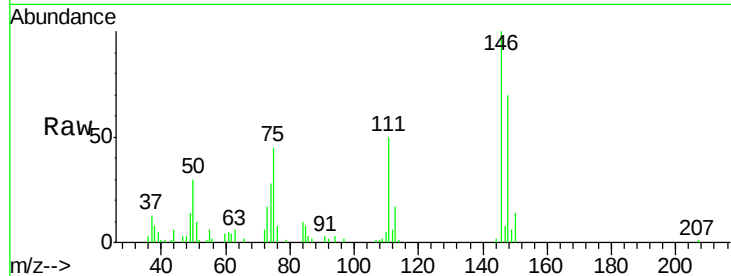
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	28181
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.8	68.3
148	64.6	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.306 ug/l

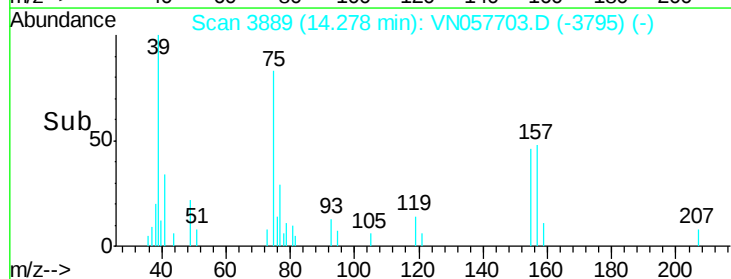
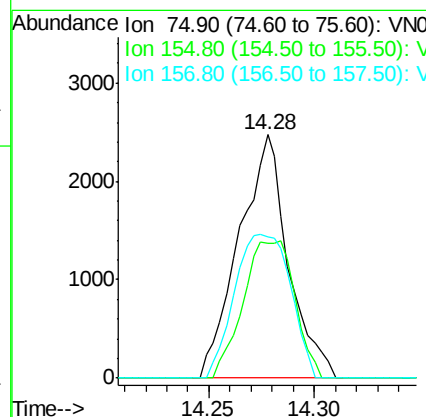
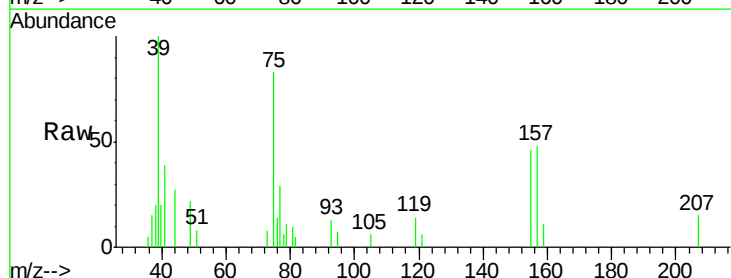
RT: 14.28 min Scan# 3889

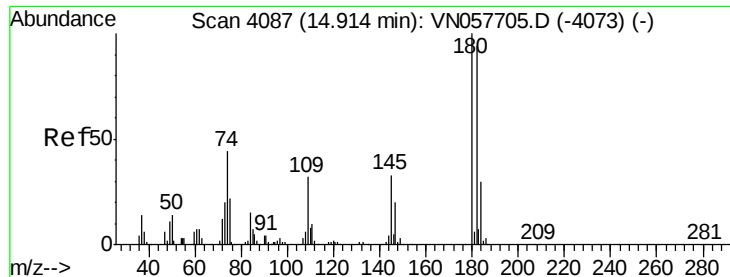
Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	75	Resp:	3996
Ion Ratio	Lower	Upper	
75	100		
155	59.2	30.1	90.5
157	67.3	38.1	114.5





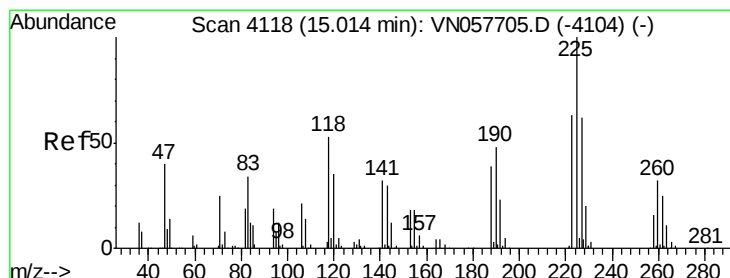
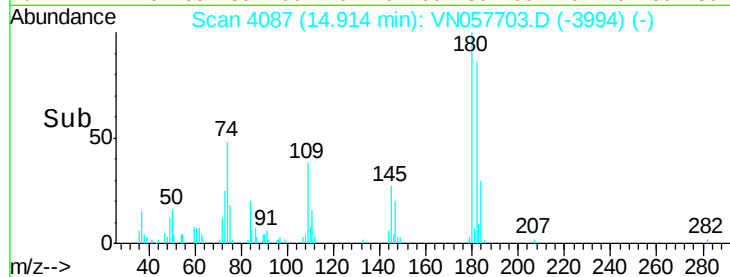
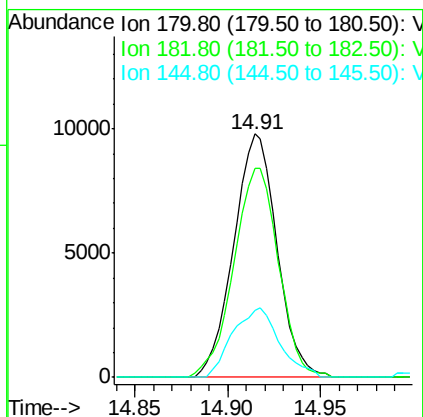
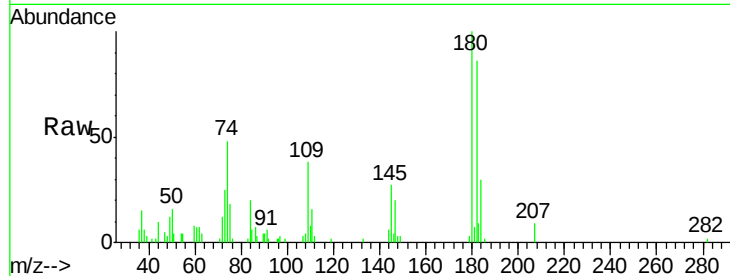
#93
 1,2,4-Trichlorobenzene
 Concen: 8.271 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.6	142.9
145	30.9	16.6	49.7

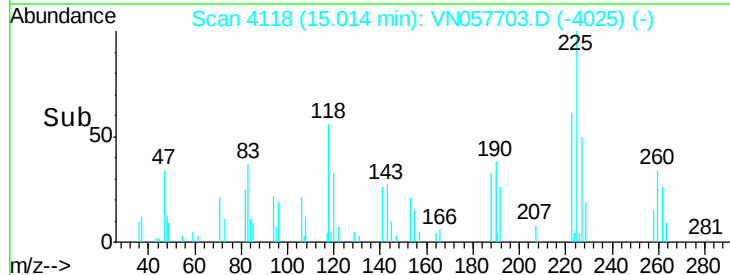
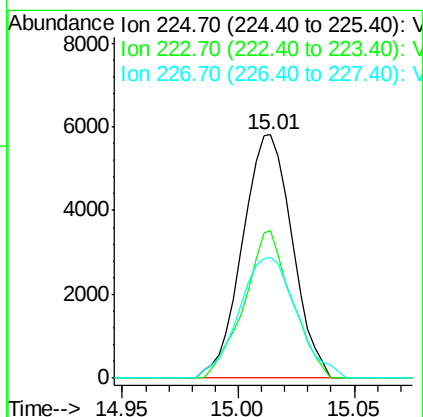
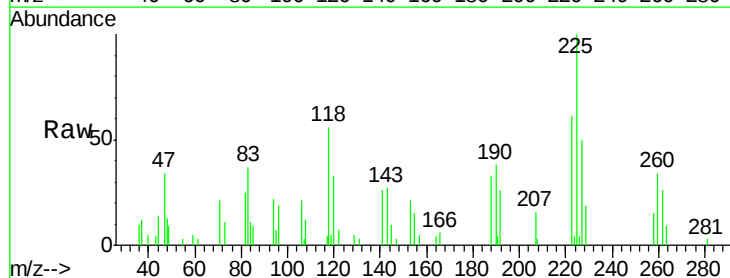
Manual Integrations
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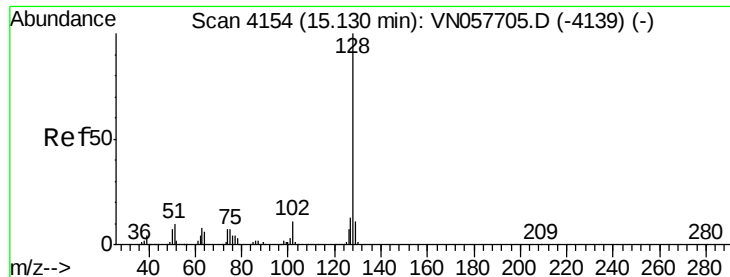
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#94
 Hexachlorobutadiene
 Concen: 4.082 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.6	95.0
227	57.3	31.7	95.1





#95

Naphthalene

Concen: 9.102 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

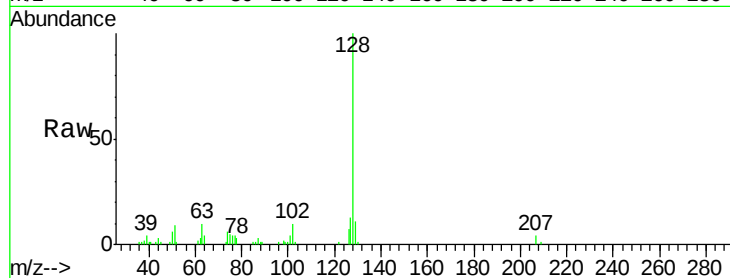
ClientSampleId :

VSTDIC005

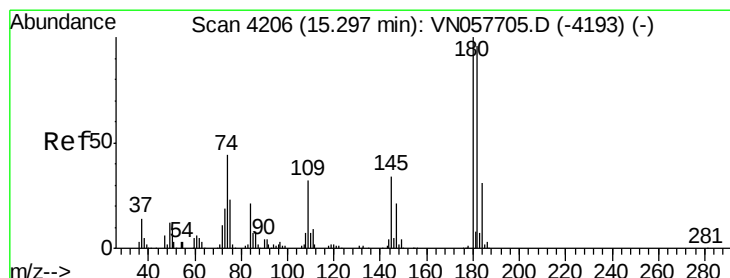
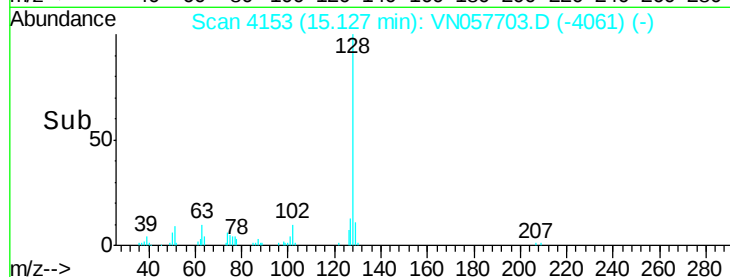
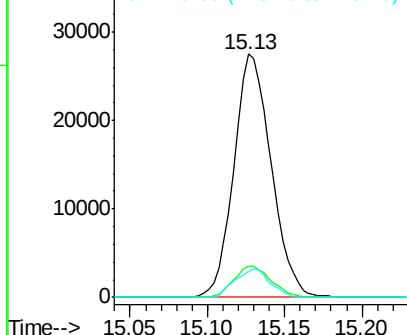
Tot Ion:	128	Resp:	46002
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.293 ug/l

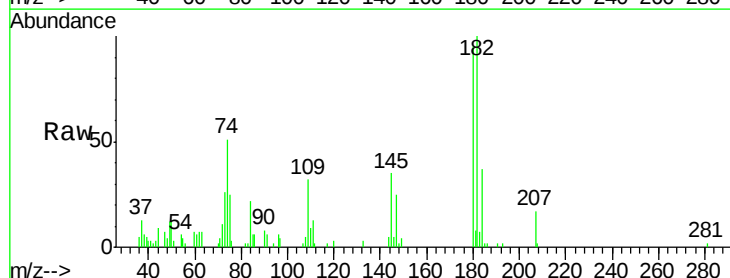
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion:	180	Resp:	14917
Ion Ratio	Lower	Upper	
180	100		
182	100.9	47.0	141.2
145	36.7	17.5	52.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

