

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055606.D
 Acq On : 17 May 2019 13:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:45 AM

Quant Time: May 18 03:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179676	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.59	113	160572	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	606492	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	214852	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	121208	45.551	ug/l	98
3) Chloromethane	2.06	50	157117	44.269	ug/l	100
4) Vinyl Chloride	2.18	62	171108	44.522	ug/l	100
5) Bromomethane	2.56	94	114018	46.552	ug/l	99
6) Chloroethane	2.70	64	98659	46.234	ug/l	99
7) Trichlorofluoromethane	3.02	101	228969	46.492	ug/l	99
8) Diethyl Ether	3.41	74	90979	45.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143101	47.661	ug/l	100
10) Methyl Iodide	3.96	142	190106	43.919	ug/l	99
11) Tert butyl alcohol	4.77	59	162103	229.293	ug/l	100
12) 1,1-Dichloroethene	3.74	96	143494	45.433	ug/l	98
13) Acrolein	3.61	56	82410	228.641	ug/l	100
14) Allyl chloride	4.33	41	238898	46.854	ug/l	100
15) Acrylonitrile	4.98	53	367174	233.440	ug/l	100
16) Acetone	3.81	43	387076	250.192	ug/l	99
17) Carbon Disulfide	4.06	76	398052	45.336	ug/l	100
18) Methyl Acetate	4.32	43	150316	45.320	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	474280	45.391	ug/l	99
20) Methylene Chloride	4.55	84	155233	43.966	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	154120	45.807	ug/l	99
22) Diisopropyl ether	5.95	45	462801	45.806	ug/l	100
23) Vinyl Acetate	5.89	43	1999488	233.230	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273656	46.193	ug/l	99
25) 2-Butanone	6.83	43	524729	242.571	ug/l	100
26) 2,2-Dichloropropane	6.82	77	246570	46.896	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	177400	45.280	ug/l	100
28) Bromochloromethane	7.19	49	124925	48.471	ug/l	99
29) Tetrahydrofuran	7.21	42	325402	227.055	ug/l	100
30) Chloroform	7.37	83	275140	45.245	ug/l	99
31) Cyclohexane	7.65	56	255803	45.496	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	244762	44.875	ug/l	100
36) 1,1-Dichloropropene	7.79	75	214291	47.815	ug/l	99
37) Ethyl Acetate	6.92	43	199056	49.221	ug/l	98
38) Carbon Tetrachloride	7.77	117	221522	46.256	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	268160	49.636	ug/l	100
40) Benzene	8.04	78	630083	47.799	ug/l	100
41) Methacrylonitrile	7.18	41	97594m	56.444	ug/l	
42) 1,2-Dichloroethane	8.12	62	206466	48.369	ug/l	100
43) Isopropyl Acetate	8.16	43	333477	47.404	ug/l	99
44) Trichloroethene	8.83	130	181440	48.779	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166169	47.851	ug/l	99
46) Dibromomethane	9.21	93	110118	48.449	ug/l	99
47) Bromodichloromethane	9.40	83	224506	47.130	ug/l	99
48) Methyl methacrylate	9.20	41	155073	49.318	ug/l	98
49) 1,4-Dioxane	9.20	88	63219	1011.832	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	987205	239.237	ug/l	100
52) Toluene	10.16	92	400240	48.409	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255624	49.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	276303	49.194	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159208	46.774	ug/l	99
56) Ethyl methacrylate	10.43	69	251052	47.249	ug/l	100
57) 1,3-Dichloropropane	10.71	76	260689	48.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	551273	244.179	ug/l	100
59) 2-Hexanone	10.75	43	729072	250.950	ug/l	100
60) Dibromochloromethane	10.90	129	186417	48.323	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164698	48.360	ug/l	99
64) Tetrachloroethene	10.63	164	165302	47.310	ug/l	98
65) Chlorobenzene	11.43	112	426805	47.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	168540	46.758	ug/l	99
67) Ethyl Benzene	11.51	91	761832	47.730	ug/l	100
68) m/p-Xylenes	11.62	106	583988	96.886	ug/l	100
69) o-Xylene	11.95	106	281945	47.824	ug/l	99
70) Styrene	11.96	104	482663	49.239	ug/l	99
71) Bromoform	12.13	173	148268	48.539	ug/l #	100
73) Isopropylbenzene	12.25	105	745955	50.437	ug/l	99
74) N-amyl acetate	12.07	43	283769	47.930	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	224957	48.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	180855m	42.036	ug/l	
77) Bromobenzene	12.53	156	194535	44.926	ug/l	99
78) n-propylbenzene	12.59	91	852131	45.511	ug/l	100
79) 2-Chlorotoluene	12.67	91	501496	50.048	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	643617	50.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78533	46.922	ug/l	99
82) 4-Chlorotoluene	12.77	91	507000	45.957	ug/l	100
83) tert-Butylbenzene	12.99	119	549749	51.304	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	639223	50.673	ug/l	99
85) sec-Butylbenzene	13.17	105	730200	51.882	ug/l	100
86) p-Isopropyltoluene	13.29	119	676383	51.593	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	339990	47.488	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	333149	48.734	ug/l	100
89) n-Butylbenzene	13.61	91	573873	49.601	ug/l	100
90) Hexachloroethane	13.87	117	127620	50.936	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	331802	46.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45147	47.182	ug/l	99

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Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197910	54.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	118620	54.353	ug/l	100
95) Naphthalene	15.13	128	511007	46.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194888	51.306	ug/l	99

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

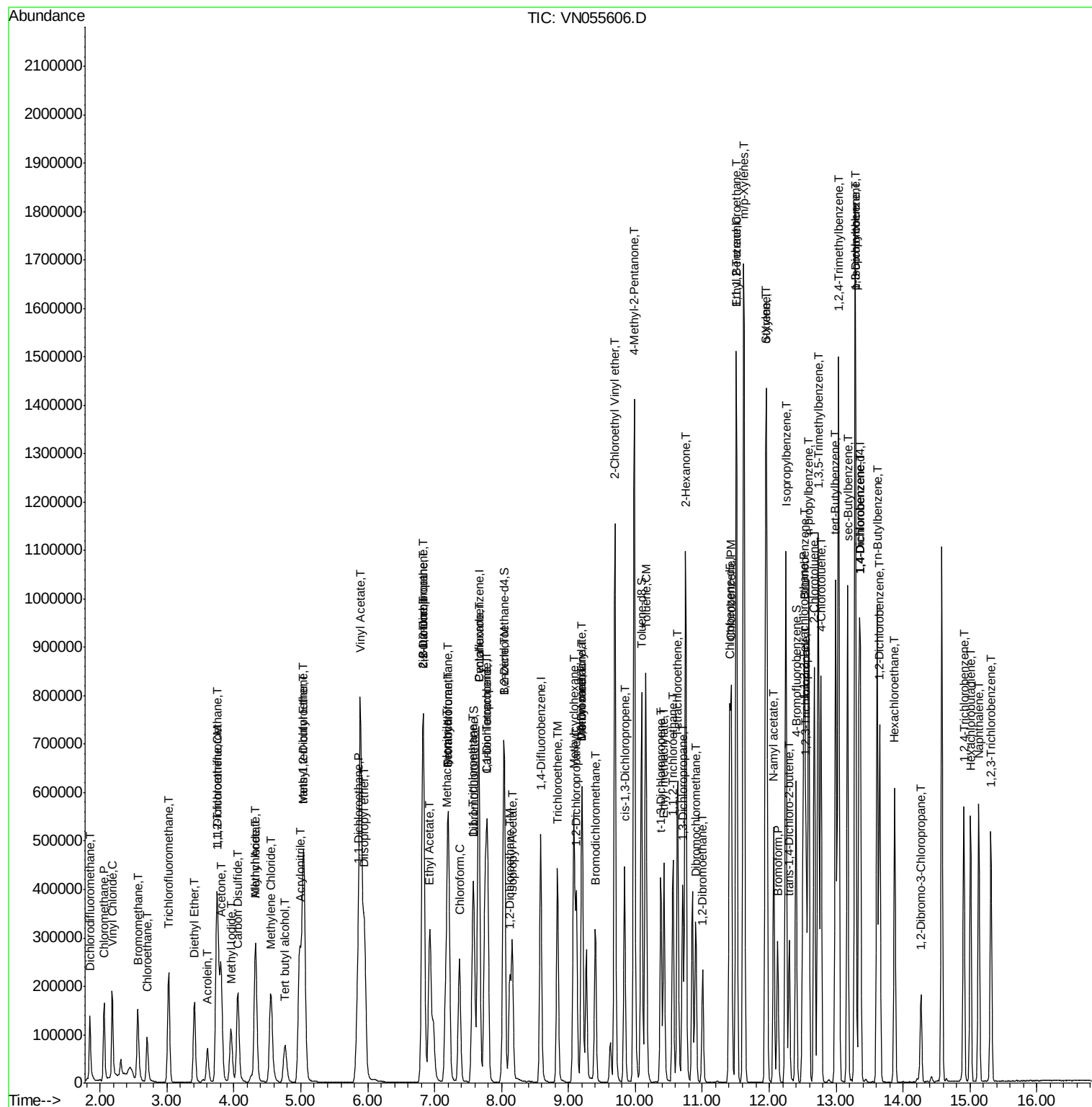
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
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Acq On : 17 May 2019 13:06
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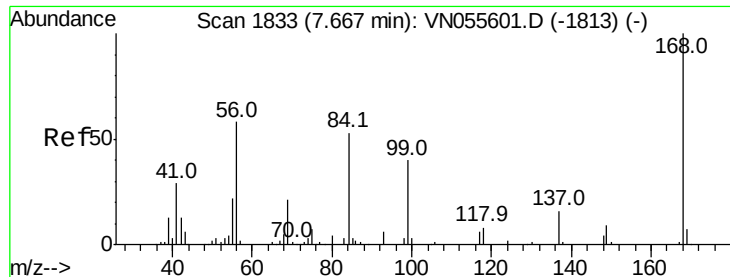
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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APPROVED

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 345837

Ion Ratio Lower Upper

168 100

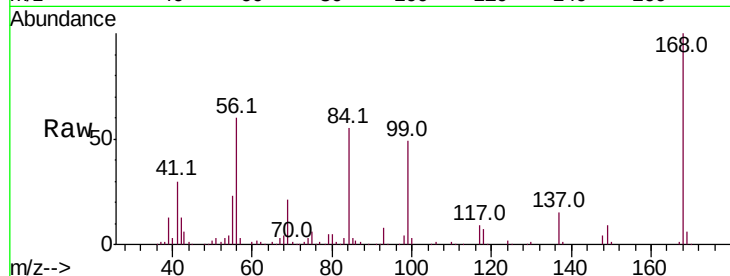
99 49.0 40.2 60.2

Manual Integrations

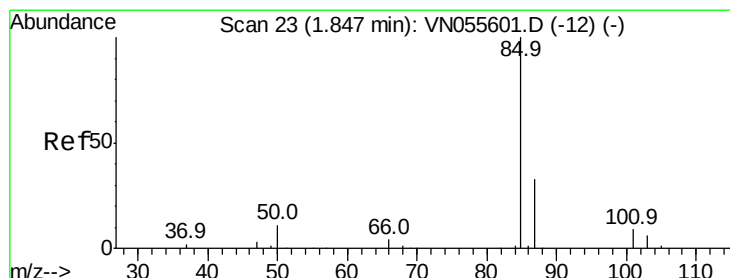
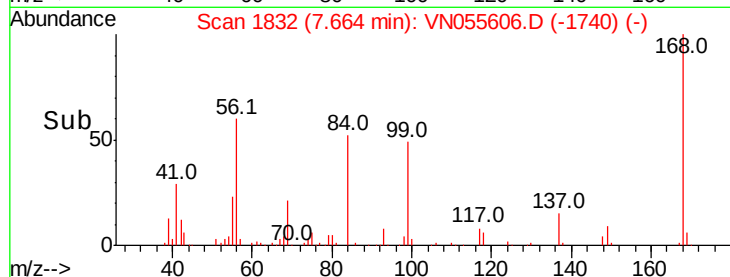
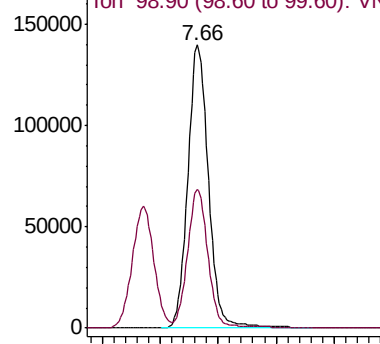
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5/20/2019 9:08:45 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055606.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 45.551 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055606.D

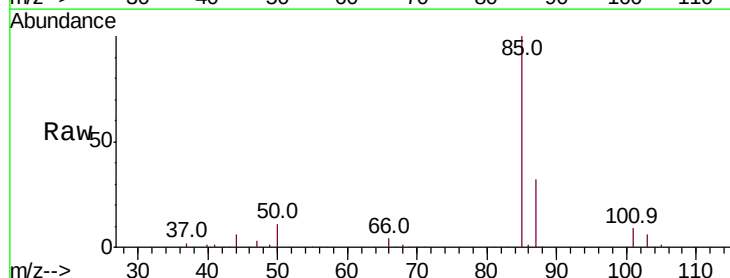
Acq: 17 May 2019 13:06

Tgt Ion: 85 Resp: 121208

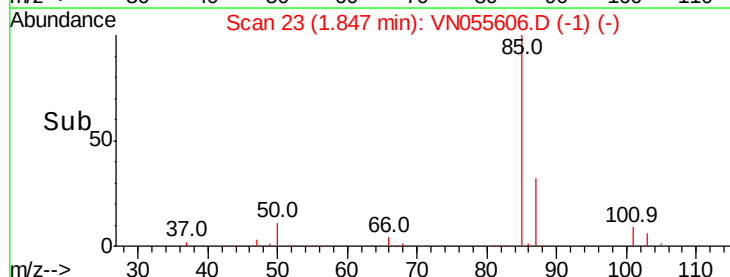
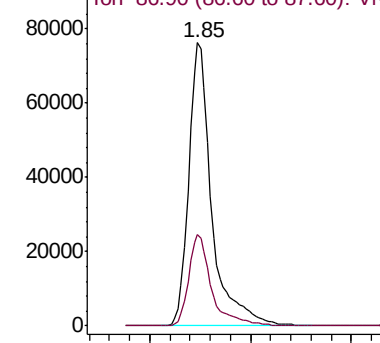
Ion Ratio Lower Upper

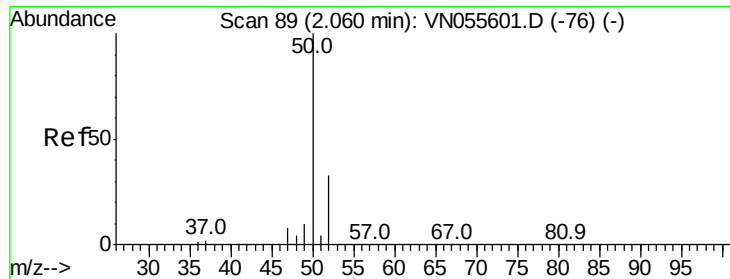
85 100

87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN055606.D (-1) (-)





#3

Chloromethane

Concen: 44.269 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 157117

Ion Ratio Lower Upper

50 100

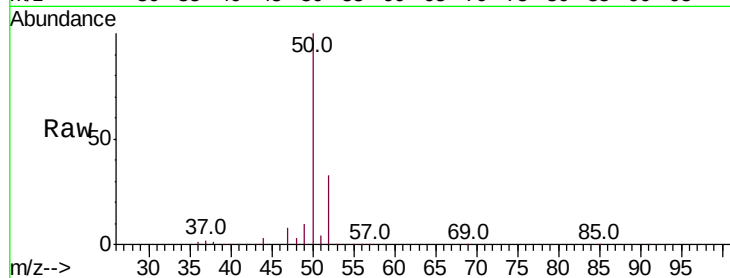
52 33.3 26.7 40.1

Manual Integrations

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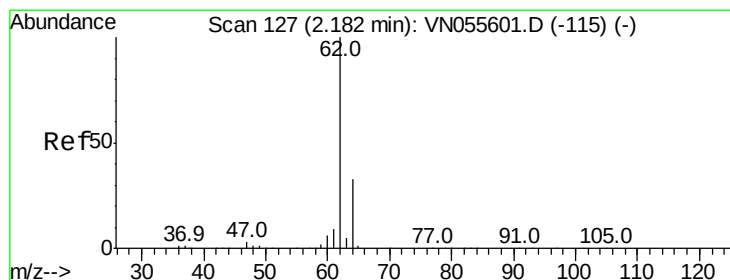
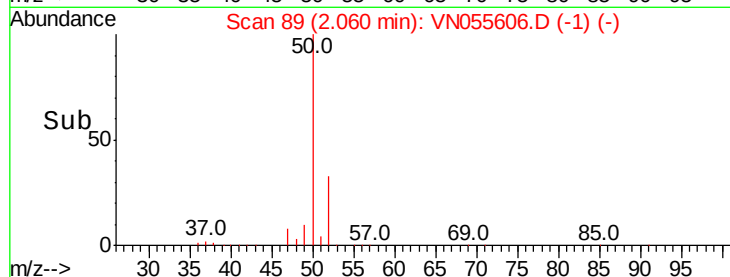
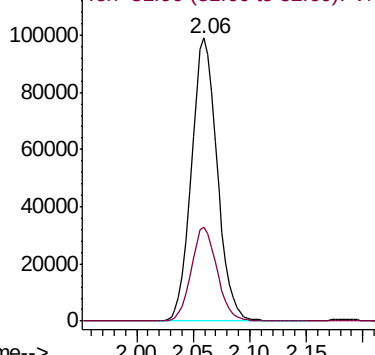
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.522 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055606.D

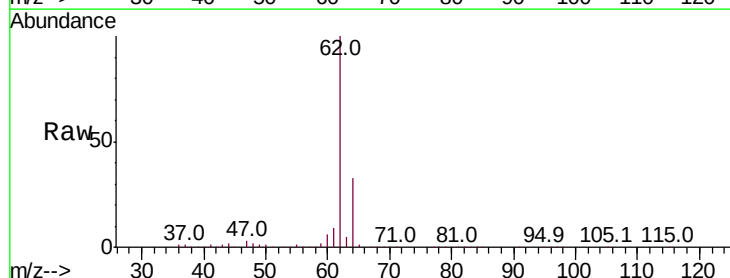
Acq: 17 May 2019 13:06

Tgt Ion: 62 Resp: 171108

Ion Ratio Lower Upper

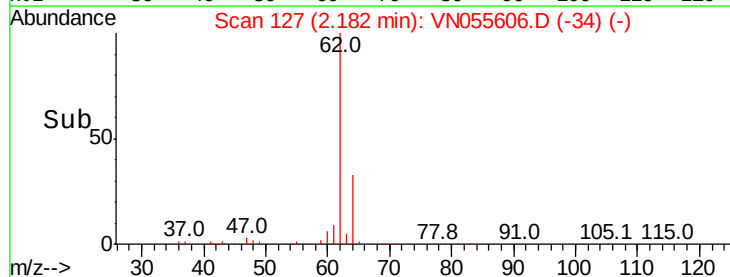
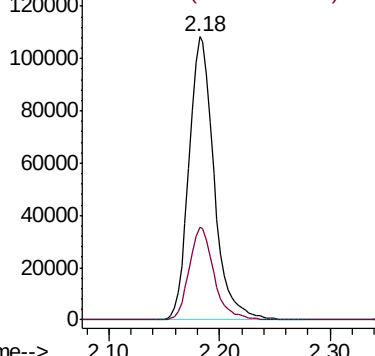
62 100

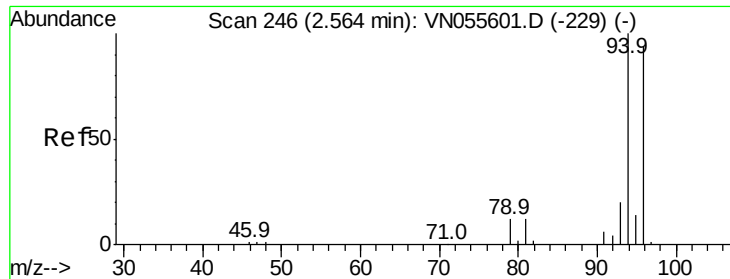
64 32.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.552 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 114018

Ion Ratio Lower Upper

94 100

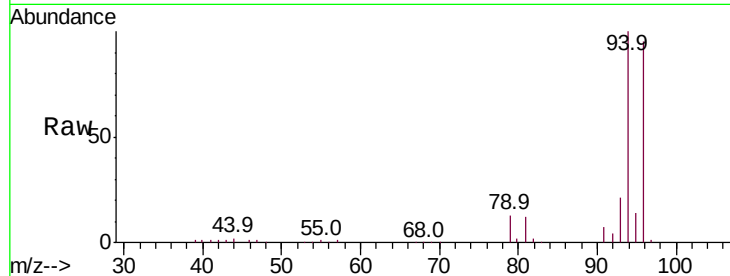
96 94.5 75.2 112.8

Manual Integrations

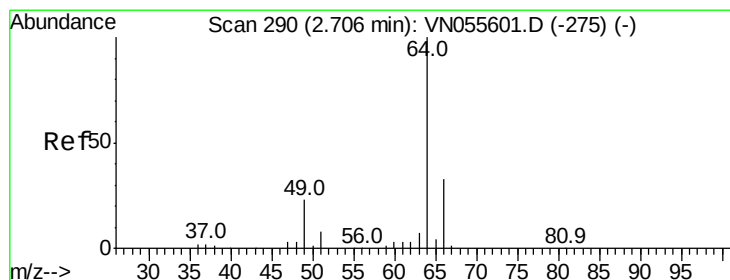
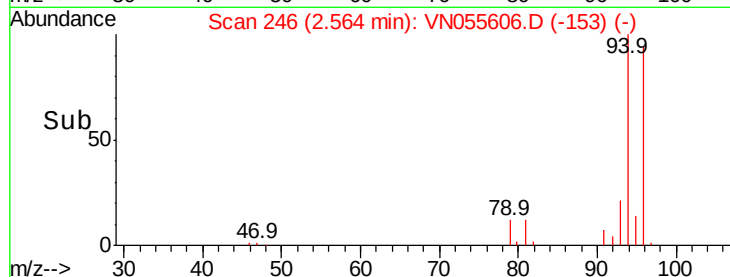
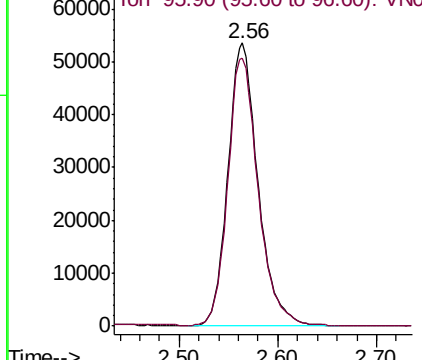
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Abundance Ion 93.90 (93.60 to 94.60): VN055606.D (-153) (-)



#6

Chloroethane

Concen: 46.234 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055606.D

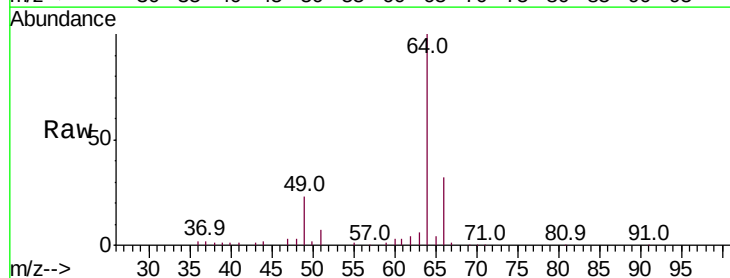
Acq: 17 May 2019 13:06

Tgt Ion: 64 Resp: 98659

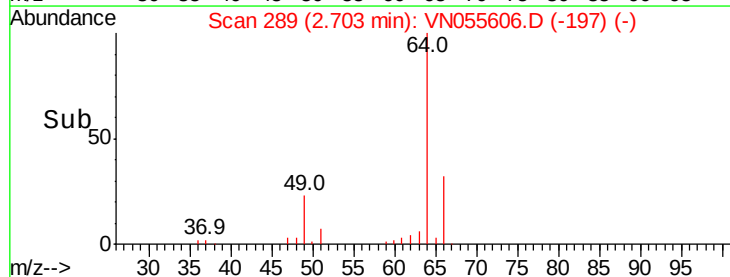
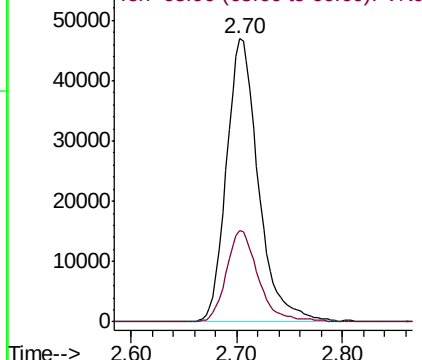
Ion Ratio Lower Upper

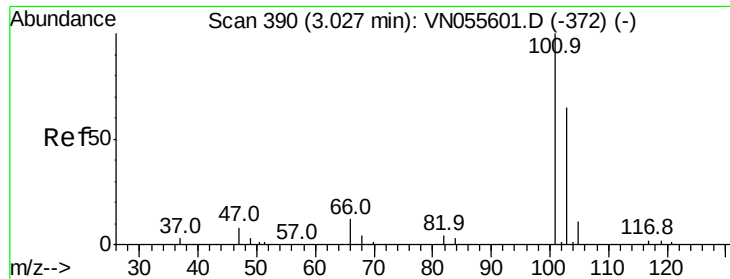
64 100

66 32.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN055606.D (-197) (-)





#7

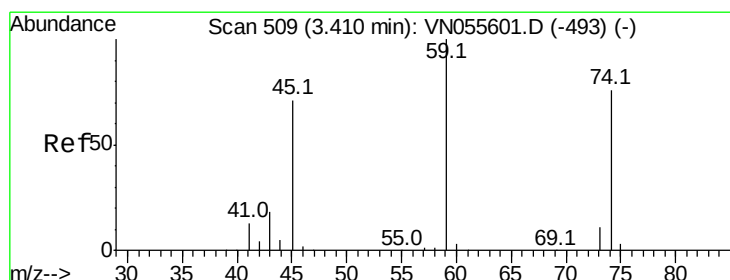
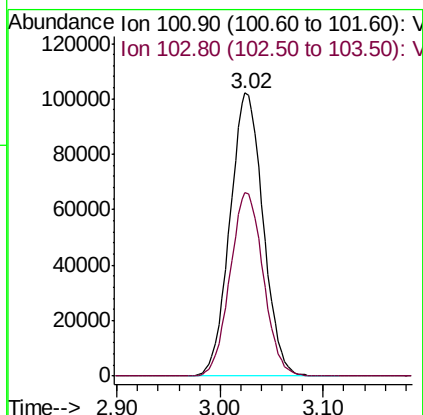
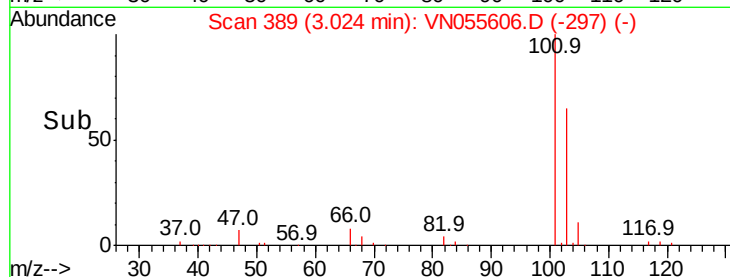
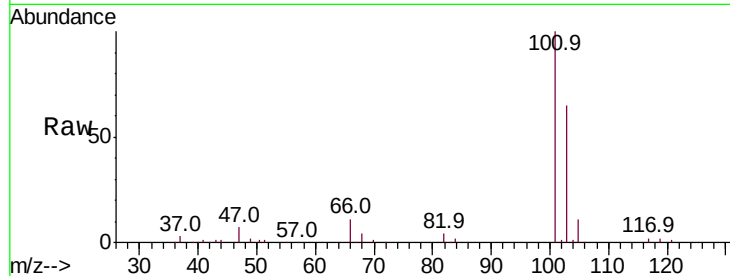
Trichlorofluoromethane
Concen: 46.492 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
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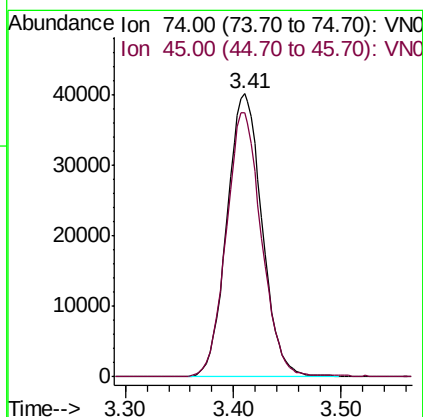
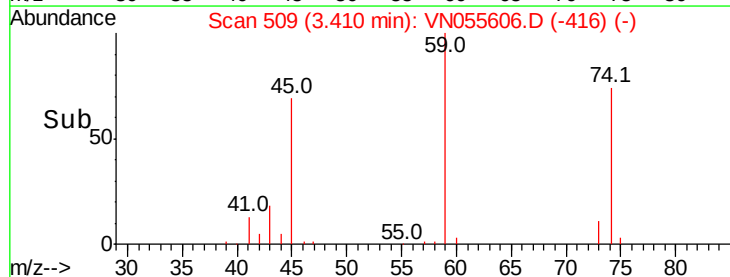
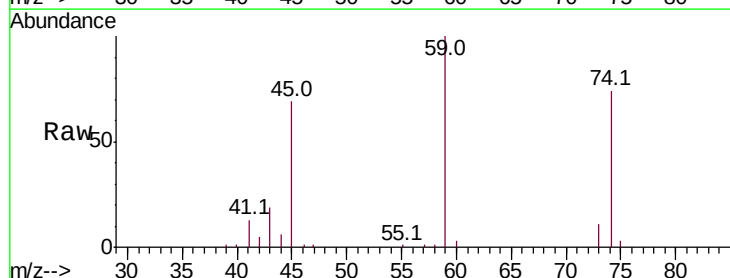
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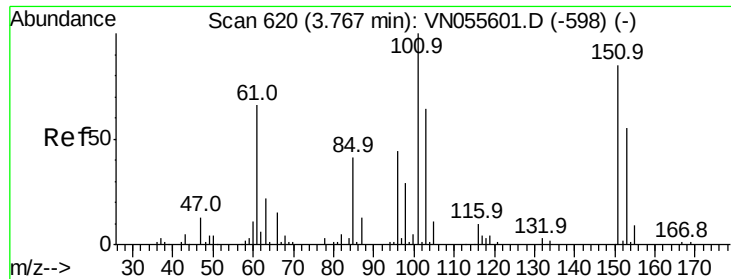


#8

Diethyl Ether
Concen: 45.985 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.661 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

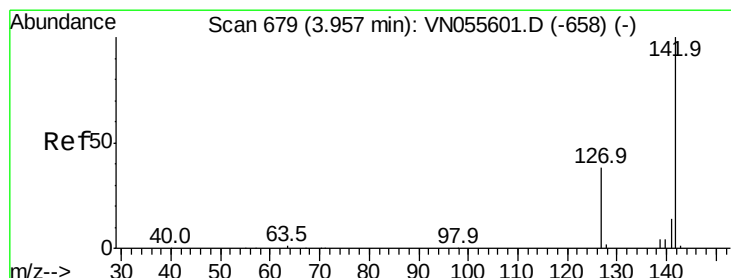
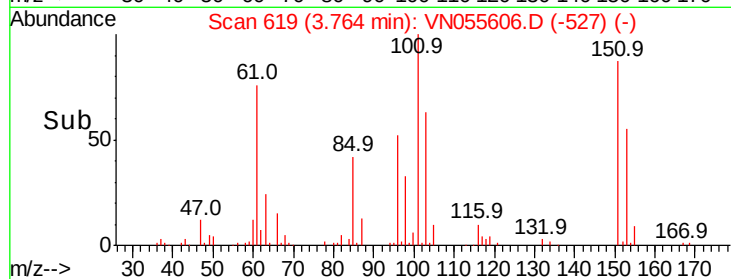
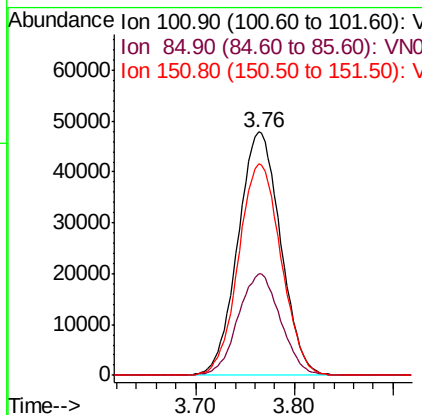
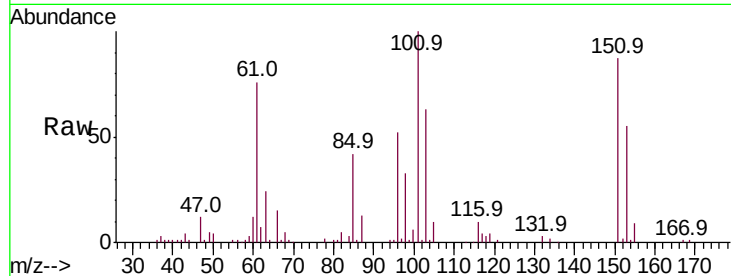
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143101
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.0
151	86.8	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 43.919 ug/l

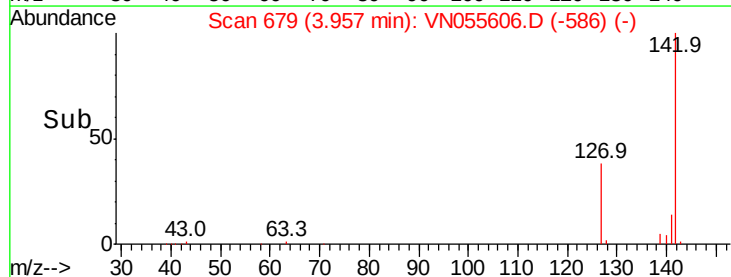
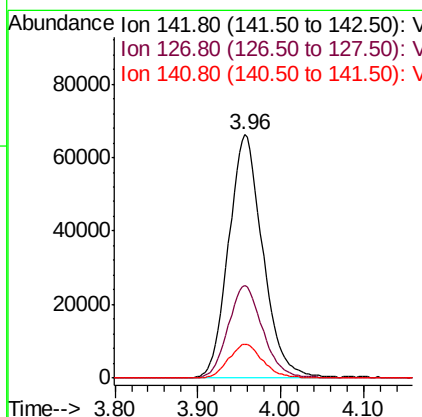
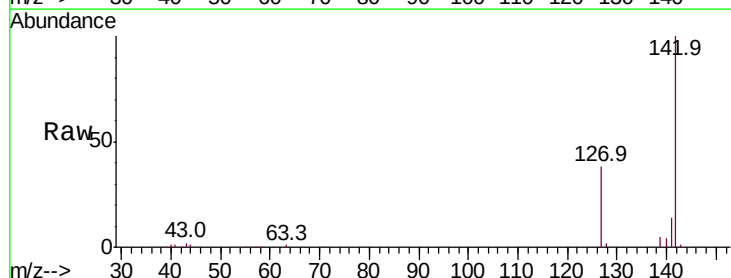
RT: 3.96 min Scan# 679

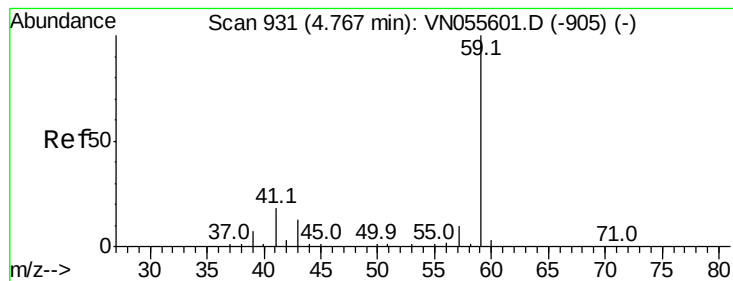
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion:	142	Resp:	190106
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	13.8	11.5	17.3





#11

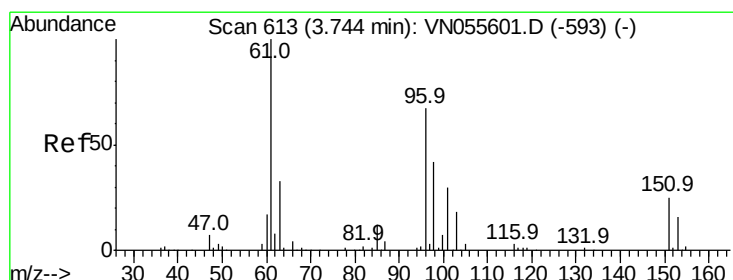
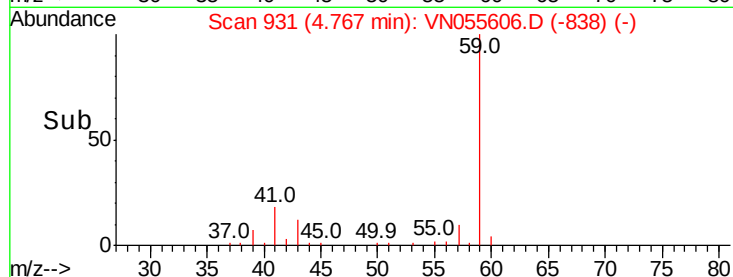
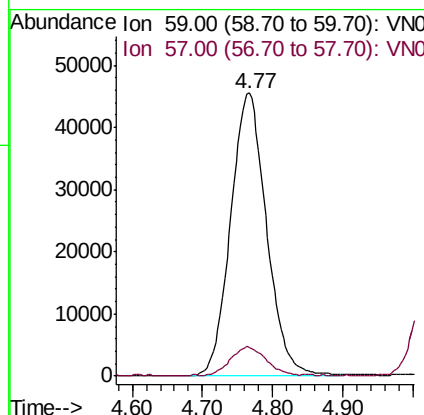
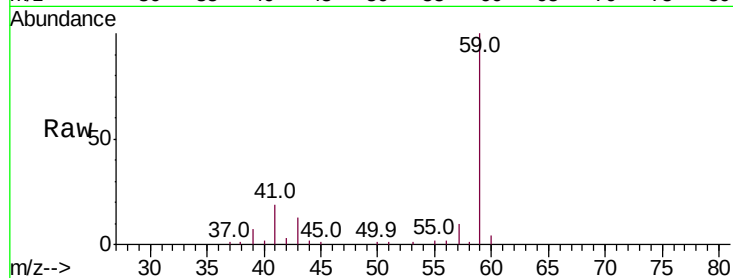
Tert butyl alcohol
 Concen: 229.293 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	162103		
57	9.7		7.8	11.6

Manual Integrations
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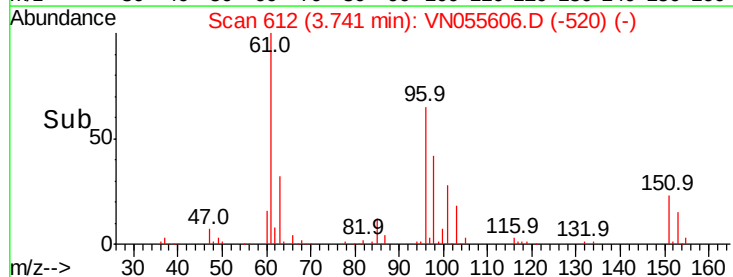
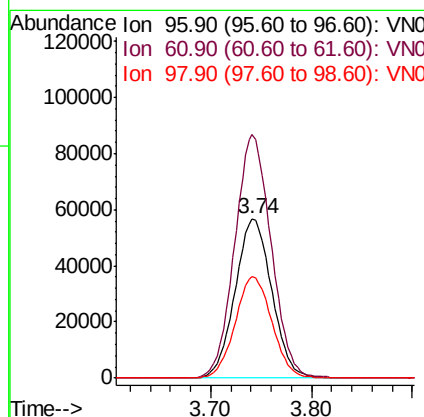
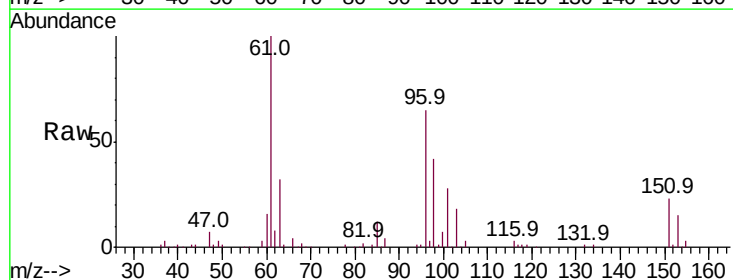
MMDadoda
 5/20/2019 9:08:45 AM

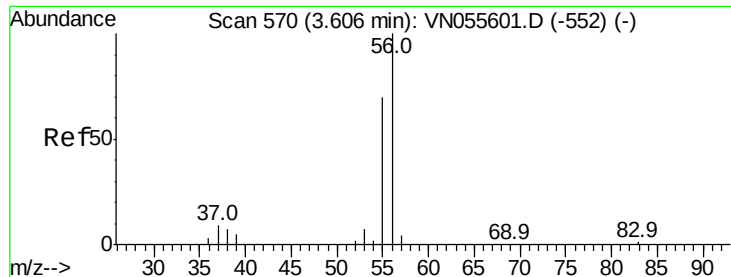


#12

1,1-Dichloroethene
 Concen: 45.433 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143494		
61	153.0		120.2	180.2
98	64.2		50.6	75.8





#13

Acrolein

Concen: 228.641 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 82410

Ion Ratio Lower Upper

56 100

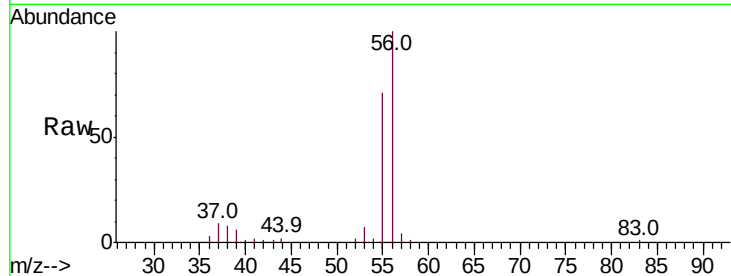
55 70.8 56.5 84.7

Manual Integrations

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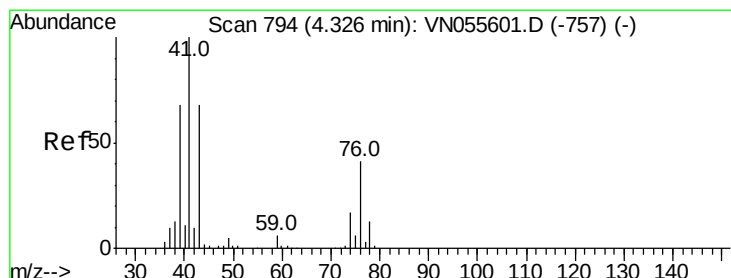
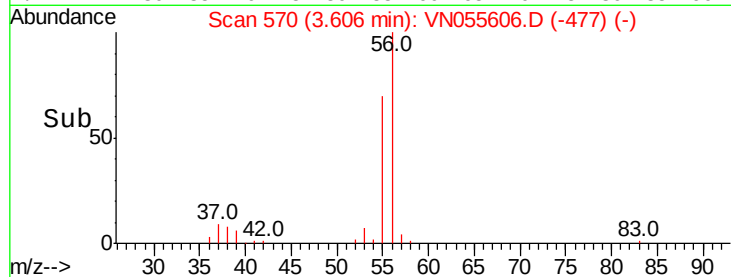
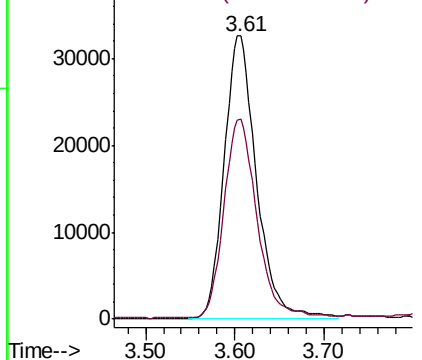
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.854 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

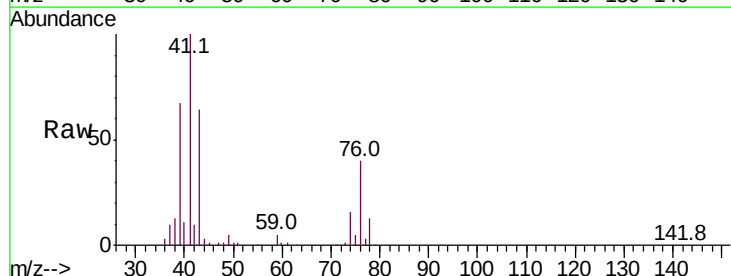
Tgt Ion: 41 Resp: 238898

Ion Ratio Lower Upper

41 100

39 63.5 50.5 75.7

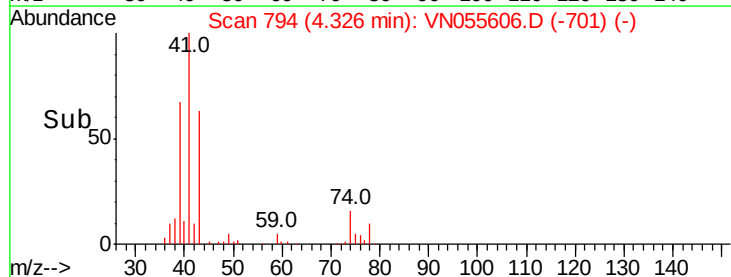
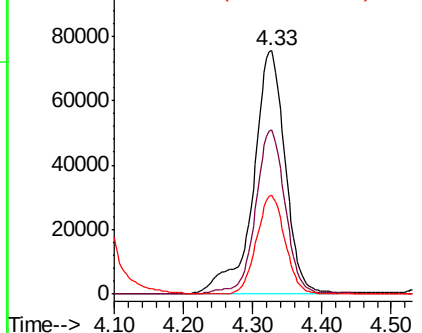
76 36.5 29.2 43.8

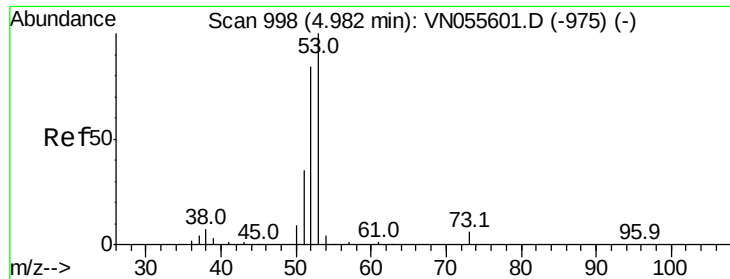


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 233.440 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

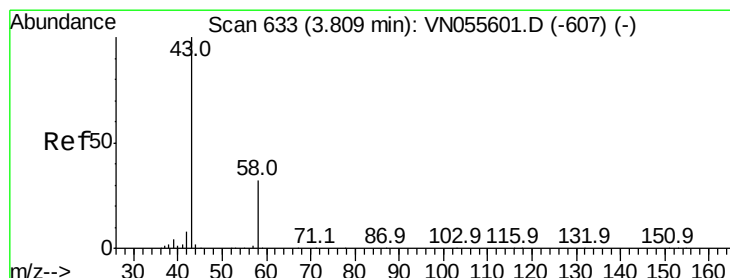
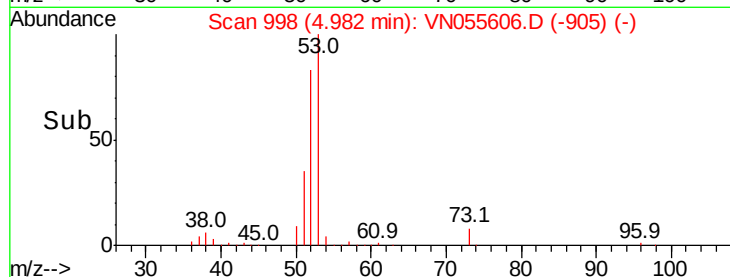
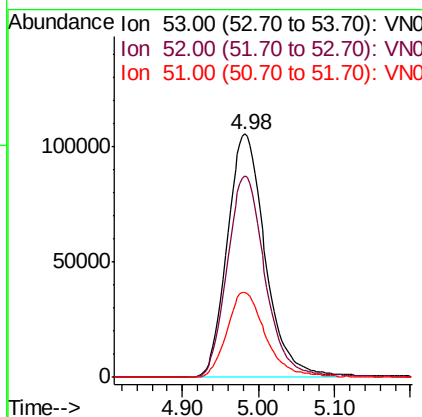
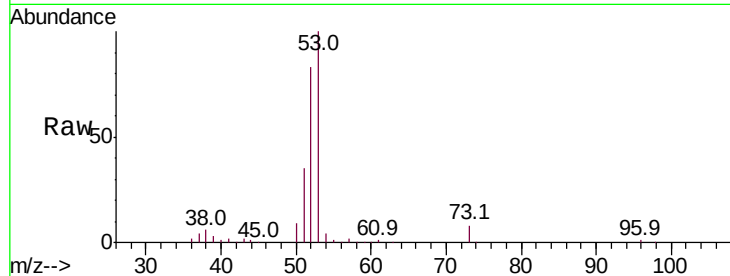
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	367174
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.4
51	35.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 250.192 ug/l

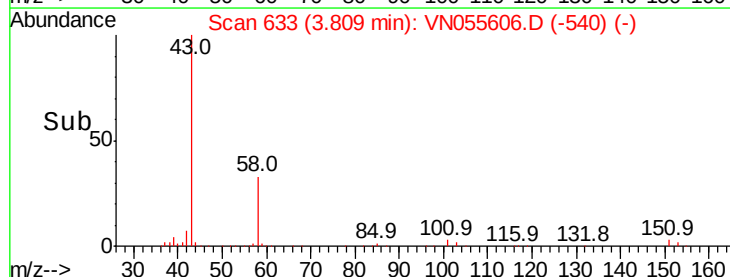
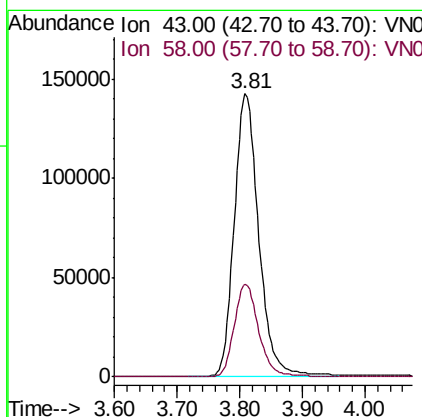
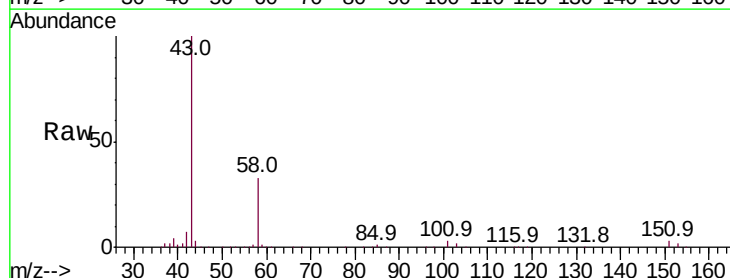
RT: 3.81 min Scan# 633

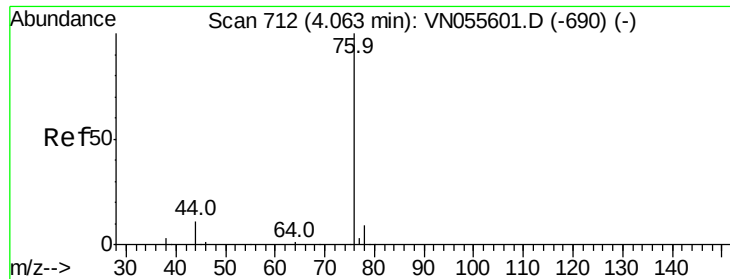
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion	43	Resp	387076
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.0	39.0





#17

Carbon Disulfide

Concen: 45.336 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 398052

Ion Ratio Lower Upper

76 100

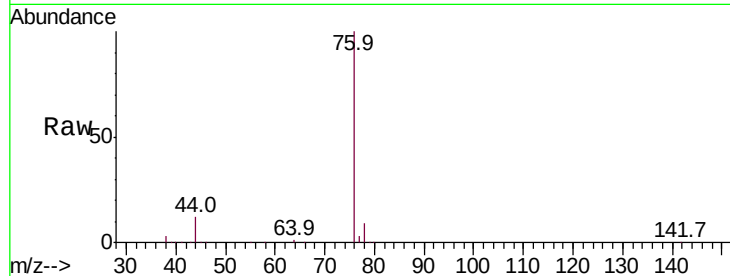
78 9.0 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

150000

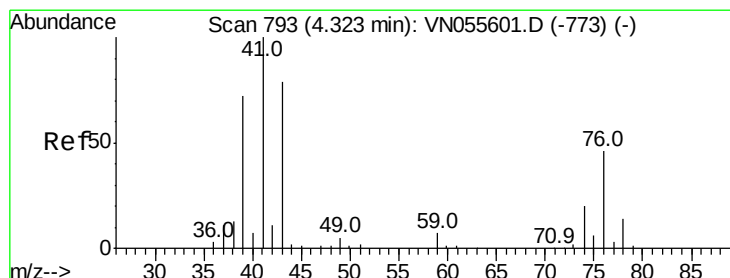
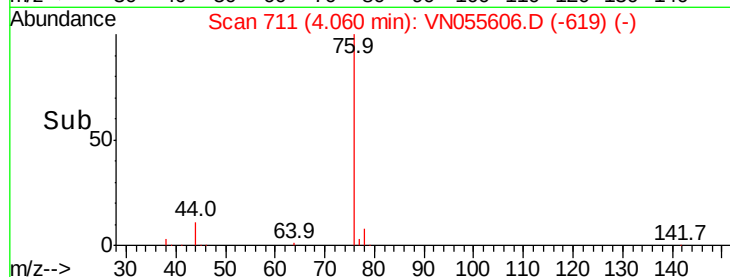
100000

50000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 45.320 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN055606.D

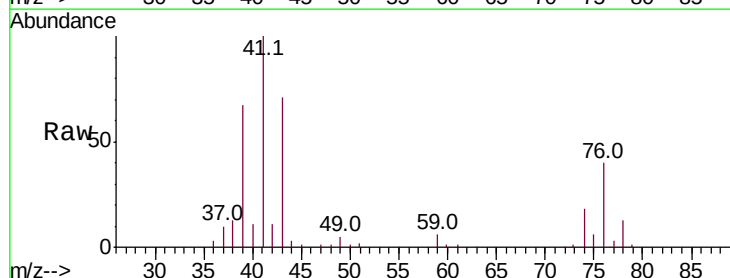
Acq: 17 May 2019 13:06

Tgt Ion: 43 Resp: 150316

Ion Ratio Lower Upper

43 100

74 25.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

30000

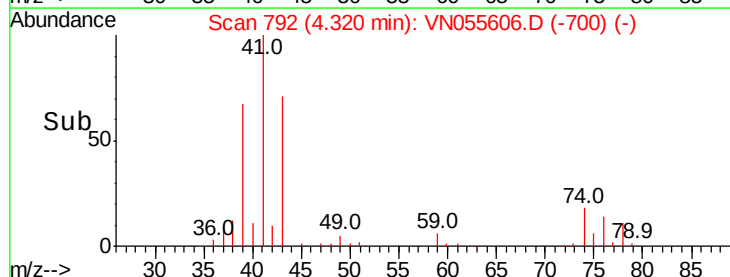
20000

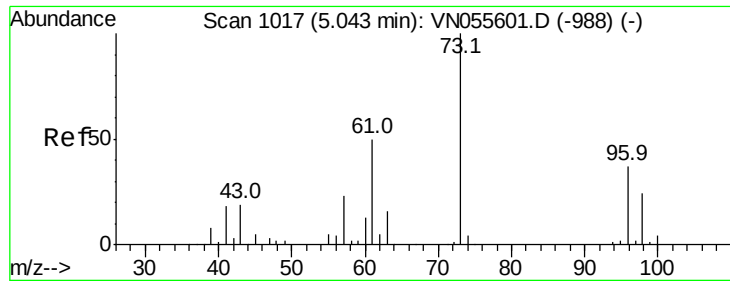
10000

0

4.20 4.30 4.40

Time-->





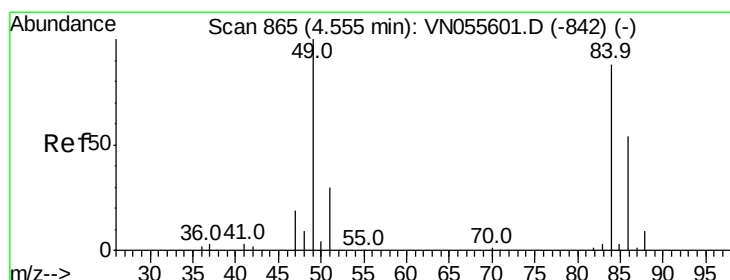
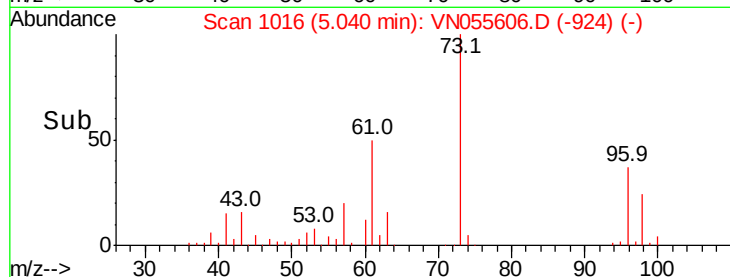
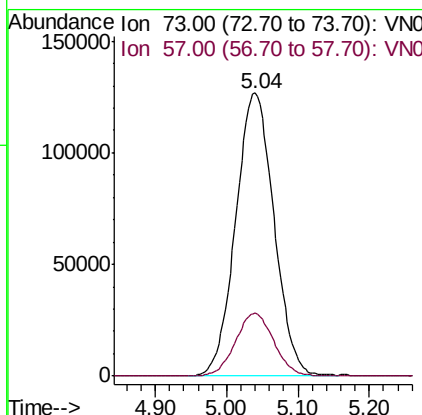
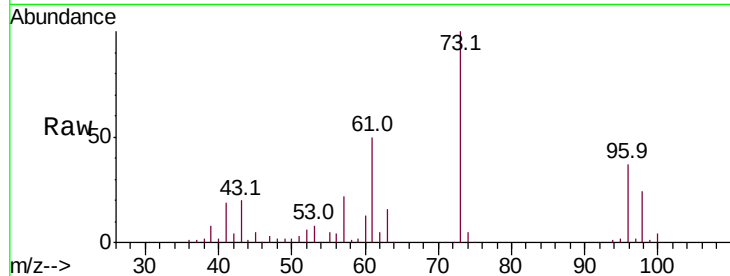
#19
Methyl tert-butyl Ether
Concen: 45.391 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 474280
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.2

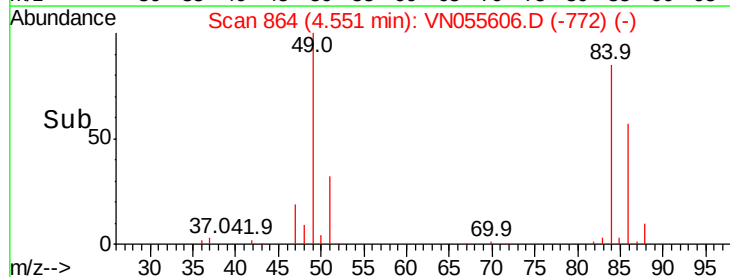
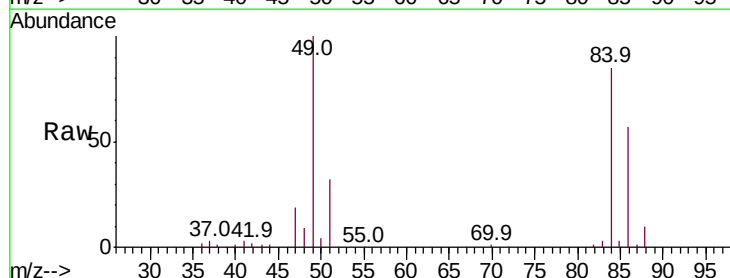
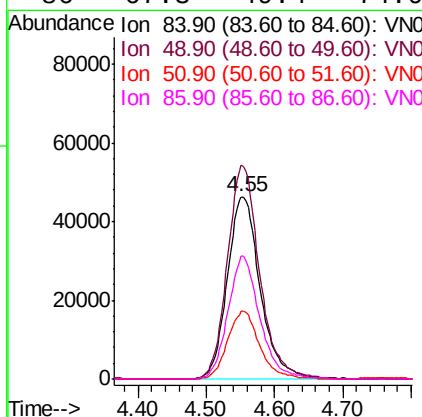
Manual Integrations
APPROVED

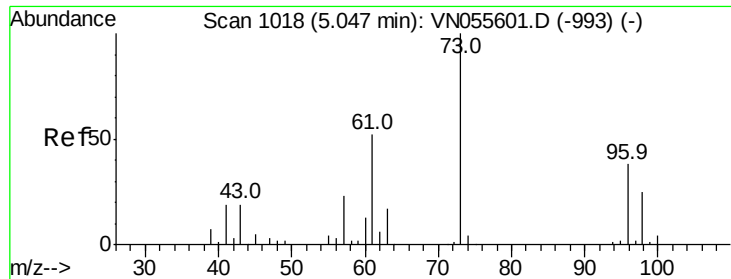
MMDadoda
5/20/2019 9:08:45 AM



#20
Methylene Chloride
Concen: 43.966 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 84 Resp: 155233
Ion Ratio Lower Upper
84 100
49 117.3 91.0 136.4
51 37.0 27.5 41.3
86 67.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 45.807 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 154120

Ion Ratio Lower Upper

96 100

61 134.5 108.6 162.8

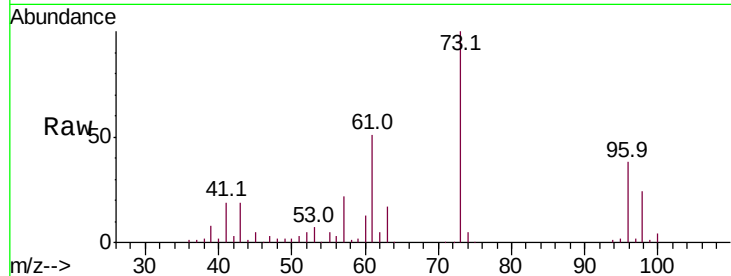
98 63.6 51.4 77.0

Manual Integrations

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MMDadoda

5/20/2019 9:08:45 AM

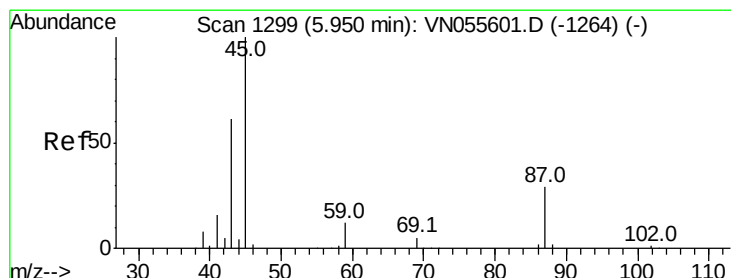
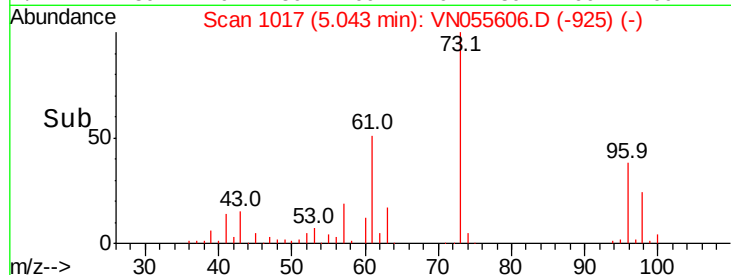
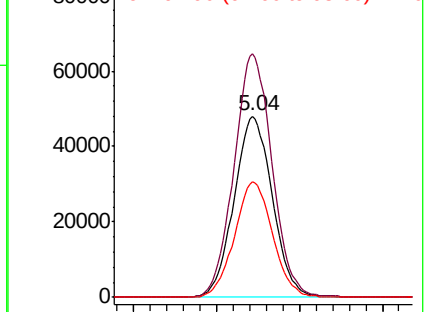


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 45.806 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion: 45 Resp: 462801

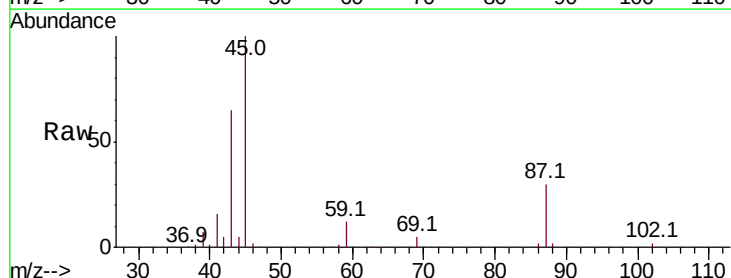
Ion Ratio Lower Upper

45 100

43 62.7 50.4 75.6

87 29.4 23.8 35.6

59 11.6 9.5 14.3



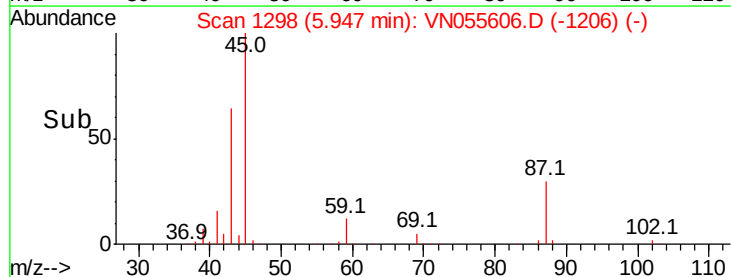
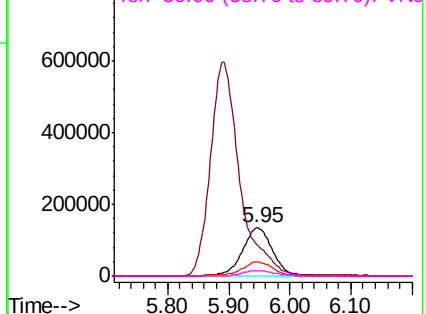
Abundance

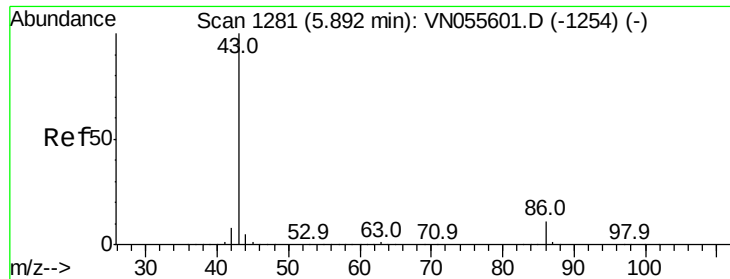
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





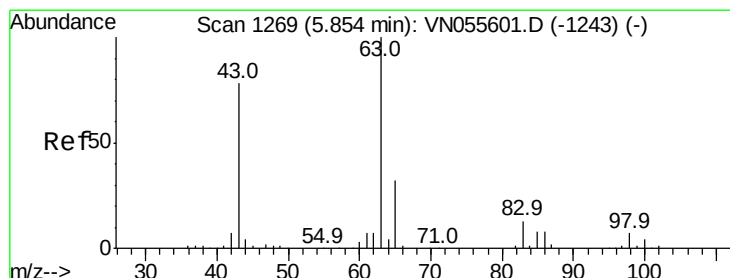
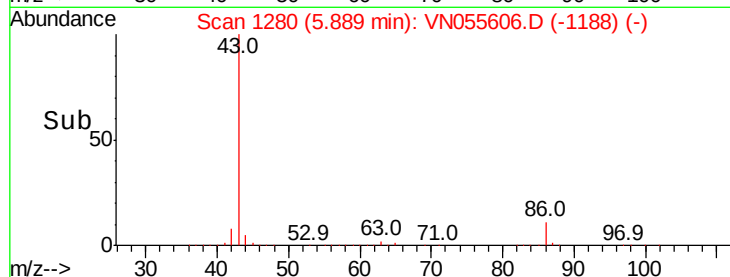
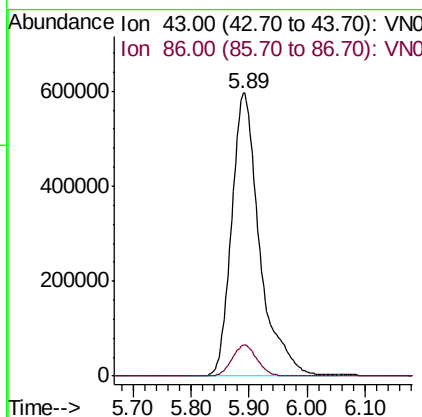
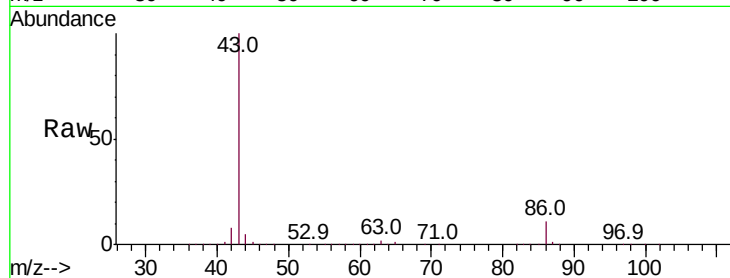
#23
Vinyl Acetate
Concen: 233.230 ug/l
RT: 5.89 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1999488
Ion Ratio Lower Upper
43 100
86 10.9 8.7 13.1

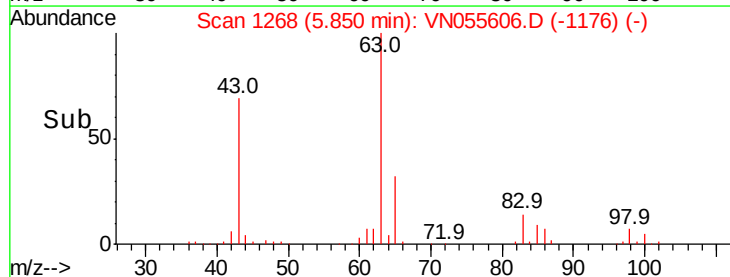
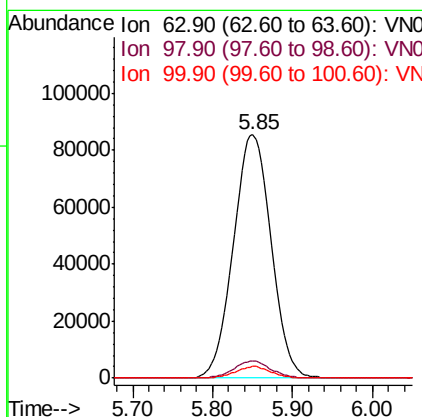
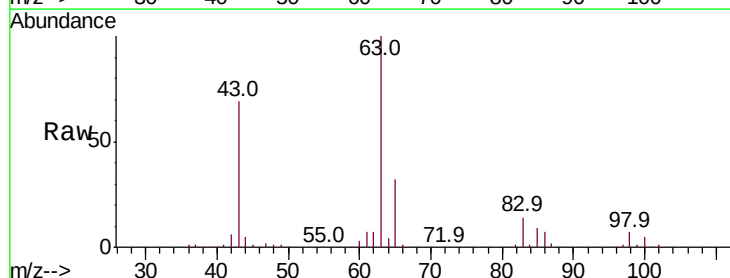
Manual Integrations
APPROVED

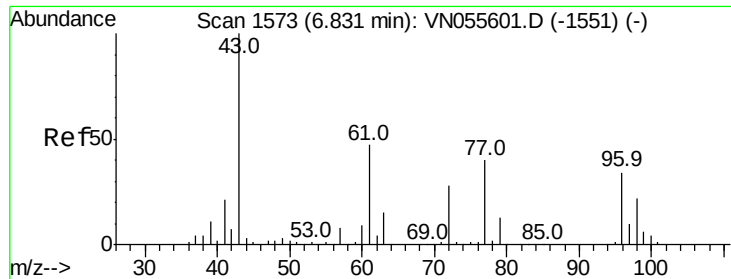
MMDadoda
5/20/2019 9:08:45 AM



#24
1,1-Dichloroethane
Concen: 46.193 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 63 Resp: 273656
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.2
100 4.8 2.2 6.6





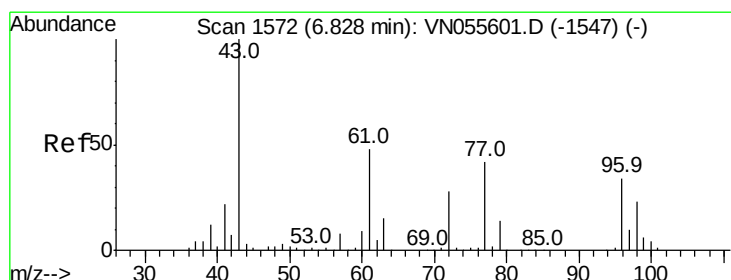
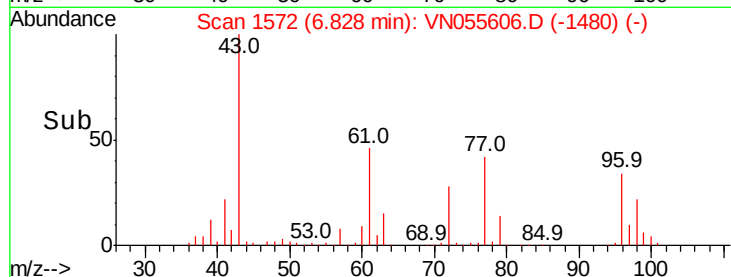
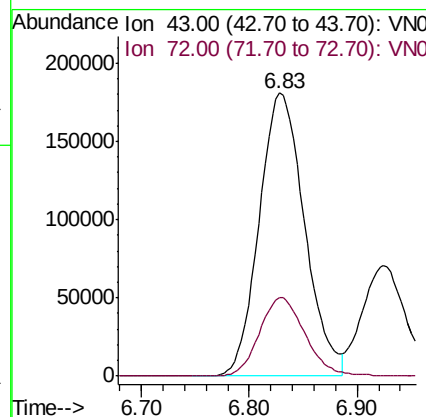
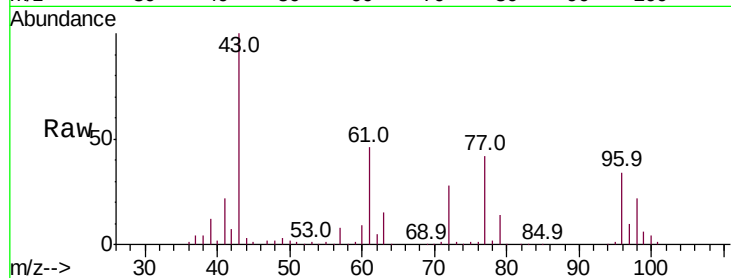
#25
2-Butanone
Concen: 242.571 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 524729
Ion Ratio Lower Upper
43 100
72 27.7 22.3 33.5

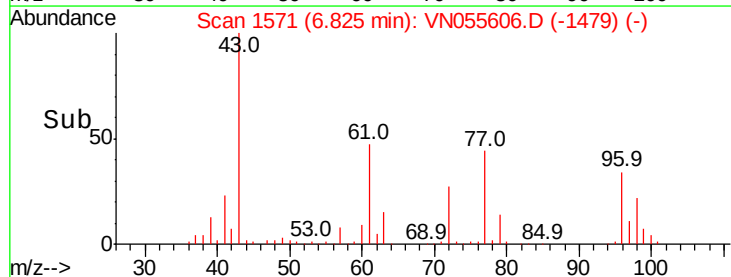
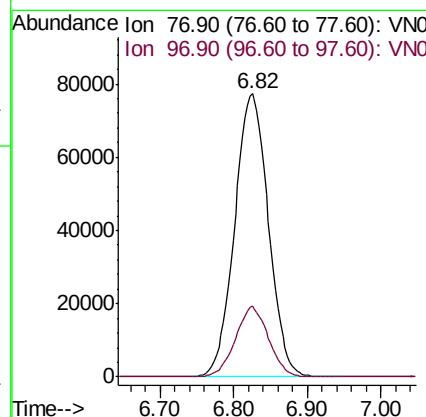
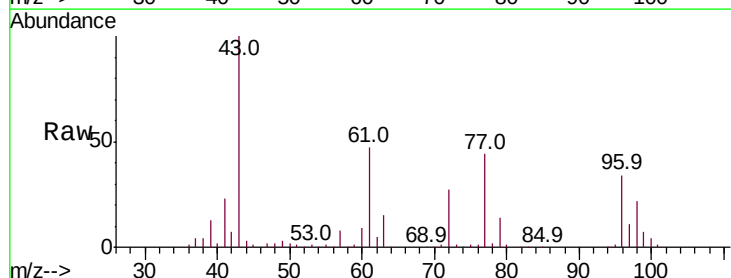
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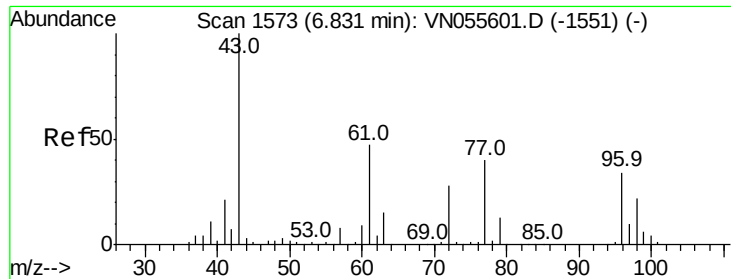
MMDadoda
5/20/2019 9:08:45 AM



#26
2,2-Dichloropropane
Concen: 46.896 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 77 Resp: 246570
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.0





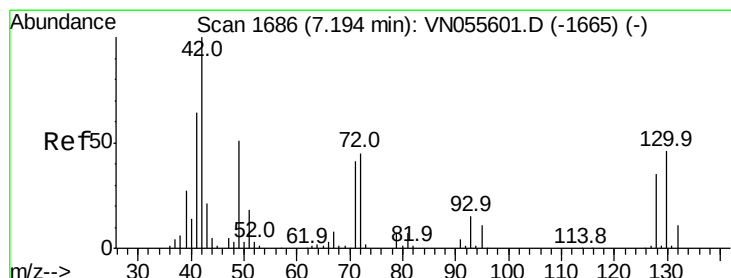
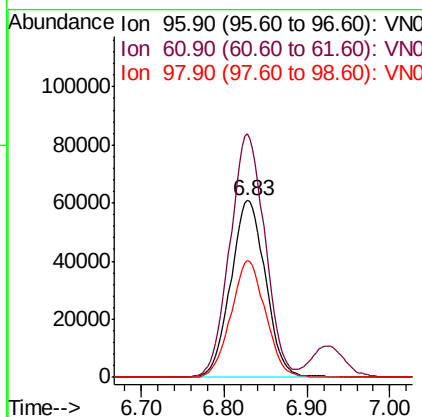
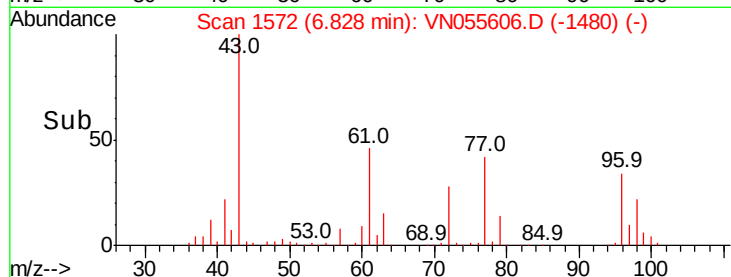
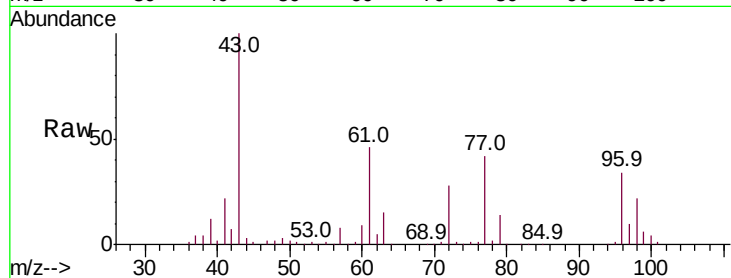
#27
 cis-1,2-Dichloroethene
 Concen: 45.280 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177400		
61	138.9	0.0	279.0	
98	65.5	0.0	131.6	

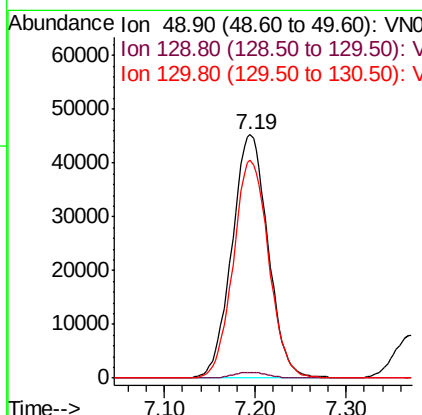
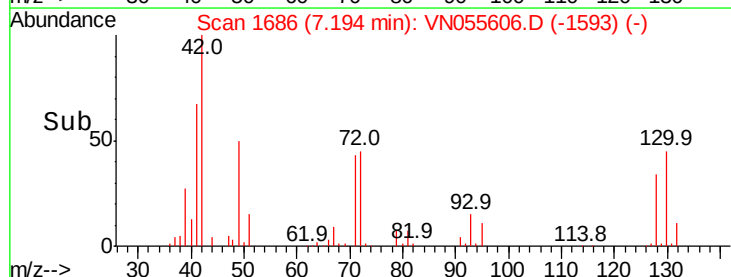
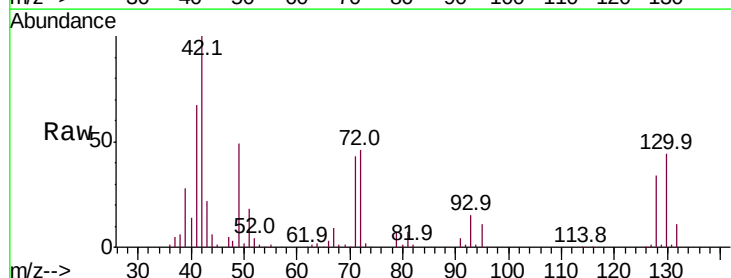
Manual Integrations
 APPROVED

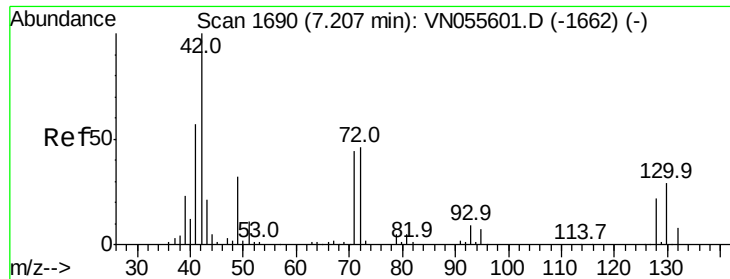
MMDadoda
 5/20/2019 9:08:45 AM



#28
 Bromochloromethane
 Concen: 48.471 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124925		
129	2.2	0.0	4.4	
130	88.0	71.0	106.6	





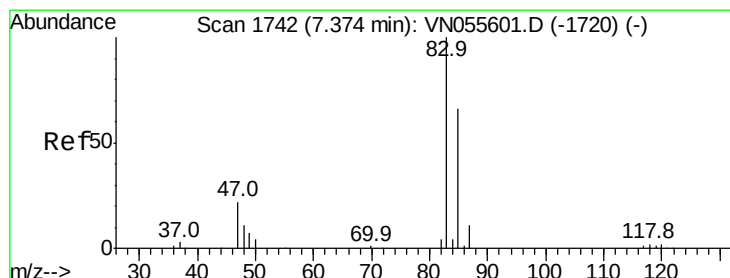
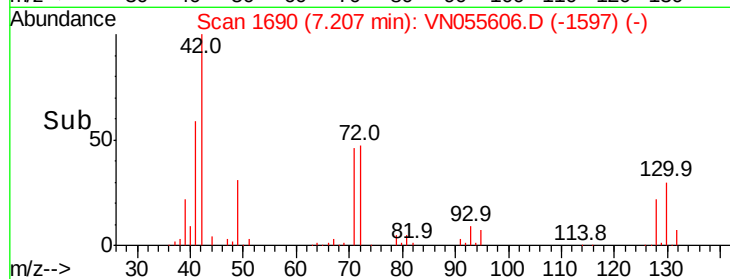
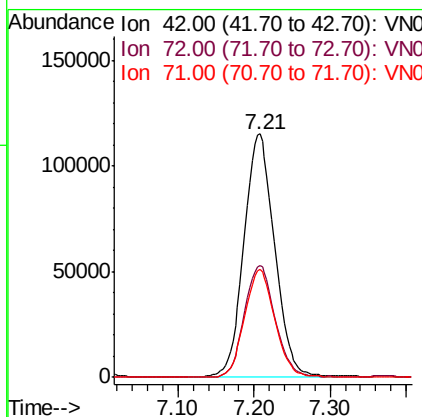
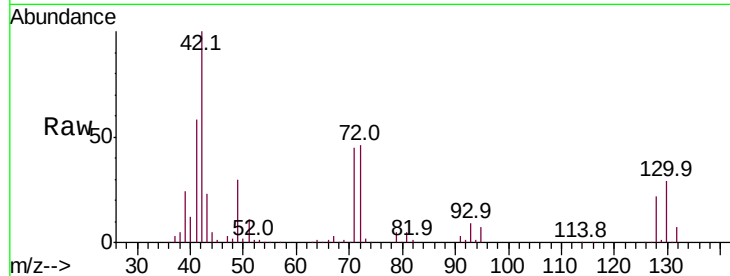
#29
Tetrahydrofuran
Concen: 227.055 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.5	54.7
71	43.6	34.9	52.3

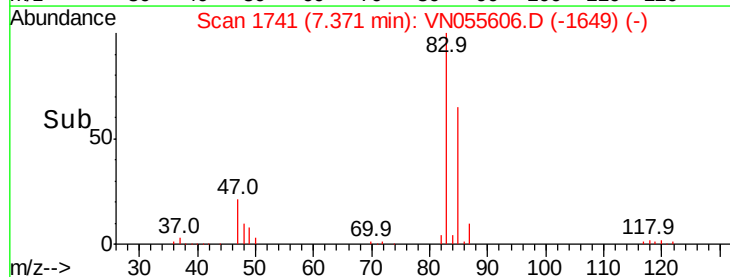
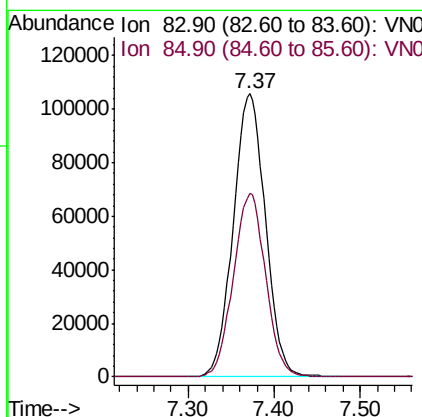
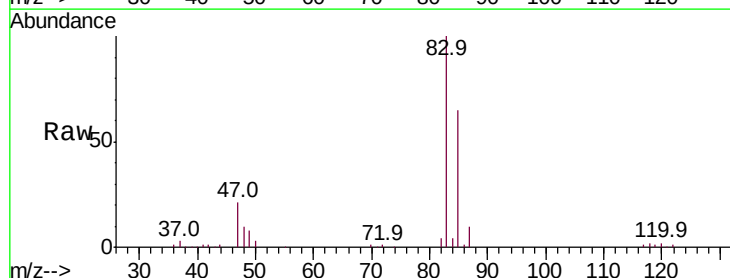
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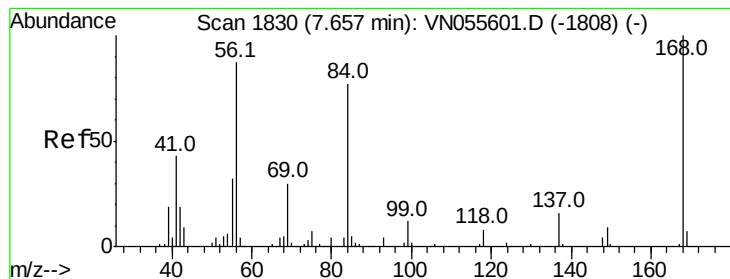
MMDadoda
5/20/2019 9:08:45 AM



#30
Chloroform
Concen: 45.245 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8





#31

Cyclohexane

Concen: 45.496 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 255803

Ion Ratio Lower Upper

56 100

69 34.8 27.2 40.8

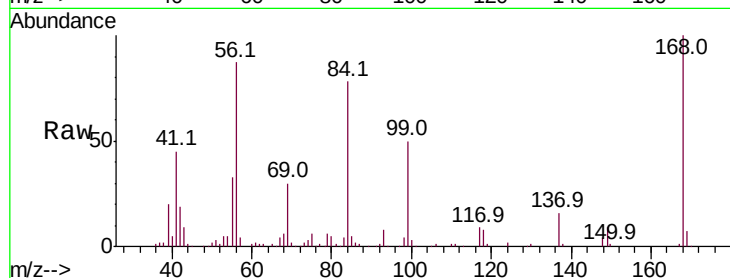
84 89.2 71.3 106.9

Manual Integrations

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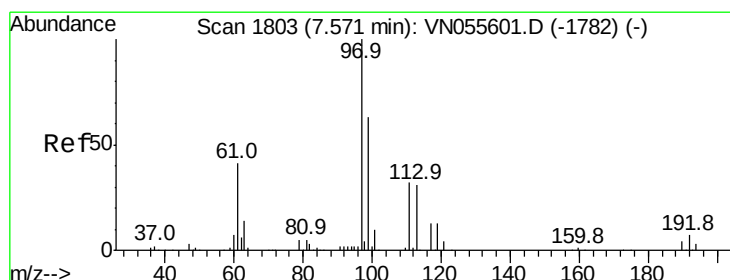
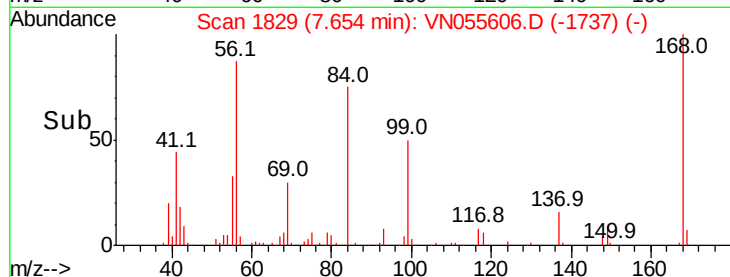
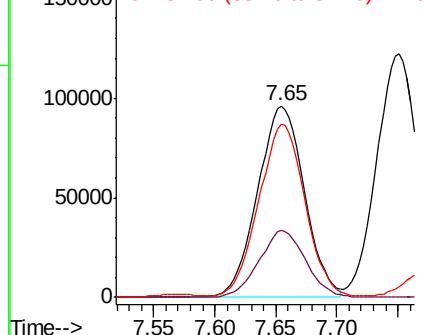


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 44.875 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

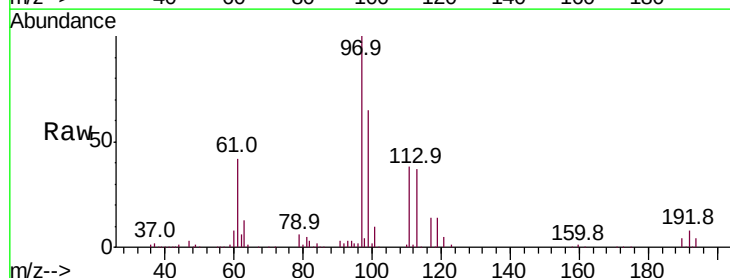
Tgt Ion: 97 Resp: 244762

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 41.2 32.9 49.3

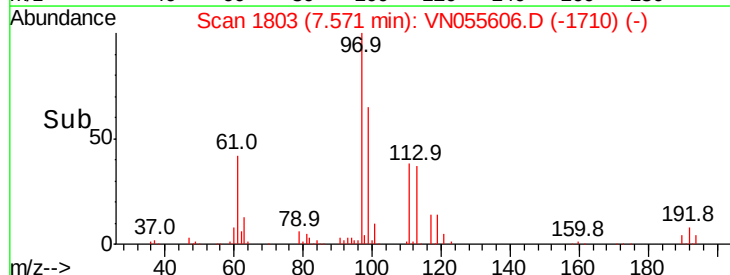
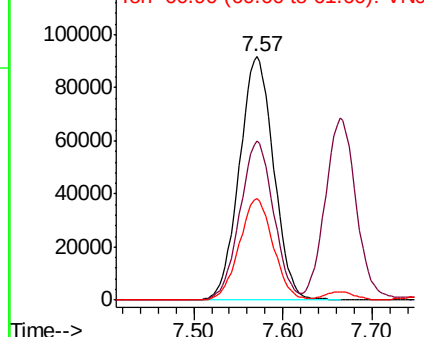


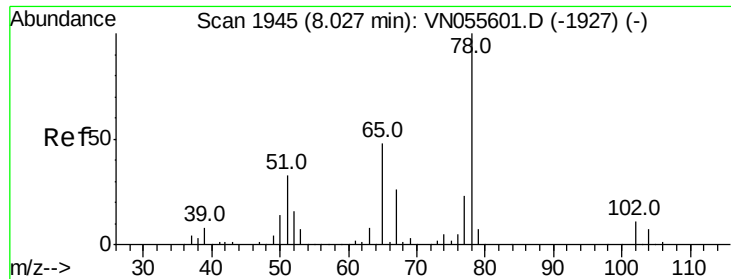
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





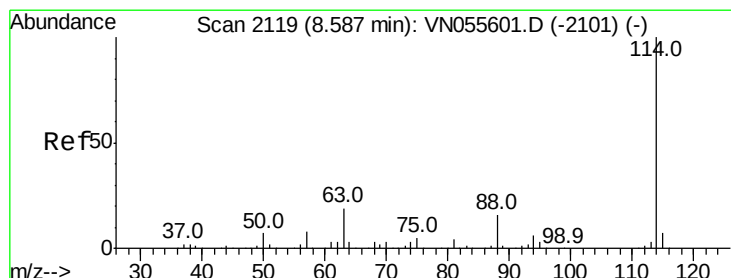
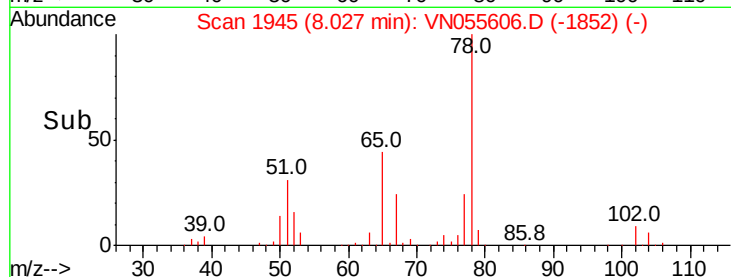
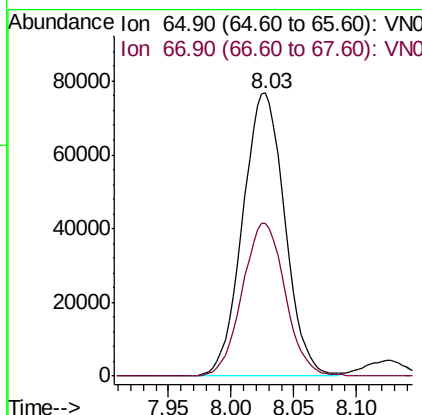
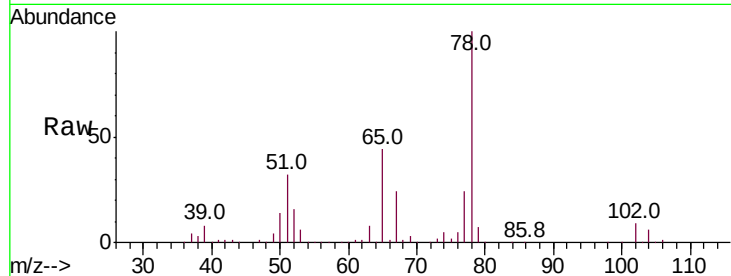
#33
 1,2-Dichloroethane-d4
 Concen: 47.394 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179676		
67	54.9	0.0	108.6	

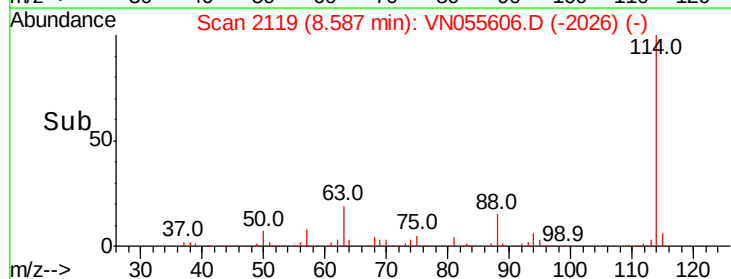
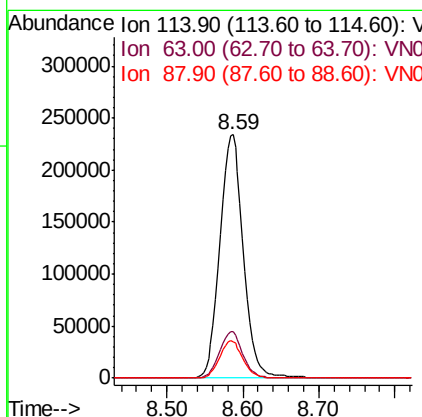
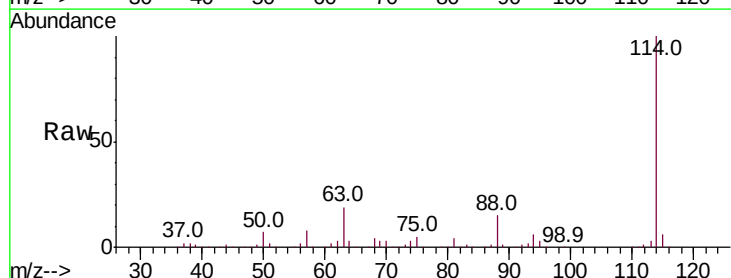
Manual Integrations
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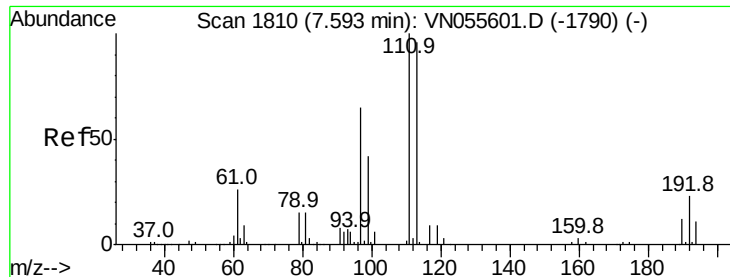
MMDadoda
 5/20/2019 9:08:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	502676		
63	18.9	0.0	38.2	
88	15.1	0.0	31.0	





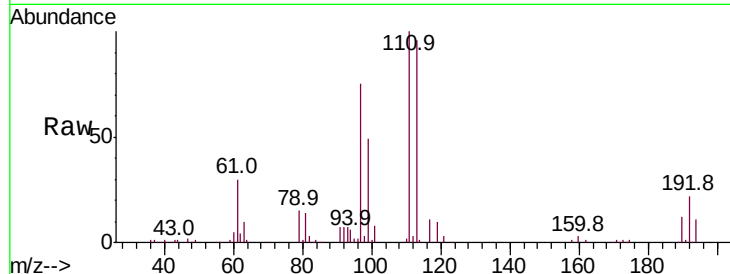
#35
 Dibromofluoromethane
 Concen: 50.285 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

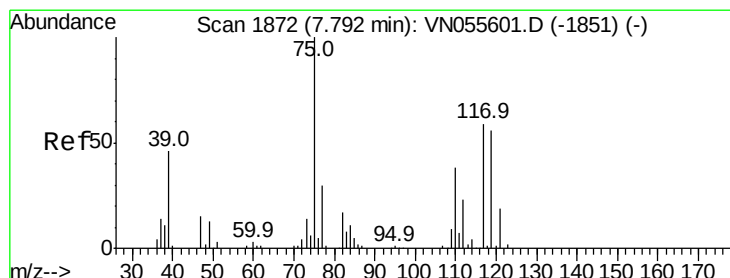
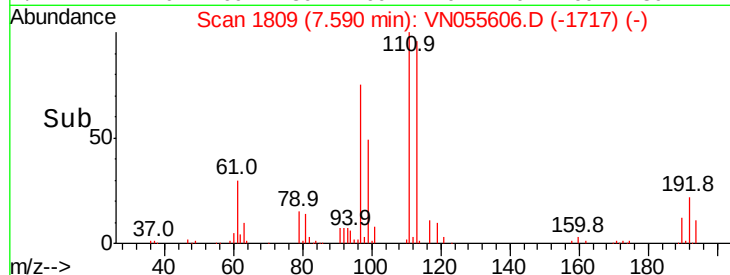
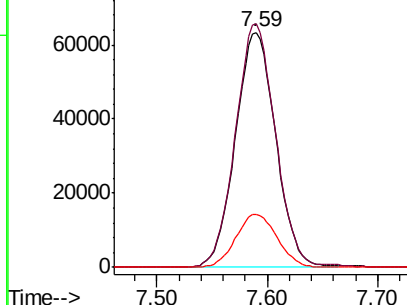
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.5	123.7	
192	23.1	18.7	28.1	

Manual Integrations
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 5/20/2019 9:08:45 AM

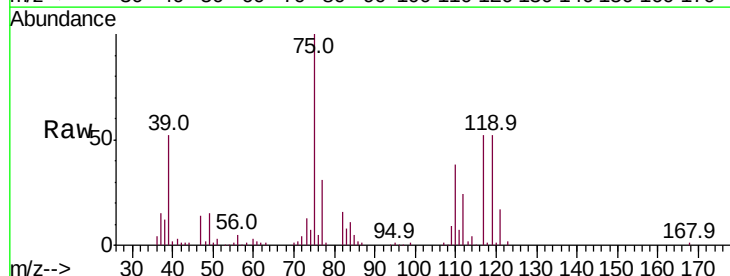


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

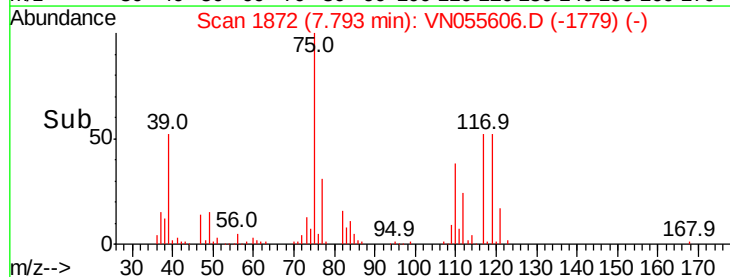
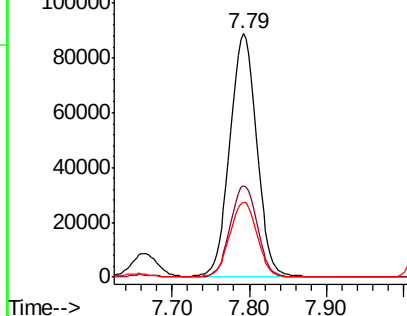


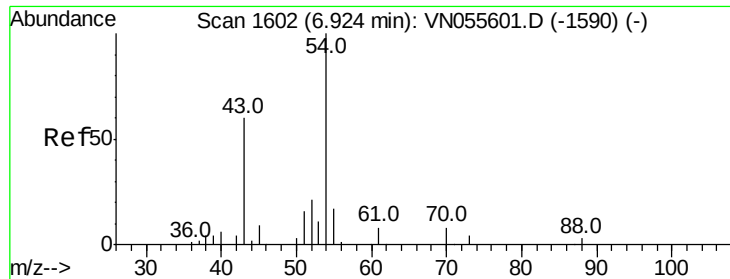
#36
 1,1-Dichloropropene
 Concen: 47.815 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.6	55.6	
77	31.4	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





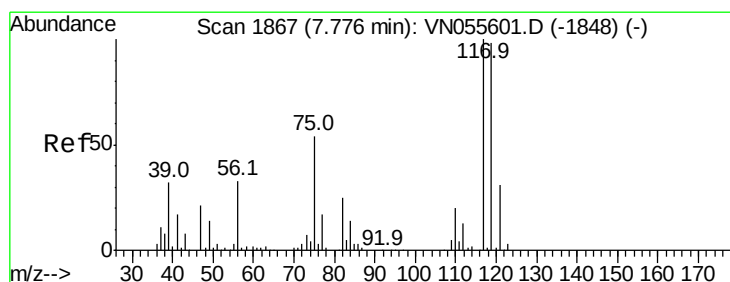
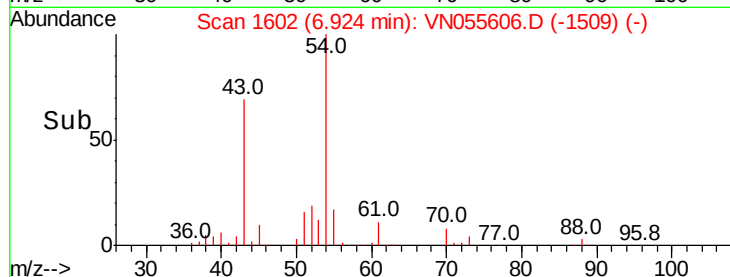
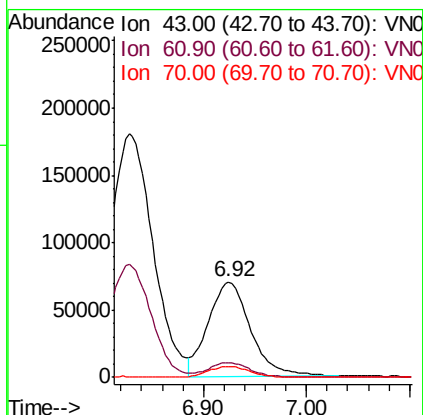
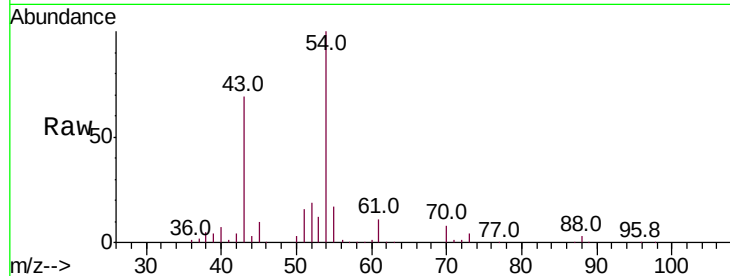
#37
Ethyl Acetate
Concen: 49.221 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.4	17.0
70	11.8	9.2	13.8

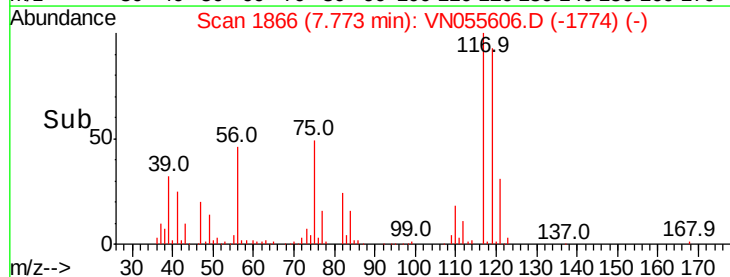
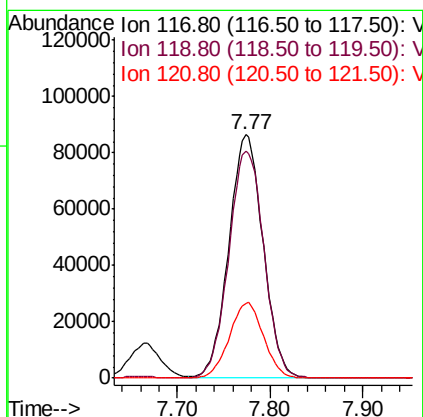
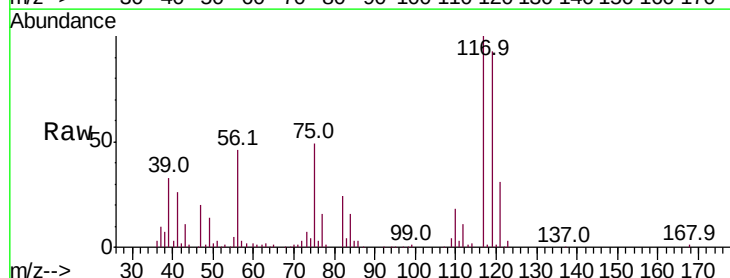
Manual Integrations
APPROVED

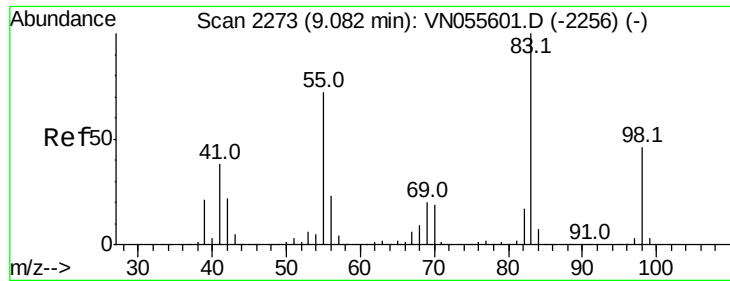
MMDadoda
5/20/2019 9:08:45 AM



#38
Carbon Tetrachloride
Concen: 46.256 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.8	116.8
121	30.8	24.6	37.0





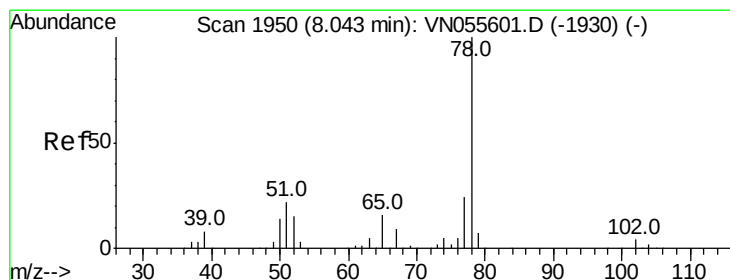
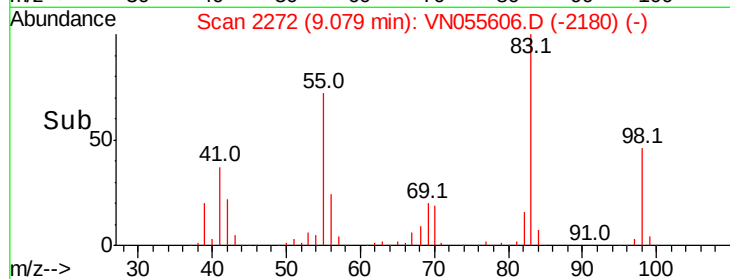
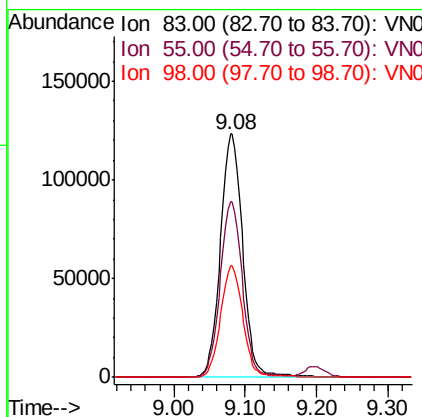
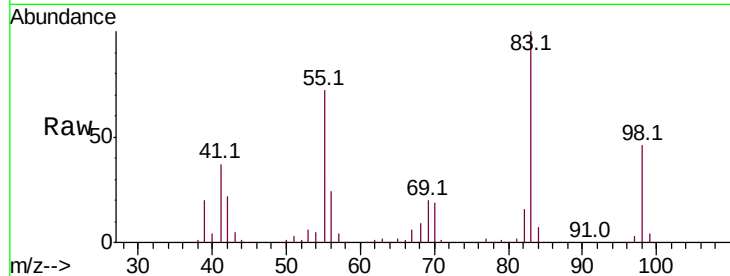
#39
Methylvlcyclohexane
Concen: 49.636 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.8	86.6
98	45.8	36.7	55.1

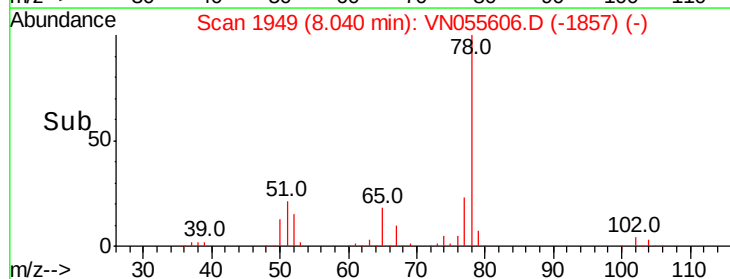
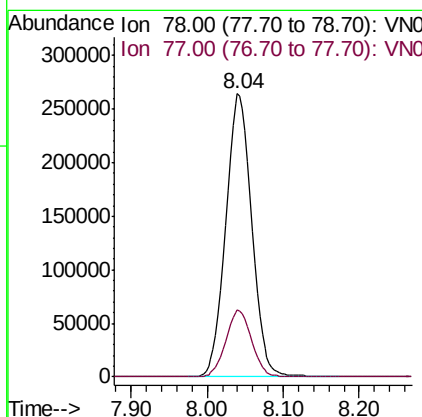
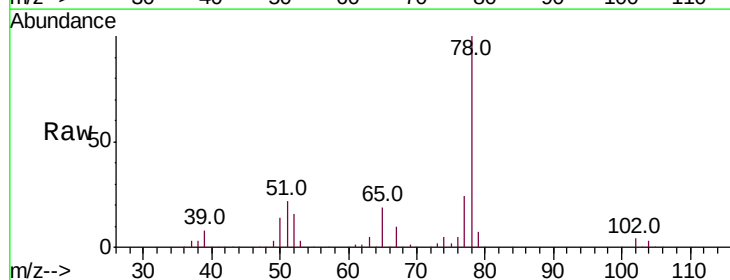
Manual Integrations
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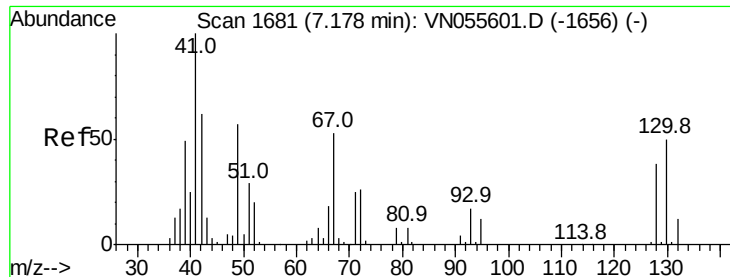
MMDadoda
5/20/2019 9:08:45 AM



#40
Benzene
Concen: 47.799 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





#41

Methacrylonitrile

Concen: 56.444 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 97594

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

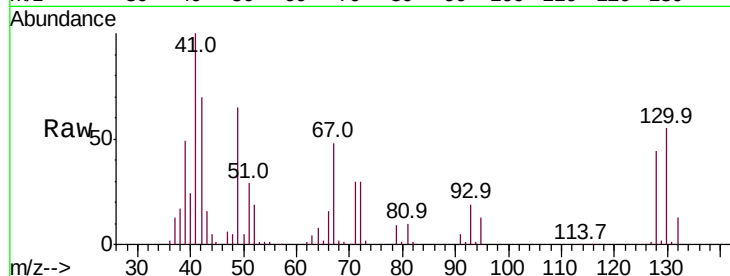
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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5/20/2019 9:08:45 AM

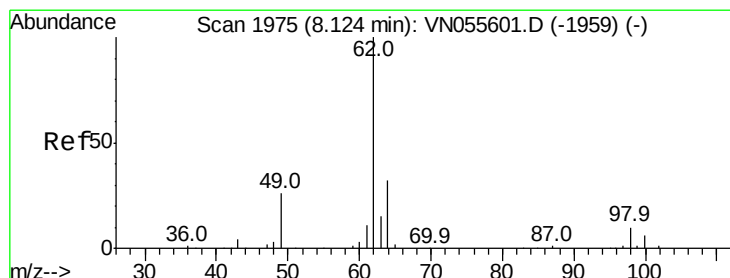
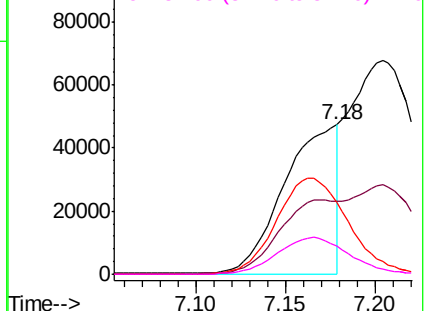
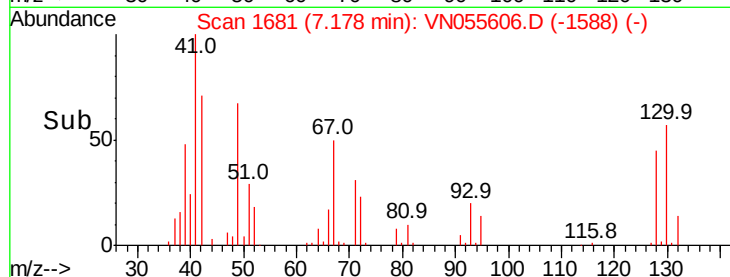


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.369 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055606.D

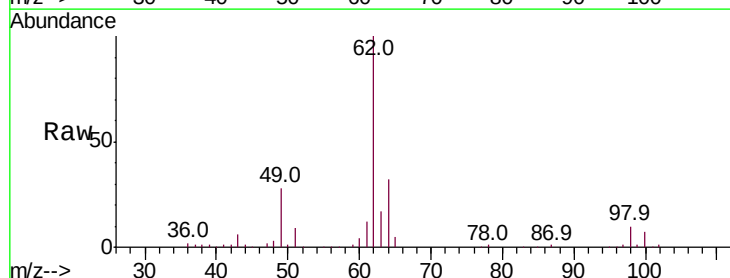
Acq: 17 May 2019 13:06

Tgt Ion: 62 Resp: 206466

Ion Ratio Lower Upper

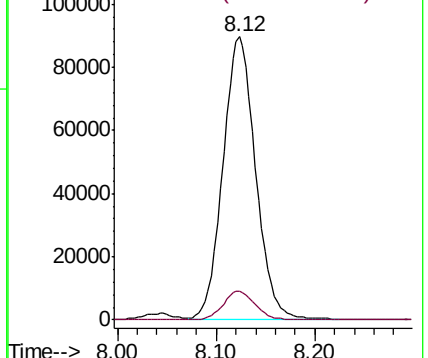
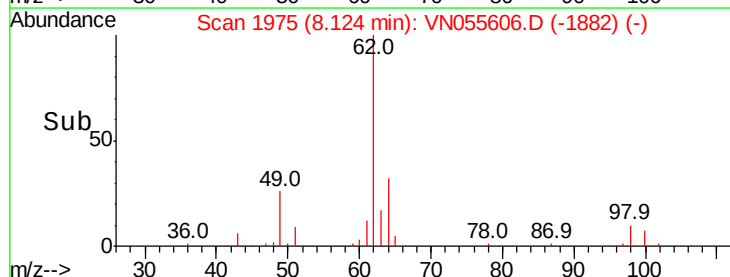
62 100

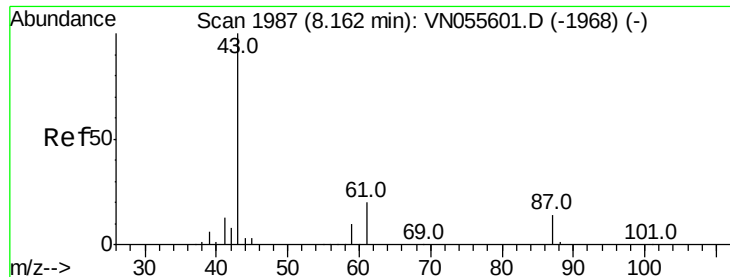
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.404 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

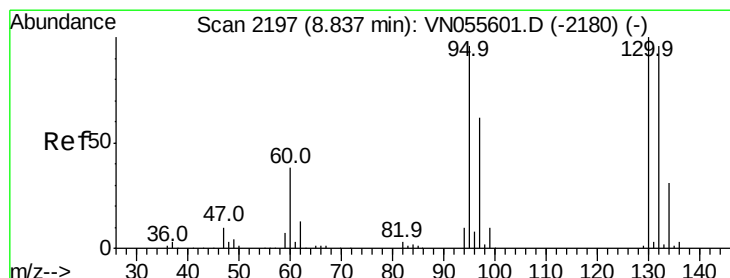
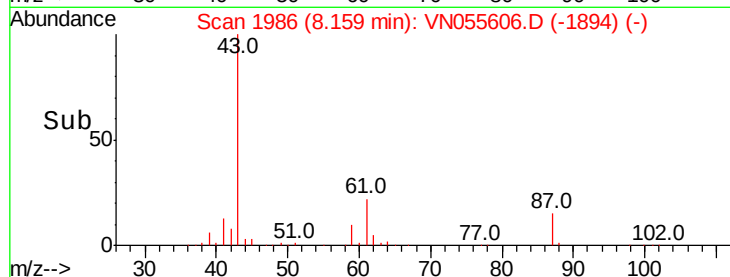
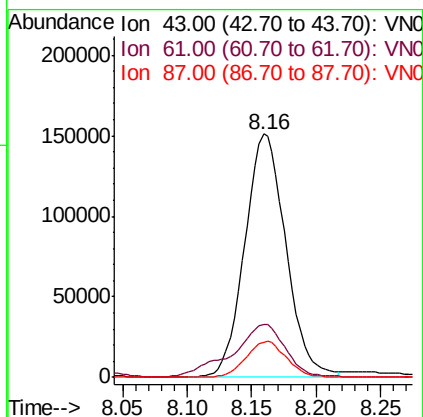
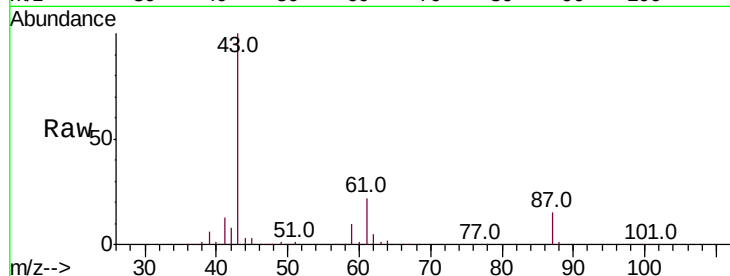
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	333477
Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.1	33.1
87	14.8	11.8	17.6

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#44

Trichloroethene

Concen: 48.779 ug/l

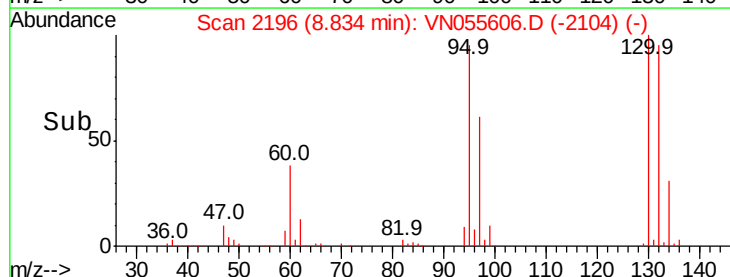
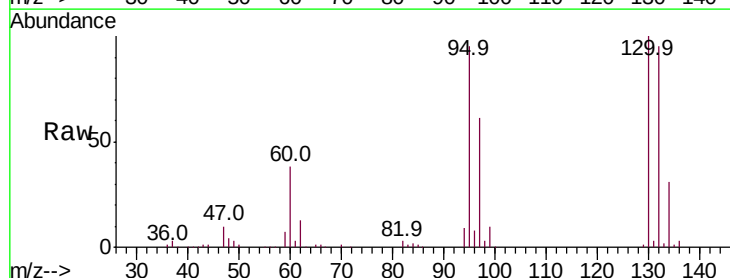
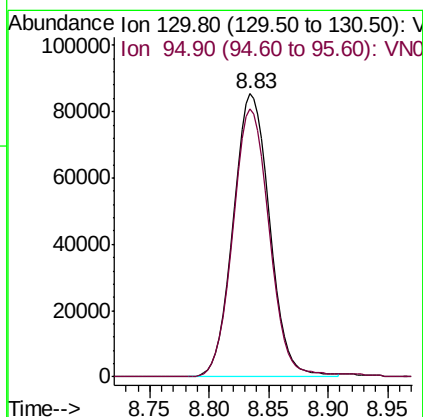
RT: 8.83 min Scan# 2196

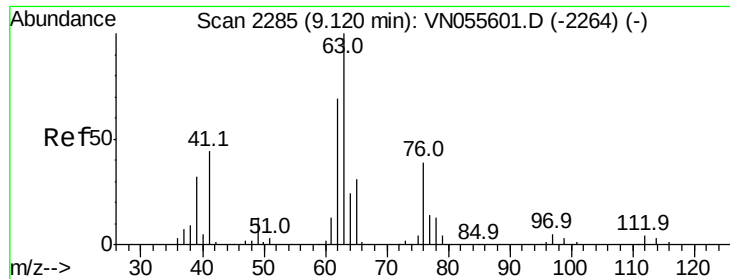
Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion:	130	Resp:	181440
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	191.0





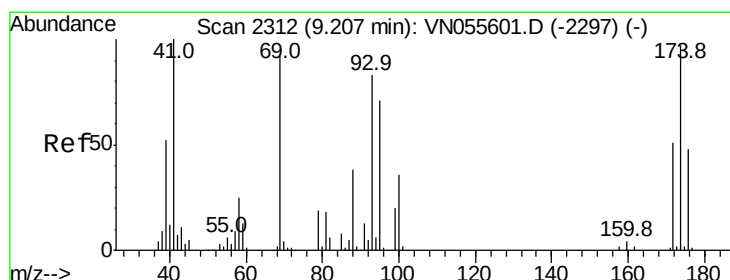
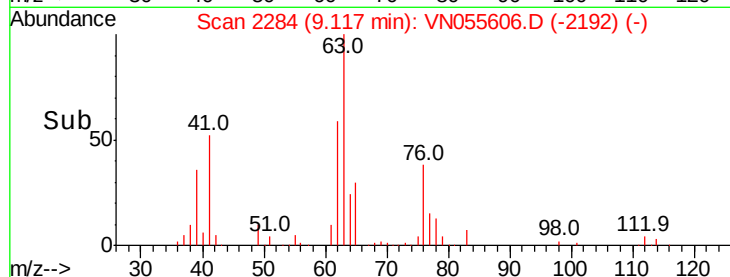
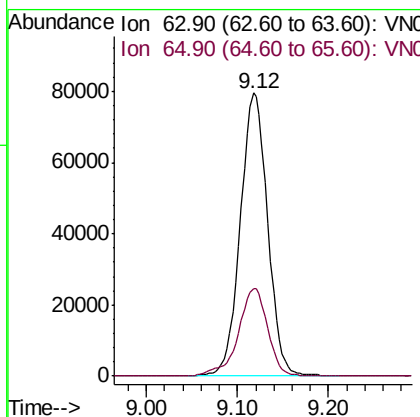
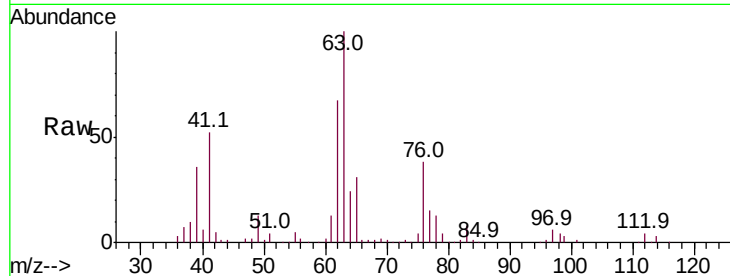
#45
 1,2-Dichloropropane
 Concen: 47.851 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 166169
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8

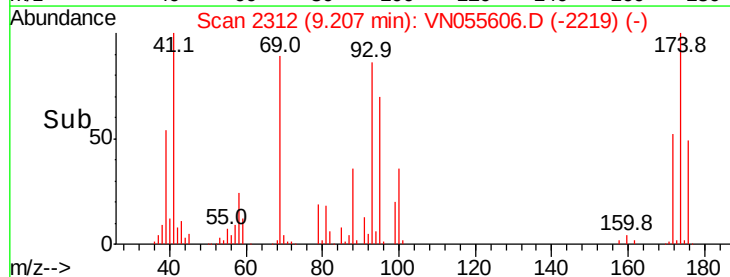
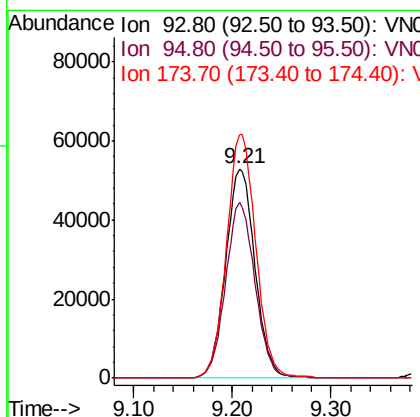
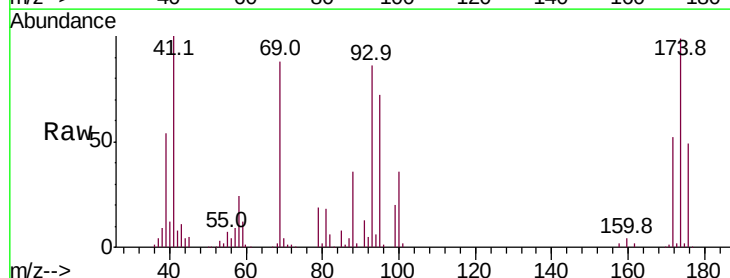
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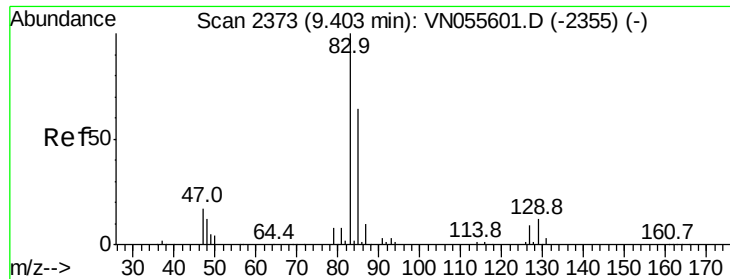
MMDadoda
 5/20/2019 9:08:45 AM



#46
 Dibromomethane
 Concen: 48.449 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 93 Resp: 110118
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.9 101.9
 174 116.3 93.8 140.6





#47

Bromodichloromethane

Concen: 47.130 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

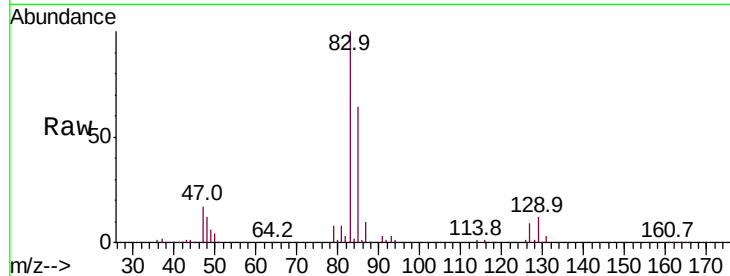
ClientSampleId :

VSTDCCC050

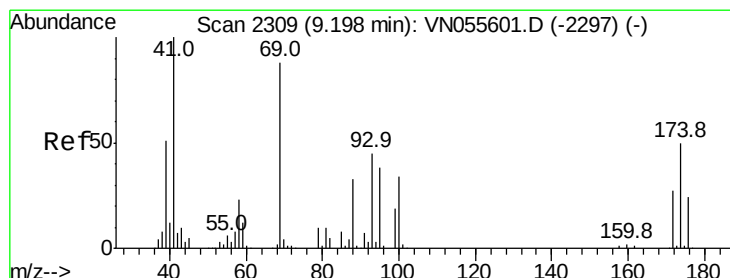
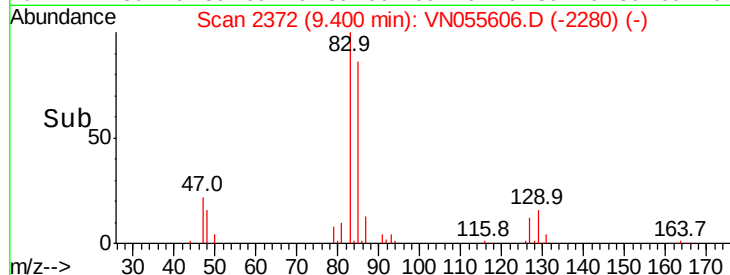
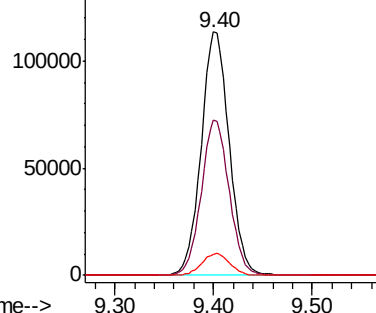
Tot Ion:	83	Resp:	224506
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.4	77.0
127	8.8	7.1	10.7

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): VNO



#48

Methyl methacrylate

Concen: 49.318 ug/l

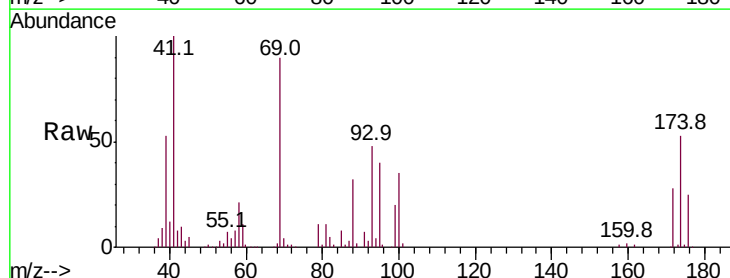
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

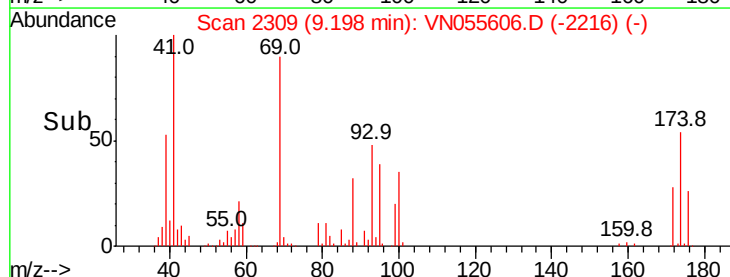
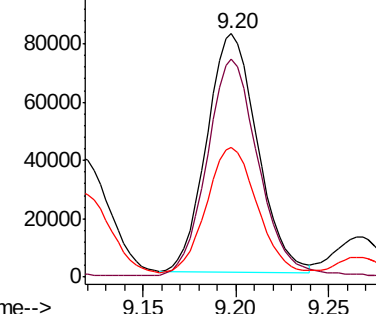
Lab File: VN055606.D

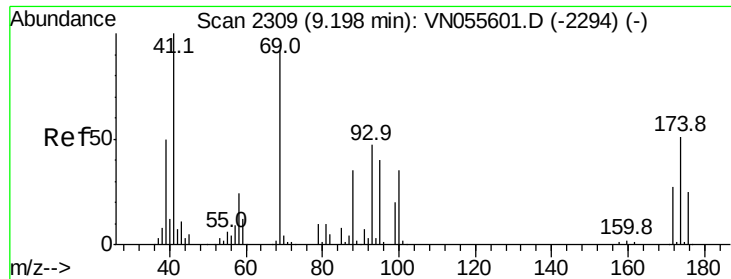
Acq: 17 May 2019 13:06

Tgt Ion:	41	Resp:	155073
Ion Ratio	Lower	Upper	
41	100		
69	93.9	74.2	111.2
39	56.3	43.8	65.8



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





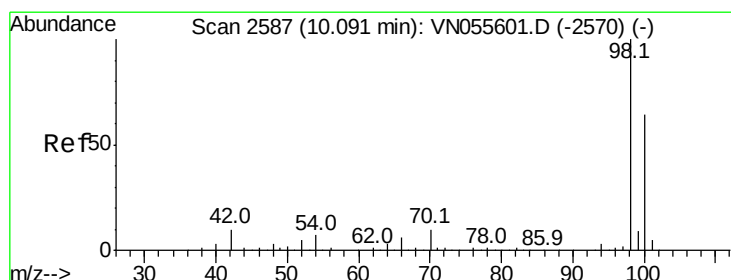
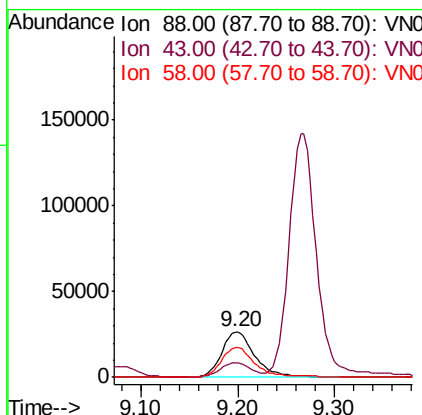
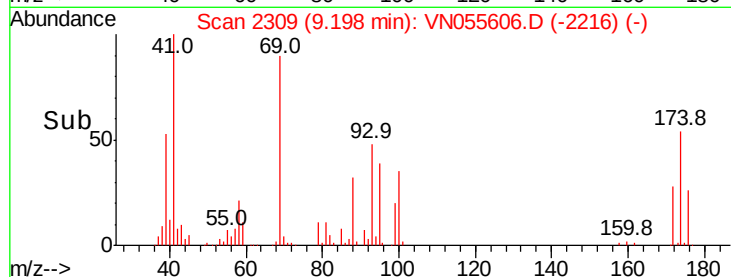
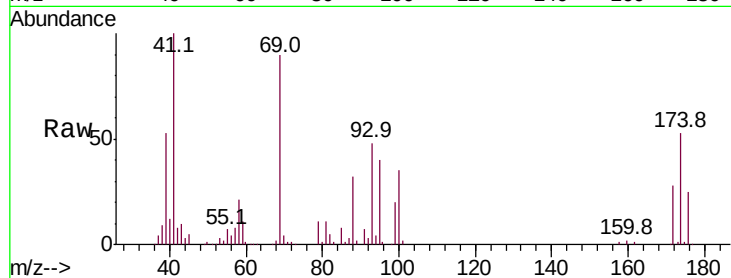
#49
 1,4-Dioxane
 Concen: 1011.832 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.4	33.6
58	66.1	53.4	80.2

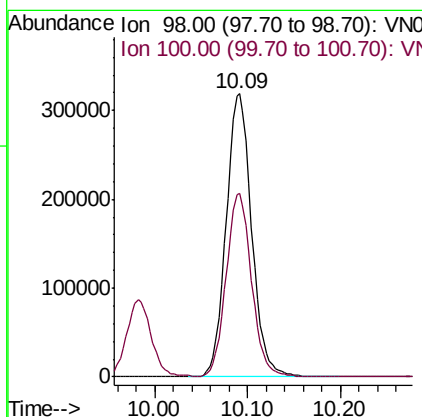
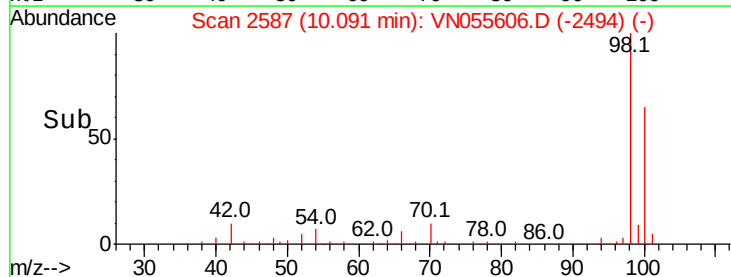
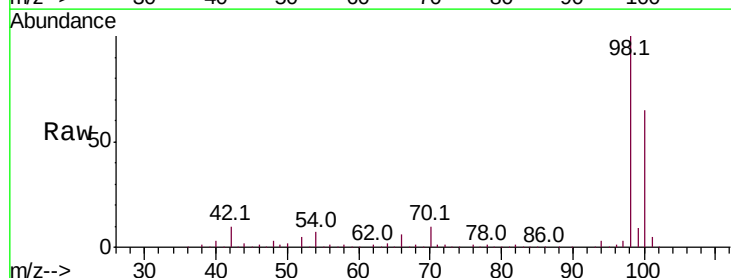
Manual Integrations
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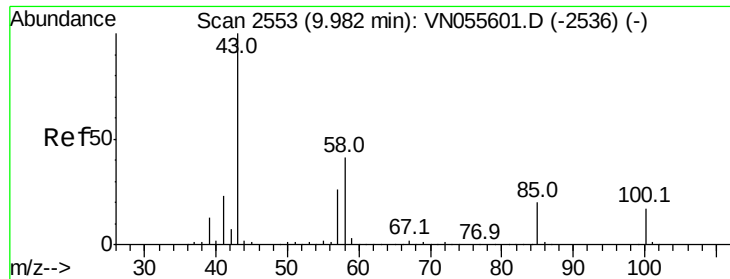
MMDadoda
 5/20/2019 9:08:45 AM



#50
 Toluene-d8
 Concen: 50.231 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 239.237 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 987205

Ion Ratio Lower Upper

43 100

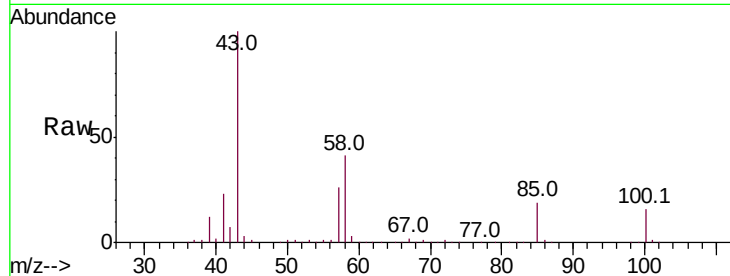
58 41.0 32.7 49.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055606.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN055606.D (-2460) (-)

9.98

600000

500000

400000

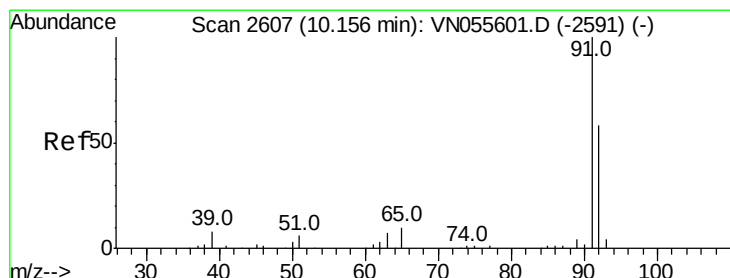
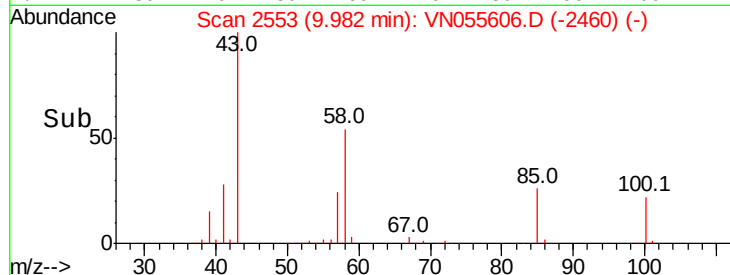
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.409 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055606.D

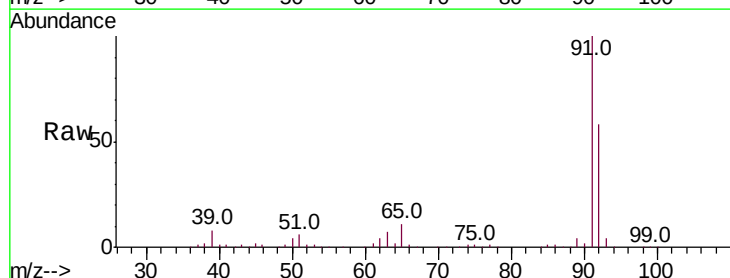
Acq: 17 May 2019 13:06

Tgt Ion: 92 Resp: 400240

Ion Ratio Lower Upper

92 100

91 173.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055606.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055606.D (-2514) (-)

10.16

400000

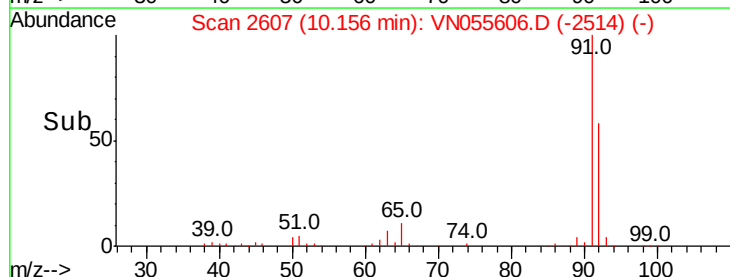
300000

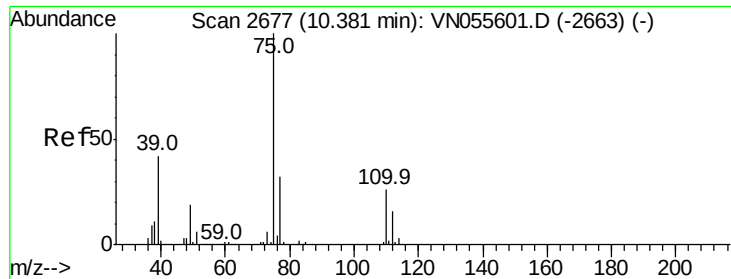
200000

100000

0

Time-->





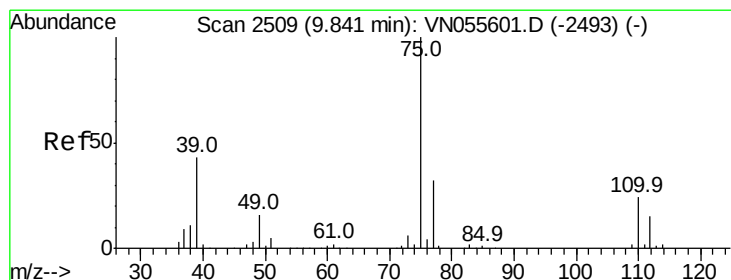
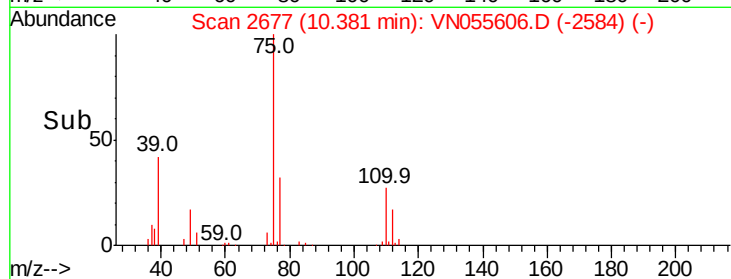
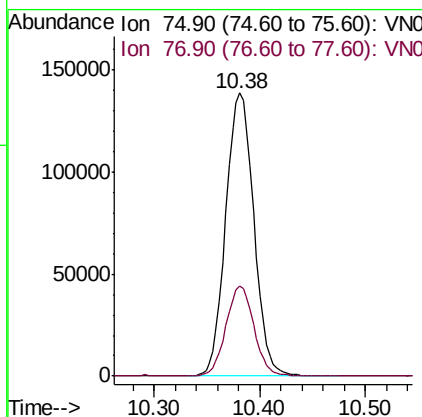
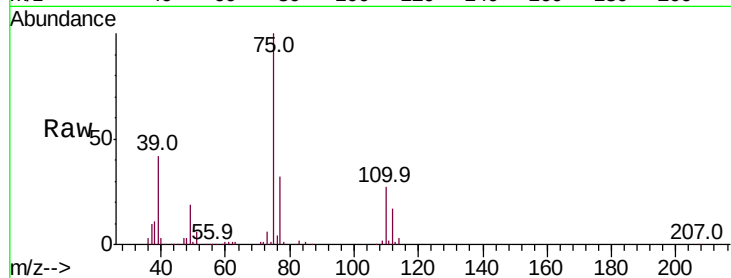
#53
t-1,3-Dichloropropene
Concen: 49.859 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

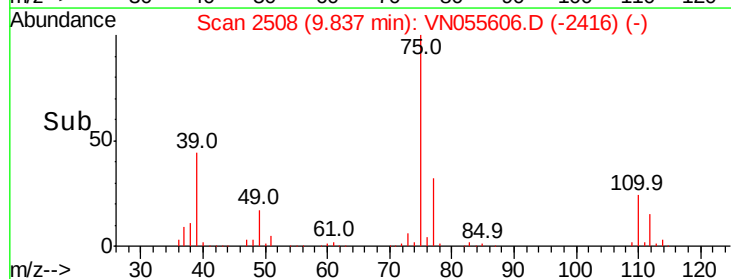
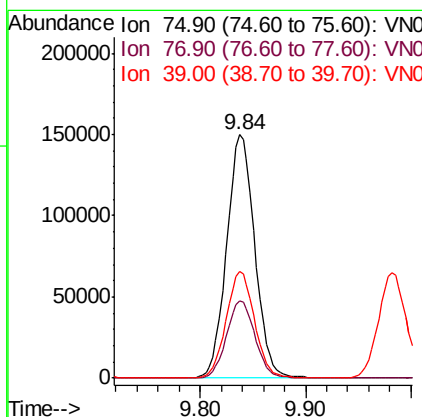
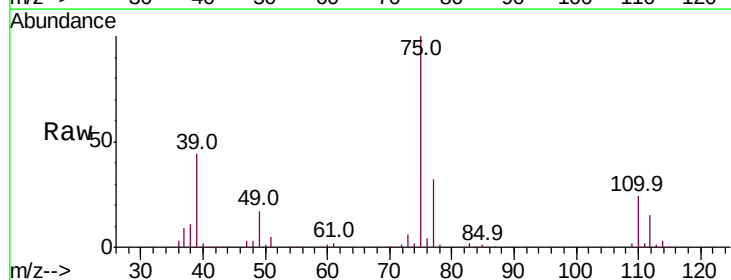
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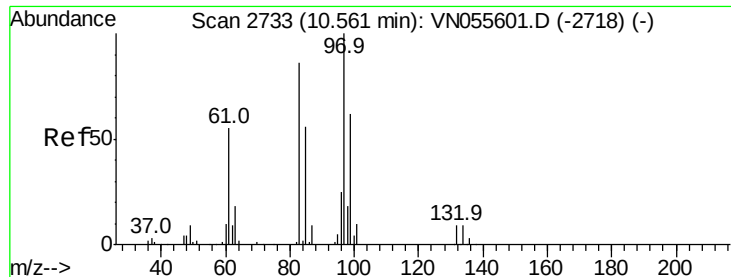
MMDadoda
5/20/2019 9:08:45 AM



#54
cis-1,3-Dichloropropene
Concen: 49.194 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	43.9	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 46.774 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 159208

Ion Ratio Lower Upper

97 100

83 85.2 68.4 102.6

85 56.7 44.8 67.2

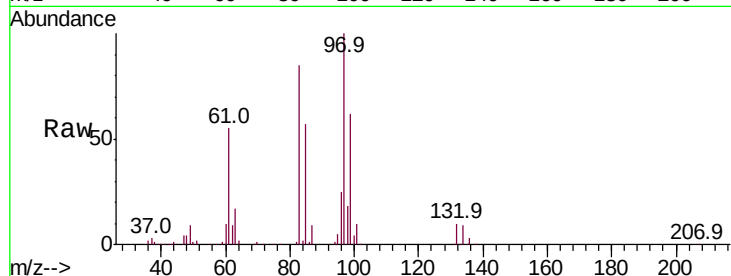
99 62.1 49.9 74.9

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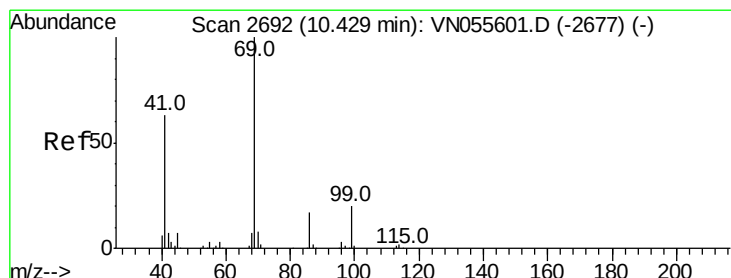
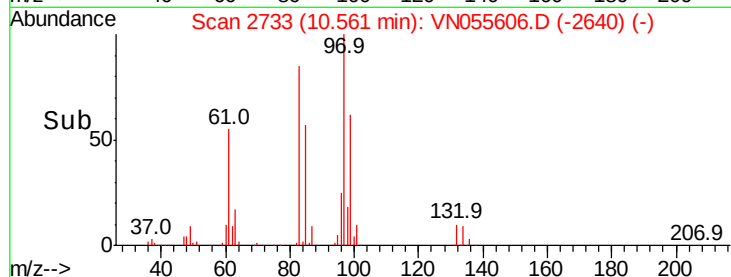
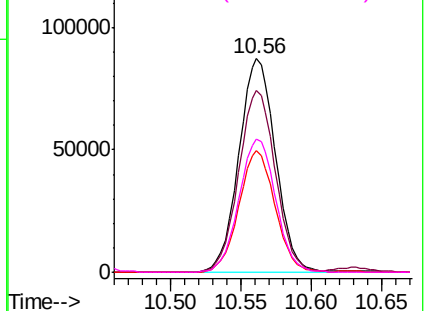


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.249 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

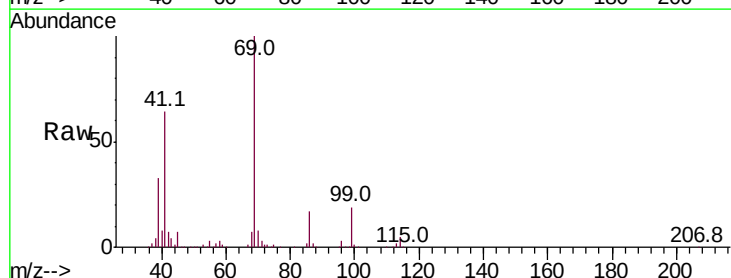
Tgt Ion: 69 Resp: 251052

Ion Ratio Lower Upper

69 100

41 62.7 50.3 75.5

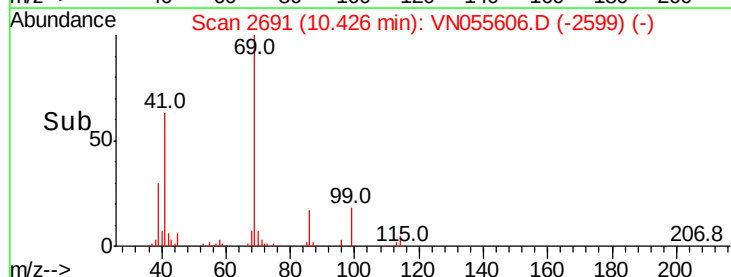
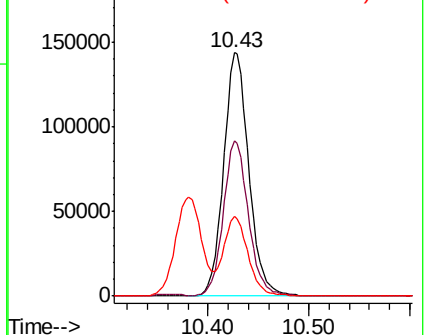
39 31.4 25.4 38.2

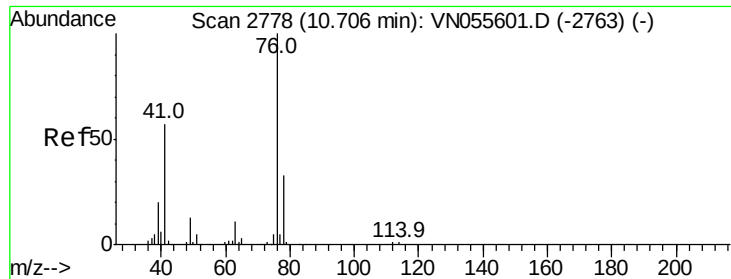


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





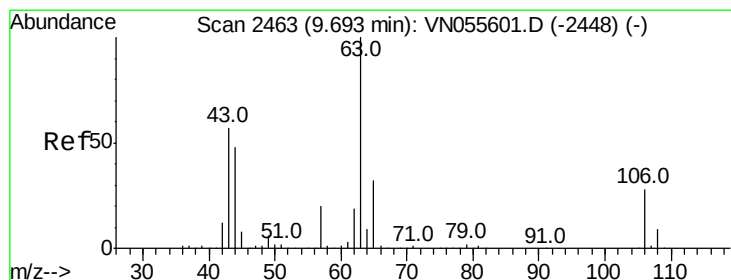
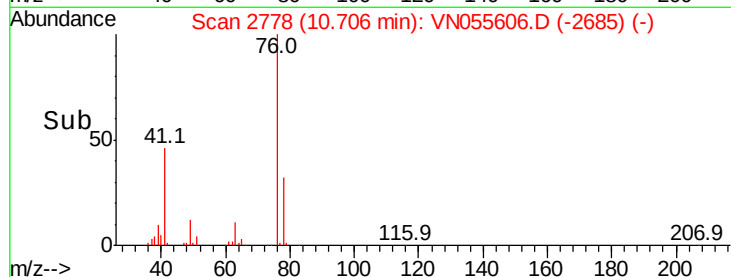
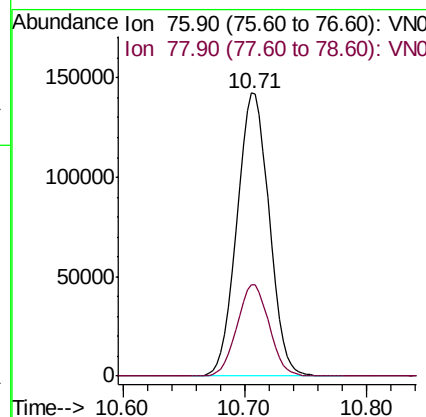
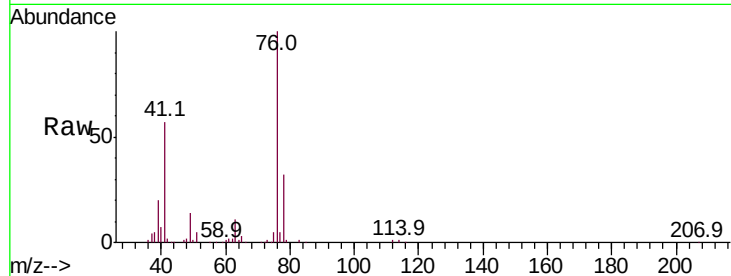
#57
 1,3-Dichloropropane
 Concen: 48.357 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.5	39.7

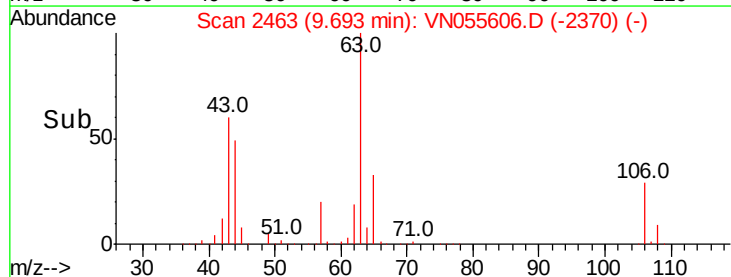
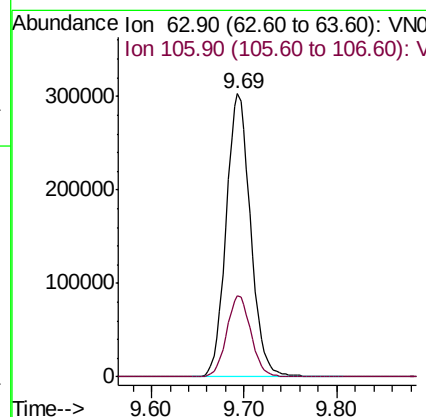
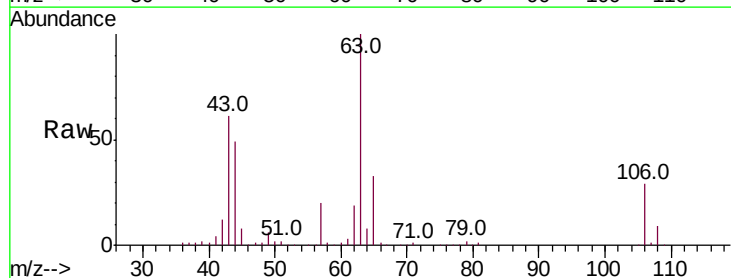
Manual Integrations
 APPROVED

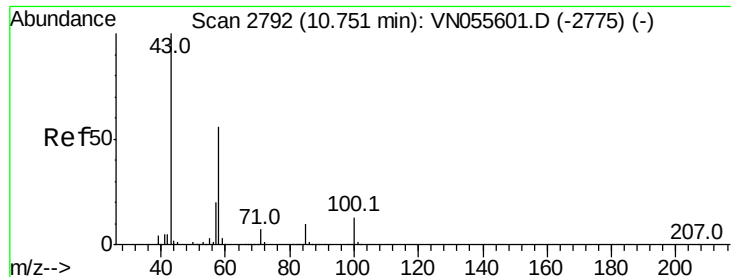
MMDadoda
 5/20/2019 9:08:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.179 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6





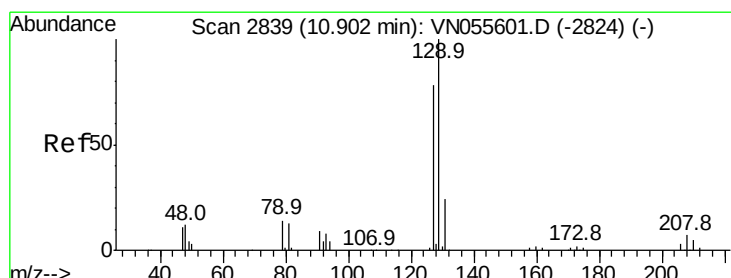
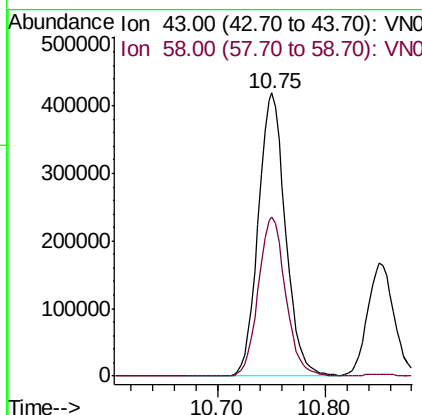
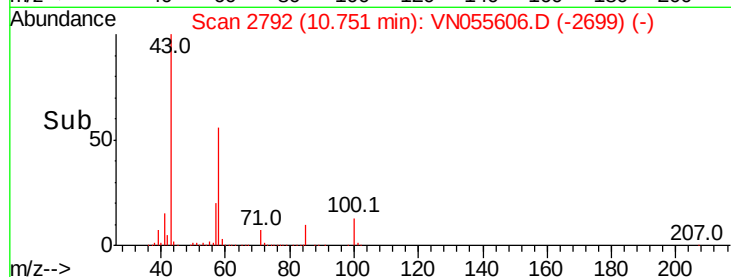
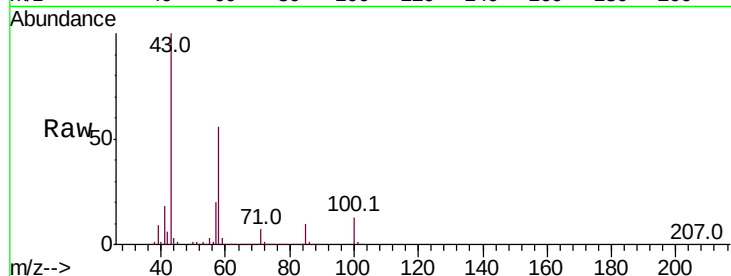
#59
2-Hexanone
Concen: 250.950 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 729072
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.4

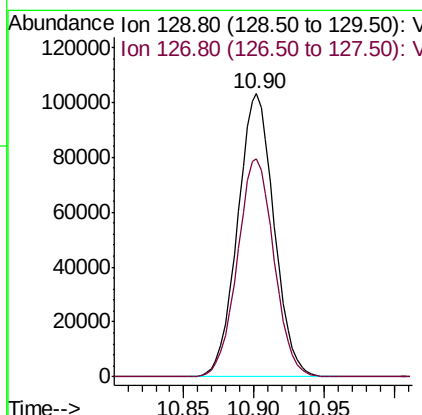
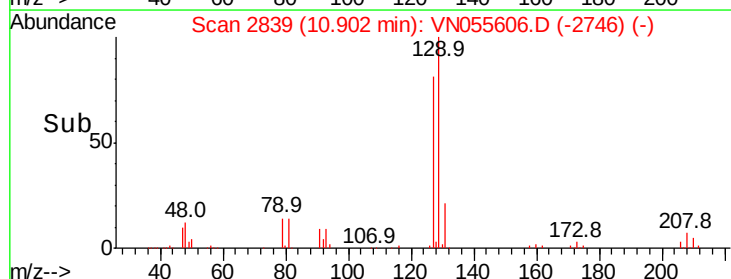
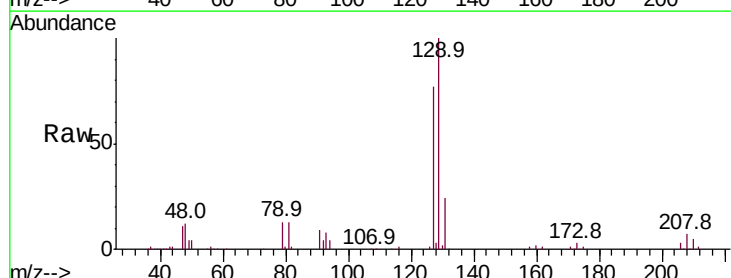
Manual Integrations
APPROVED

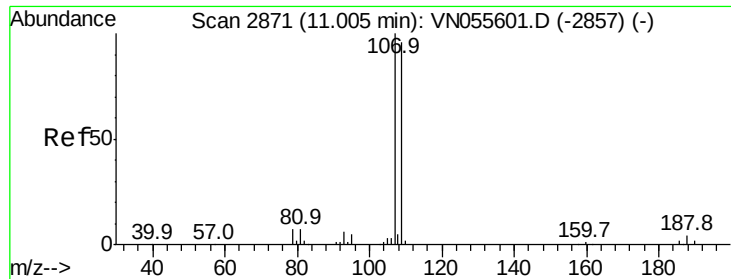
MMDadoda
5/20/2019 9:08:45 AM



#60
Dibromochloromethane
Concen: 48.323 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 129 Resp: 186417
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





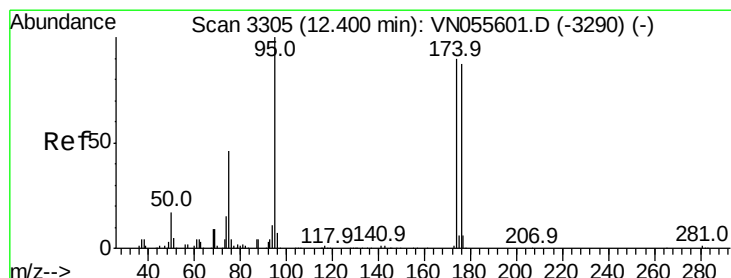
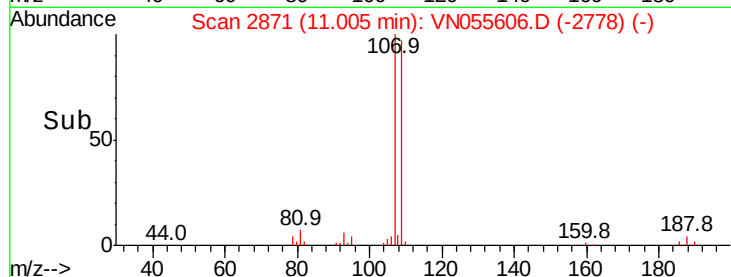
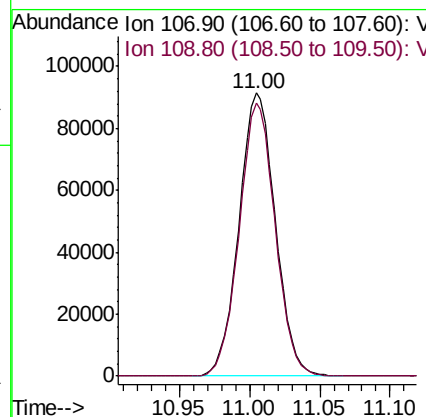
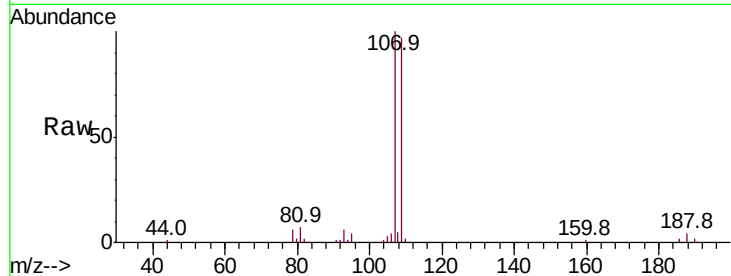
#61
 1,2-Dibromoethane
 Concen: 48.360 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

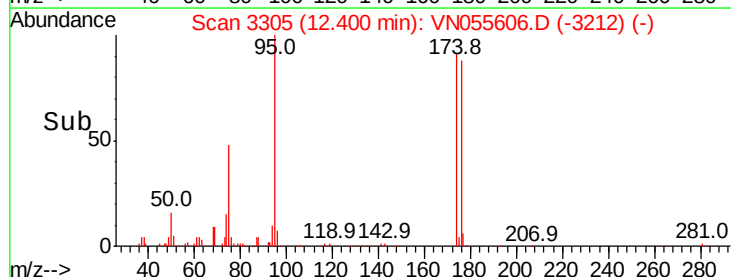
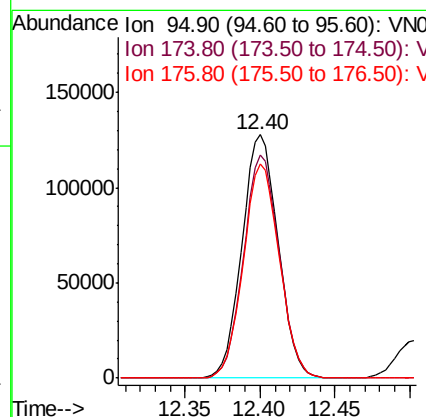
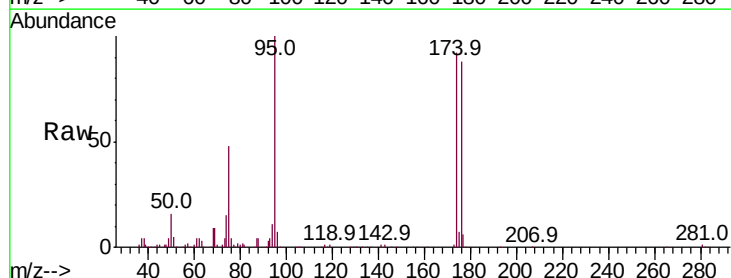
Manual Integrations
 APPROVED

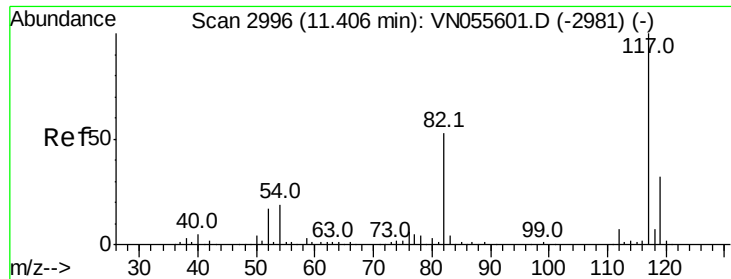
MMDadoda
 5/20/2019 9:08:45 AM



#62
 4-Bromofluorobenzene
 Concen: 51.532 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.6
176	87.8	0.0	177.4





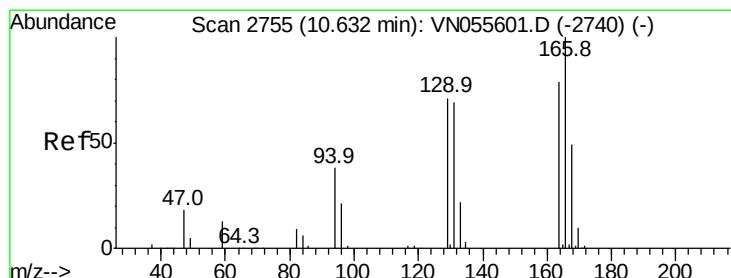
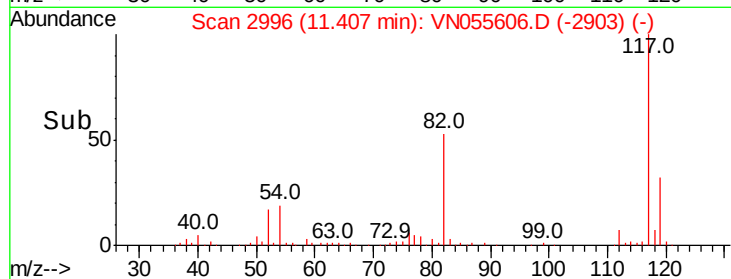
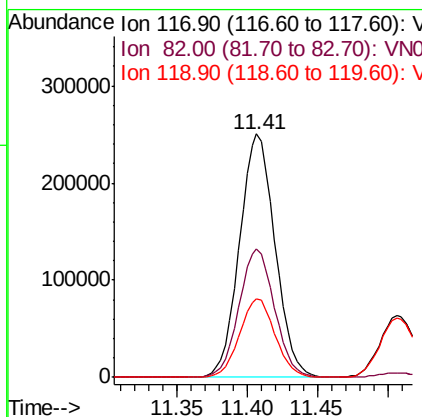
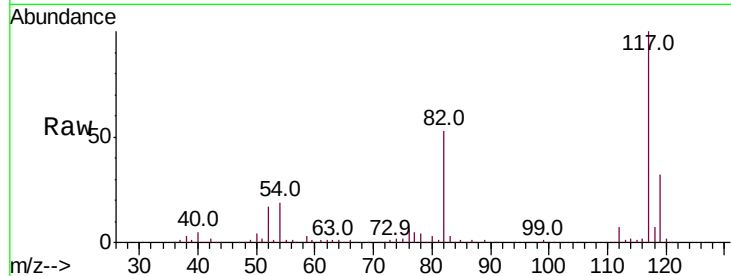
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.3	63.5
119	32.3	25.4	38.2

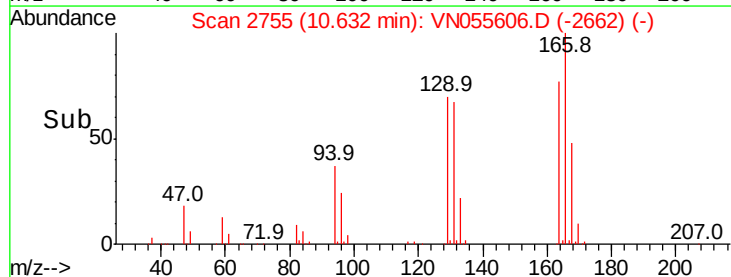
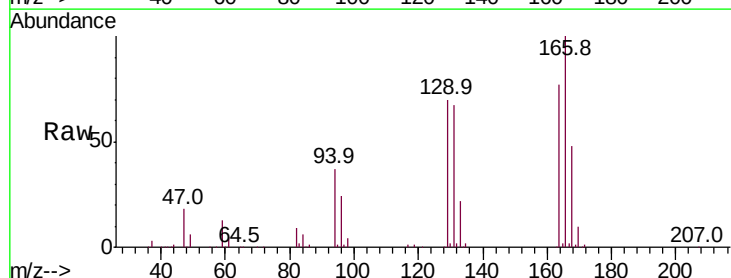
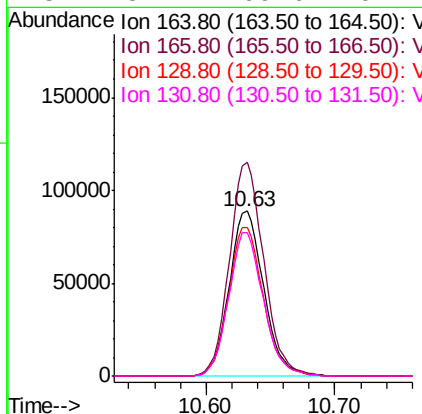
Manual Integrations
APPROVED

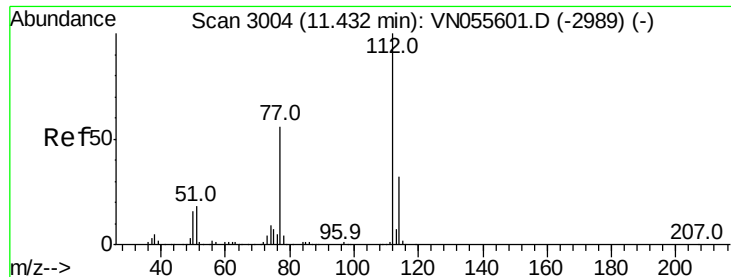
MMDadoda
5/20/2019 9:08:45 AM



#64
Tetrachloroethene
Concen: 47.310 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.0	151.6
129	90.4	71.7	107.5
131	87.1	69.6	104.4





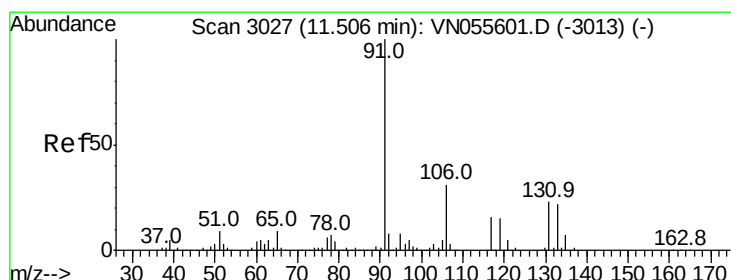
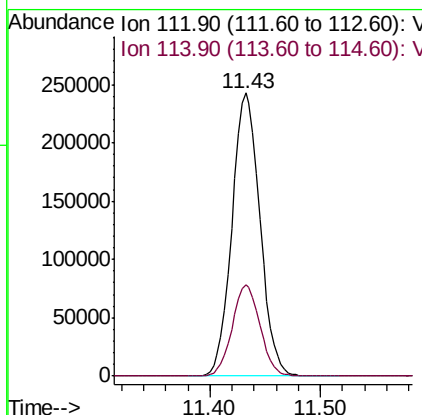
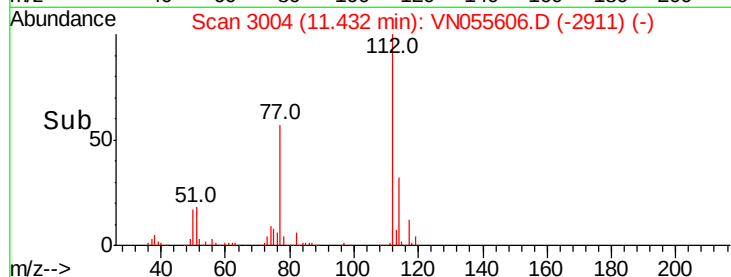
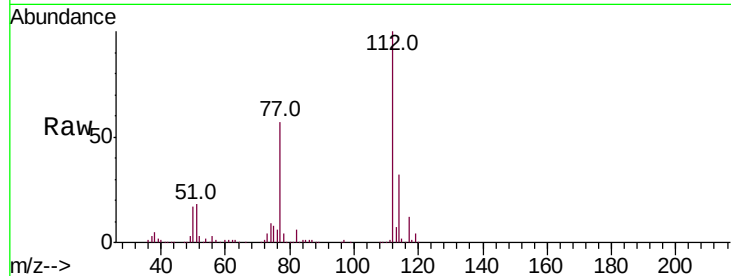
#65
Chlorobenzene
Concen: 47.635 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 426805
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

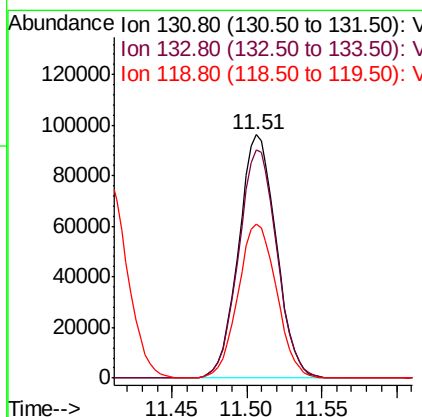
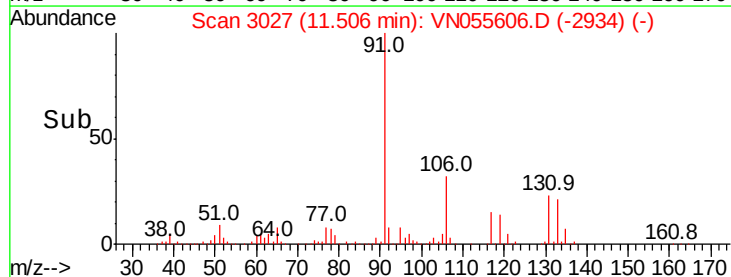
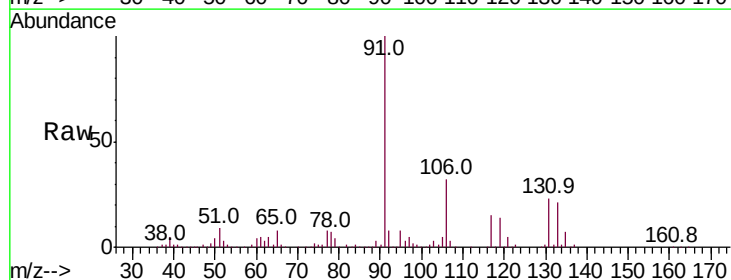
Manual Integrations
APPROVED

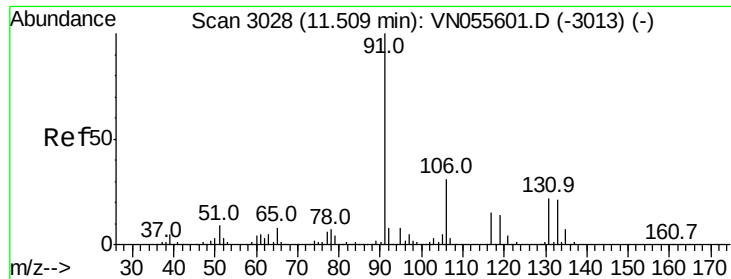
MMDadoda
5/20/2019 9:08:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.758 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:131 Resp: 168540
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.4
119 64.8 33.3 99.8





#67

Ethyl Benzene

Concen: 47.730 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 761832

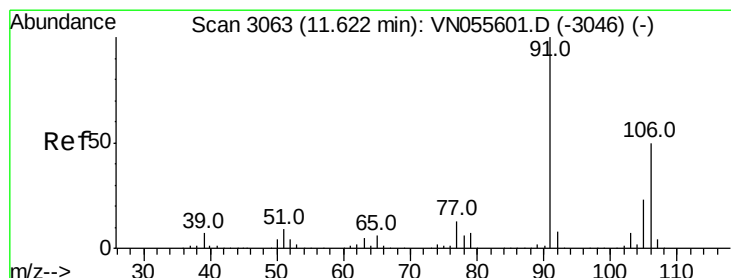
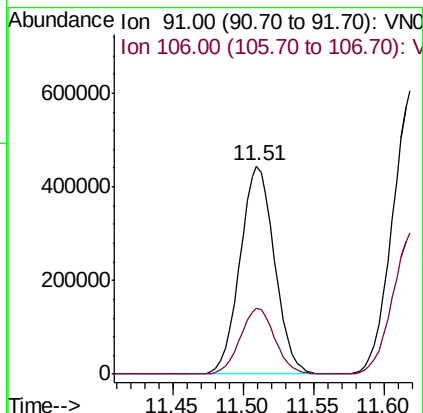
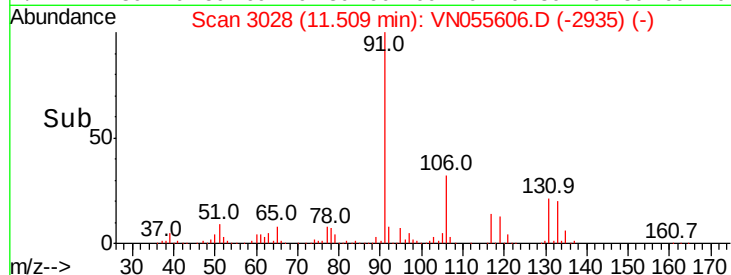
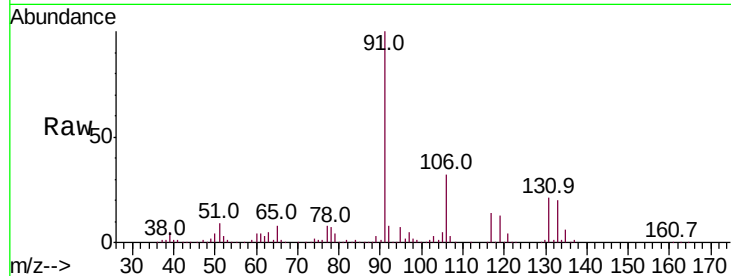
Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 96.886 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055606.D

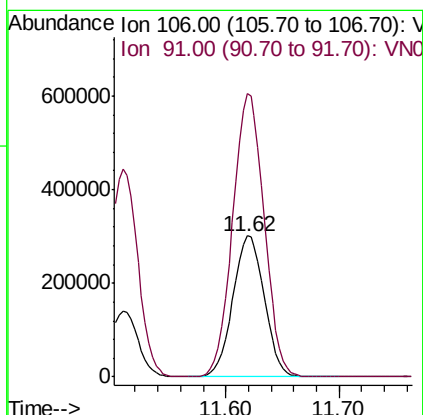
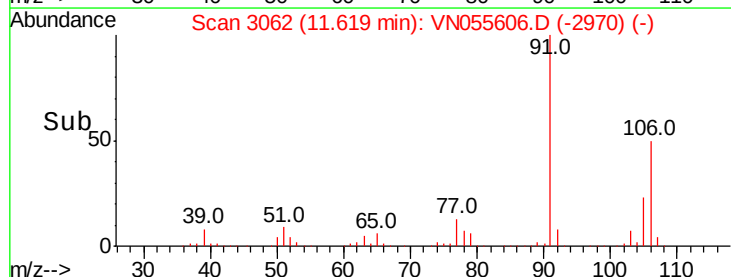
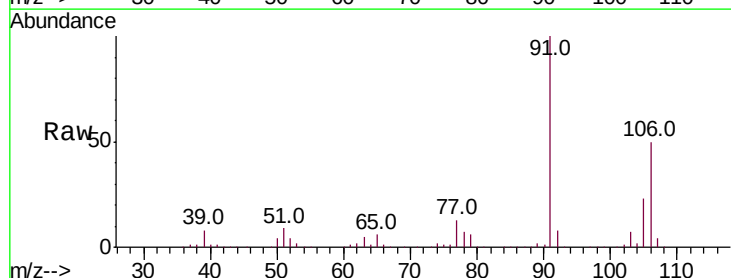
Acq: 17 May 2019 13:06

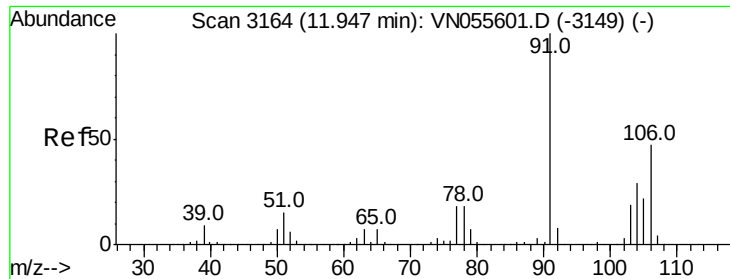
Tgt Ion: 106 Resp: 583988

Ion Ratio Lower Upper

106 100

91 200.0 160.5 240.7





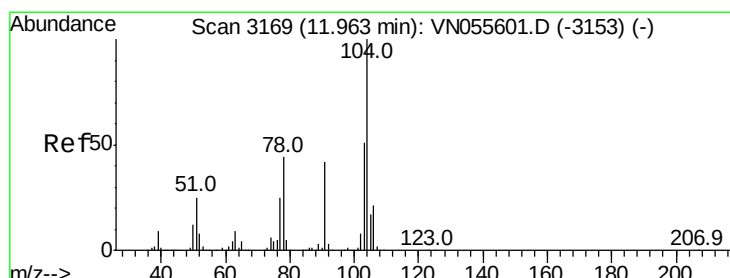
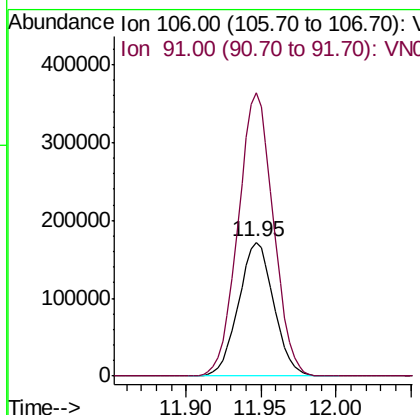
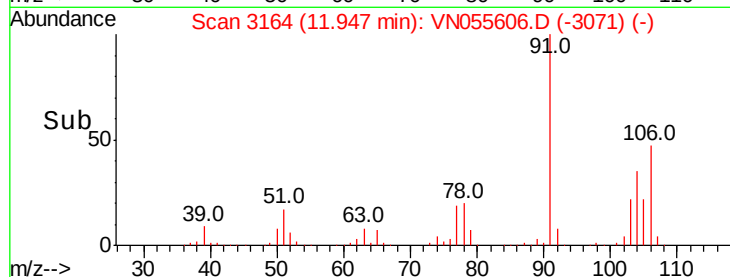
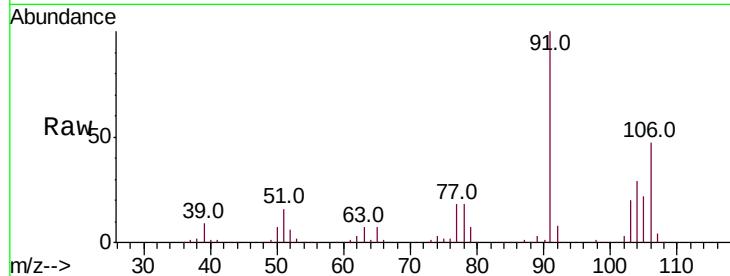
#69
o-Xylene
Concen: 47.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 281945
Ion Ratio Lower Upper
106 100
91 211.1 106.7 320.2

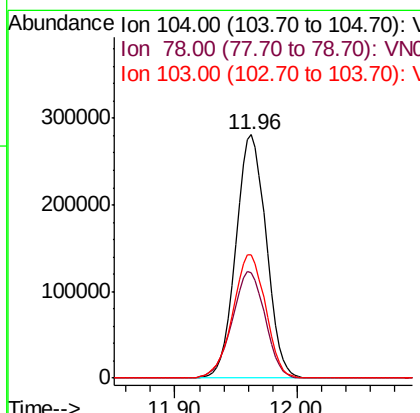
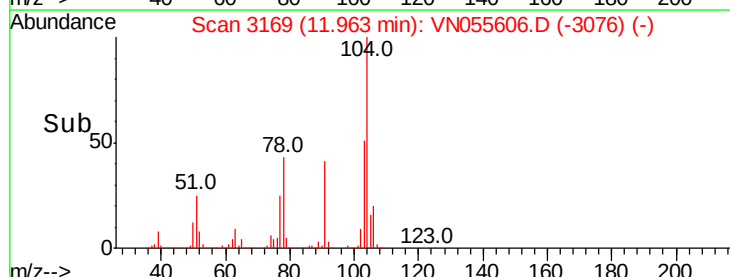
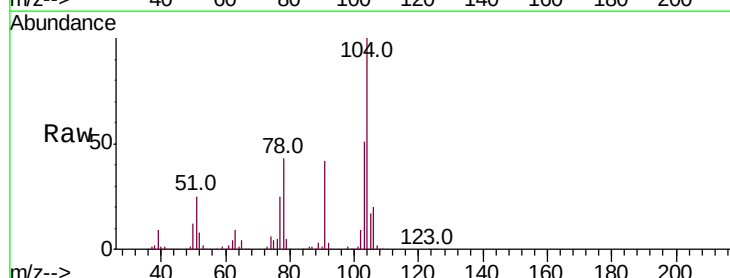
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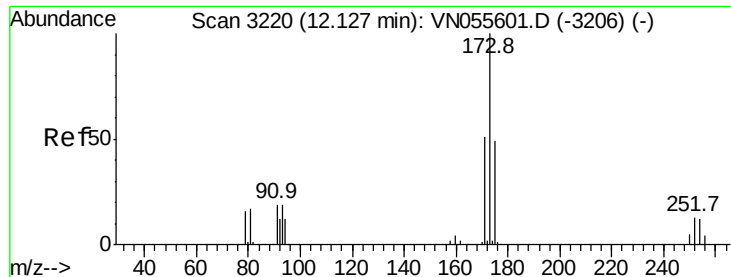
MMDadoda
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#70
Styrene
Concen: 49.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:104 Resp: 482663
Ion Ratio Lower Upper
104 100
78 47.7 38.6 58.0
103 54.7 44.4 66.6





#71

Bromoform

Concen: 48.539 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 148268

Ion Ratio Lower Upper

173 100

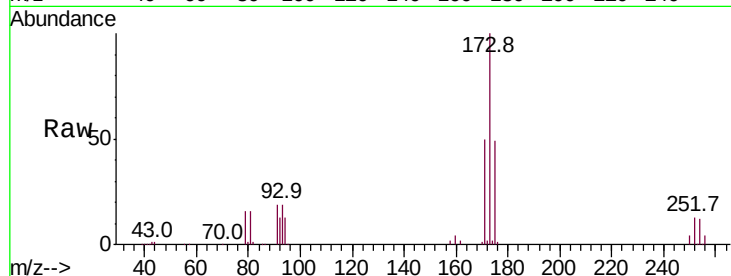
175 48.9 24.3 72.9

254 0.1 0.1 0.1#

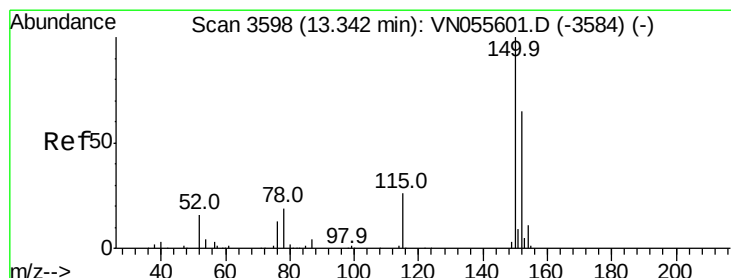
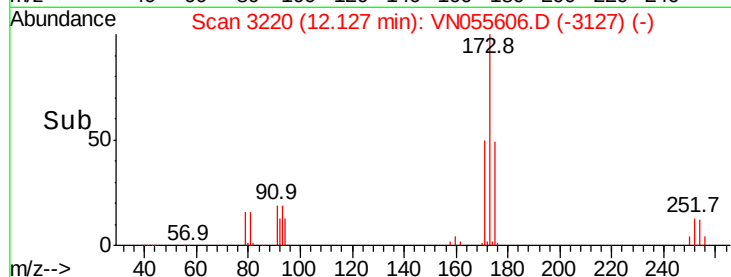
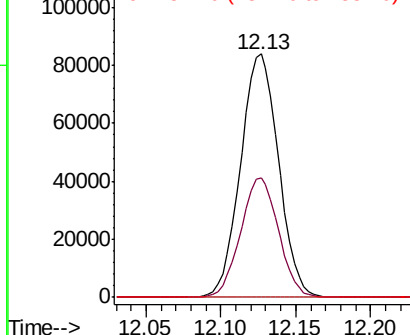
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

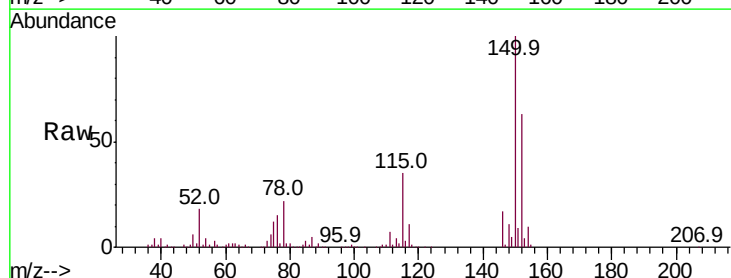
Tgt Ion:152 Resp: 210845

Ion Ratio Lower Upper

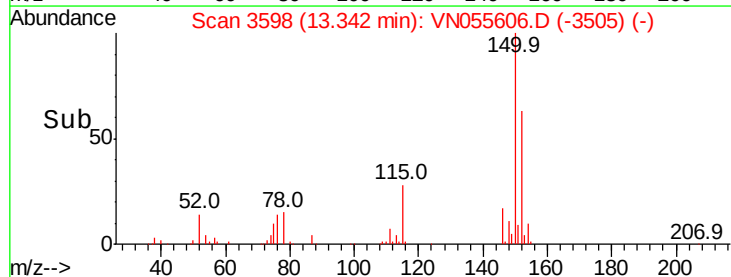
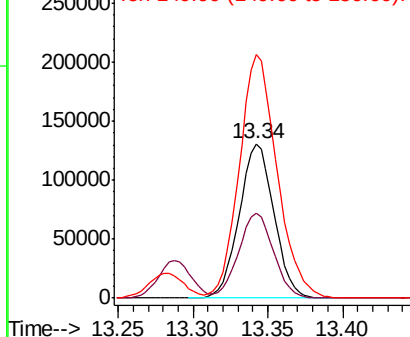
152 100

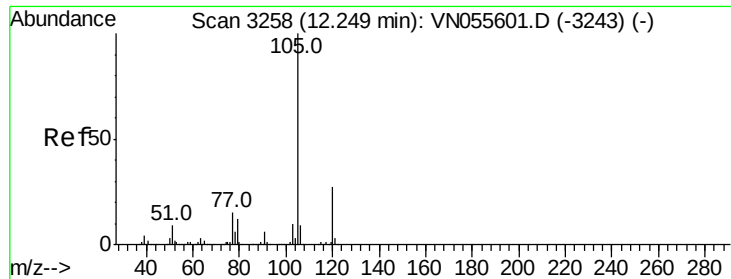
115 55.3 28.1 84.2

150 171.9 0.0 348.0



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: 50.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 745955

Ion Ratio Lower Upper

105 100

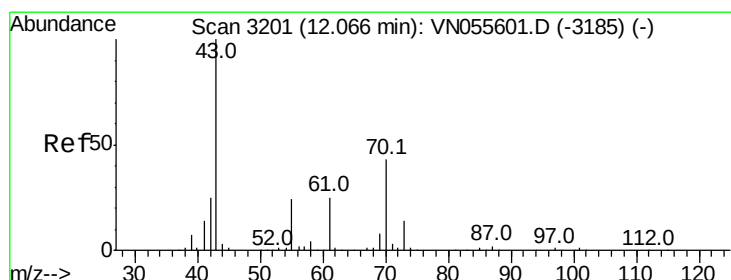
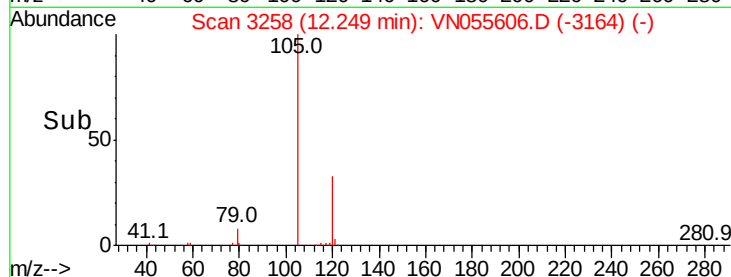
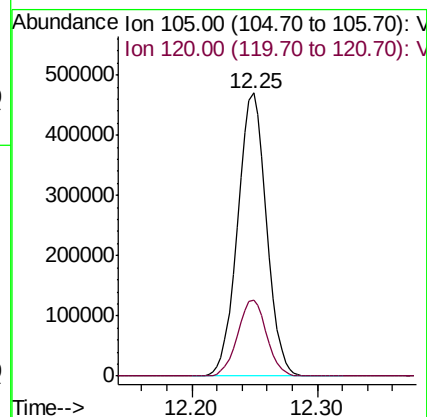
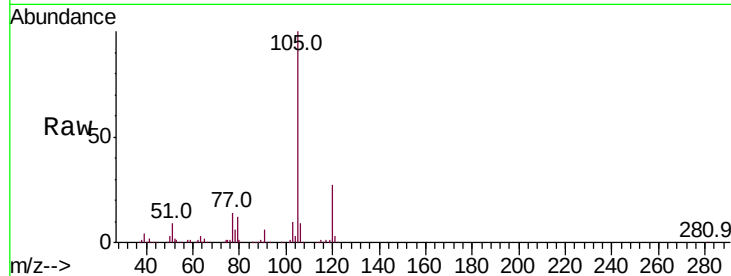
120 27.1 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.930 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion: 43 Resp: 283769

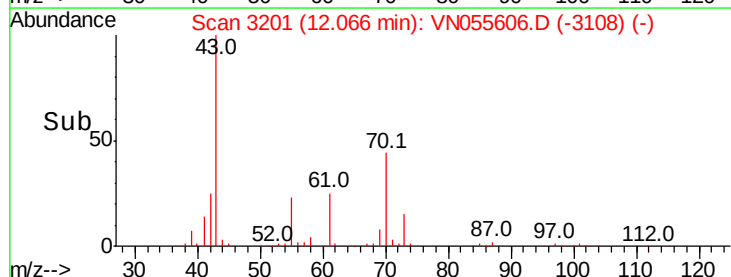
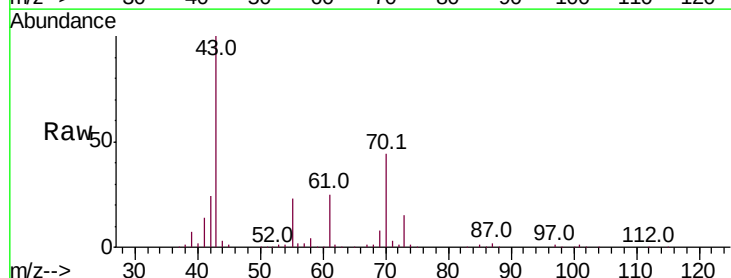
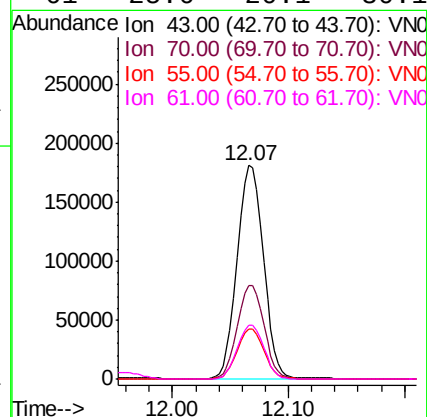
Ion Ratio Lower Upper

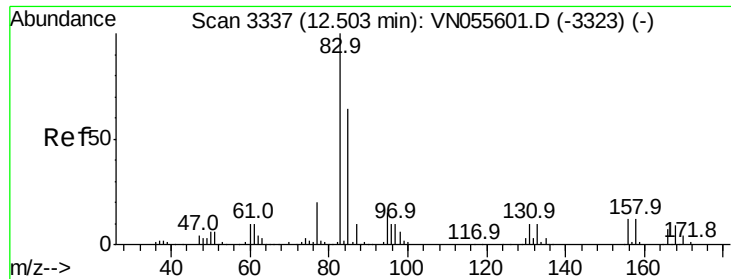
43 100

70 44.3 35.0 52.6

55 23.6 18.9 28.3

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.515 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

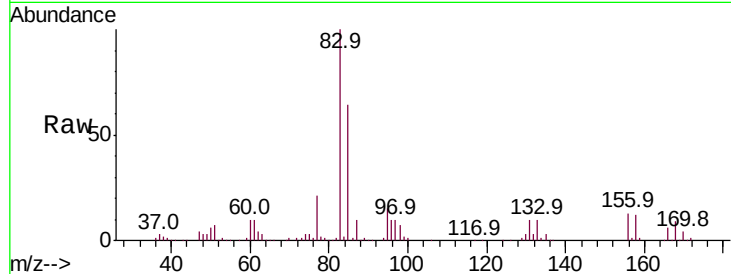
ClientSampleId :

VSTDCCC050

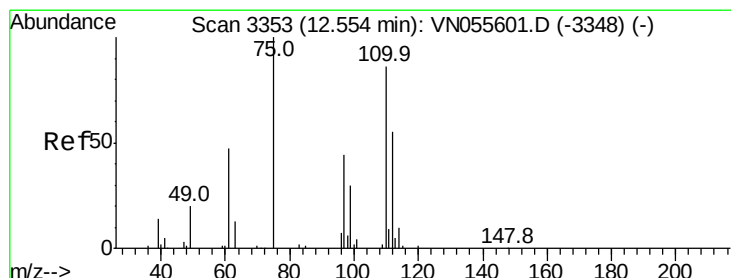
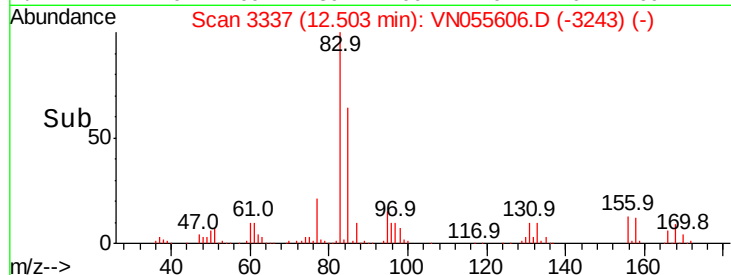
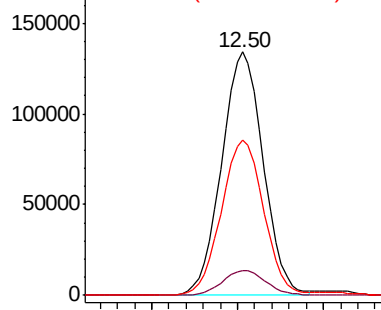
Tot Ion:	83	Resp:	224957
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.9	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055606.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 42.036 ug/l m

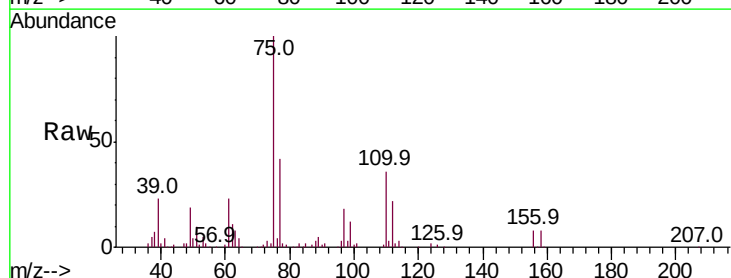
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

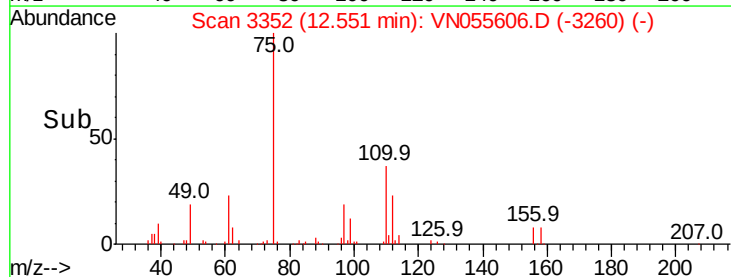
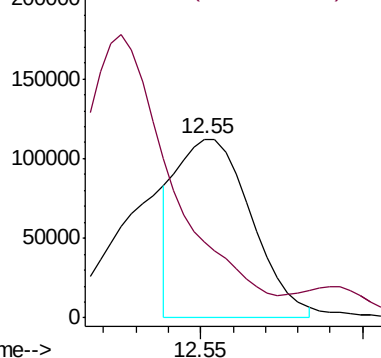
Lab File: VN055606.D

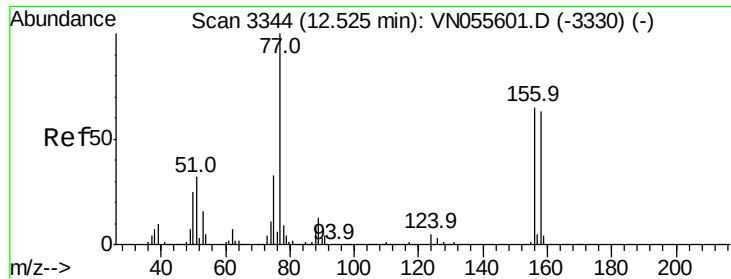
Acq: 17 May 2019 13:06

Tgt Ion:	75	Resp:	180855
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055606.D (-3353) (-)





#77

Bromobenzene

Concen: 44.926 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

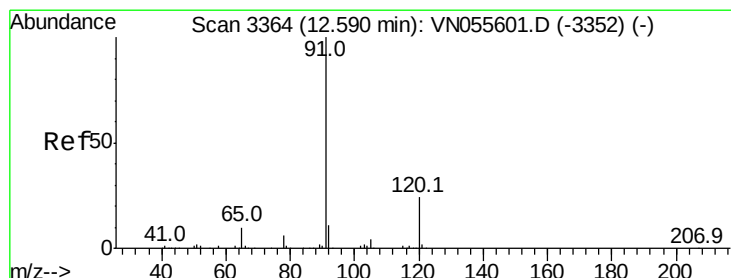
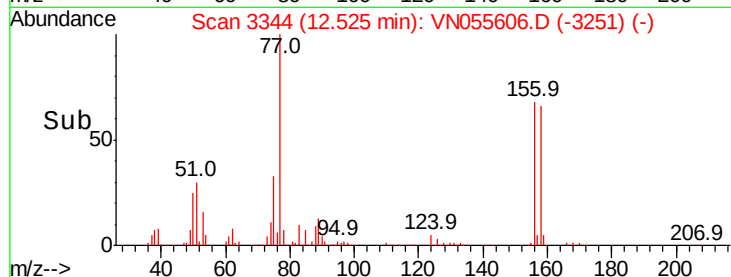
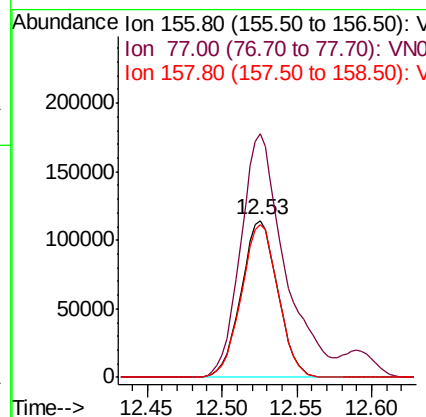
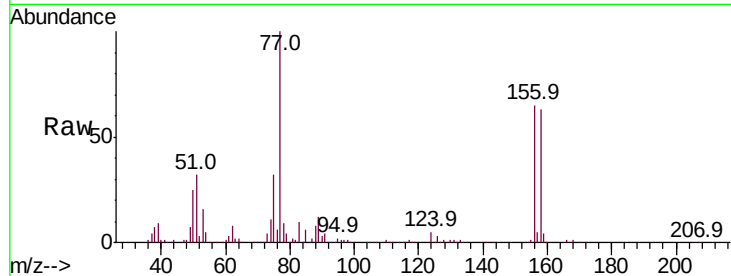
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	194535
Ion Ratio	Lower	Upper	
156	100		
77	186.4	94.5	283.5
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 45.511 ug/l

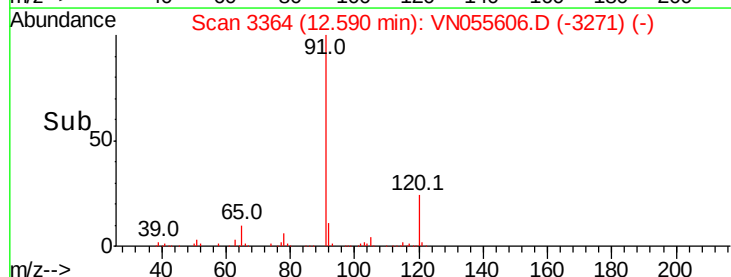
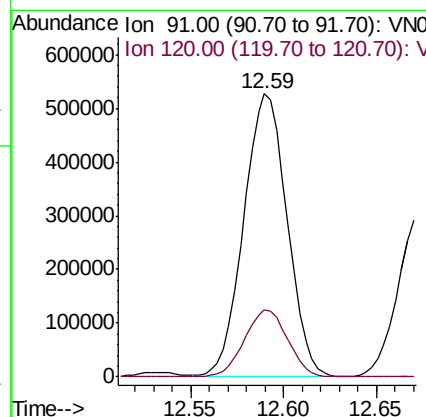
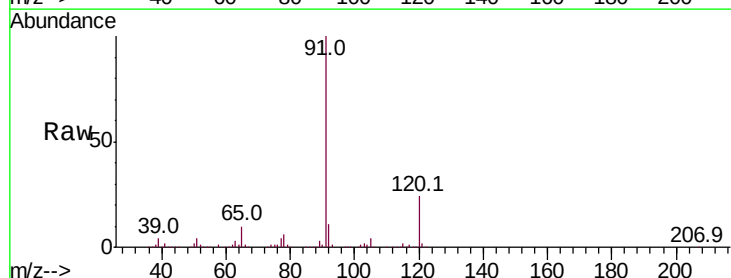
RT: 12.59 min Scan# 3364

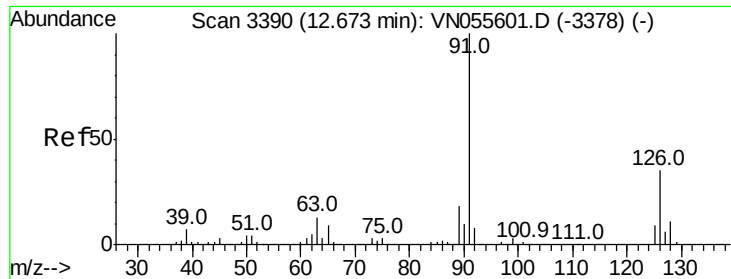
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion:	91	Resp:	852131
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





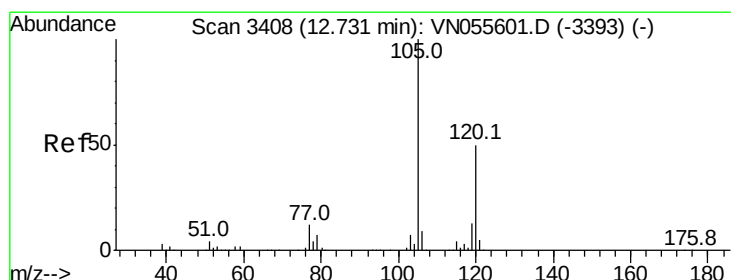
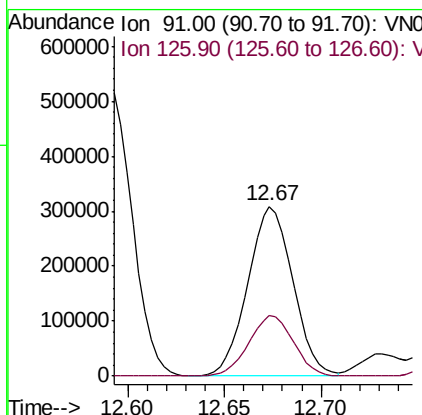
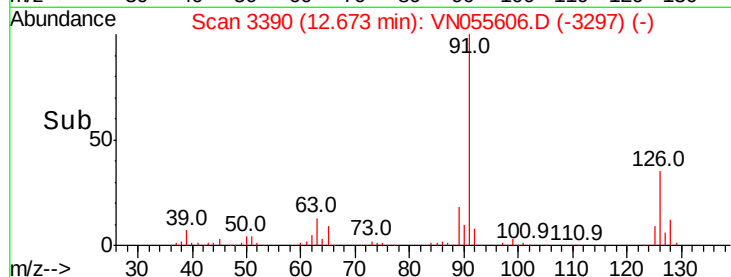
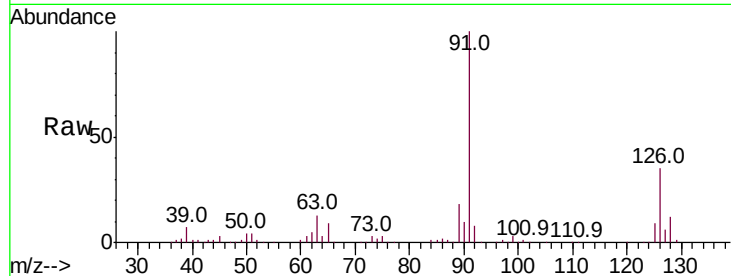
#79
 2-Chlorotoluene
 Concen: 50.048 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 501496
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.8 53.4

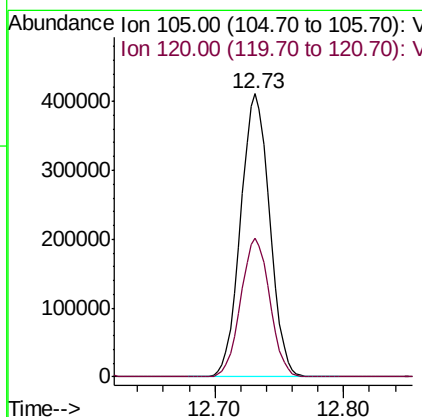
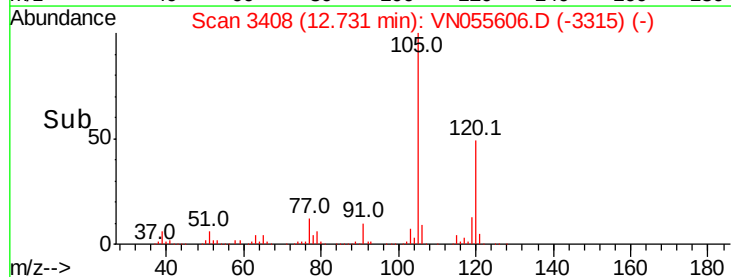
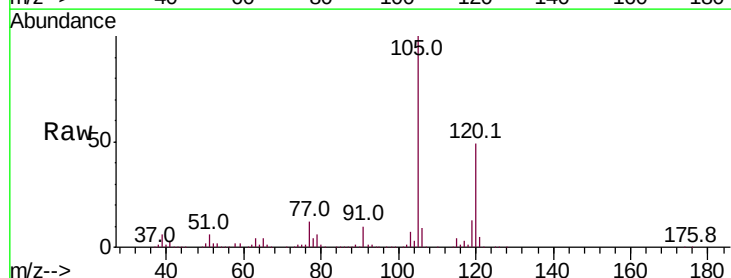
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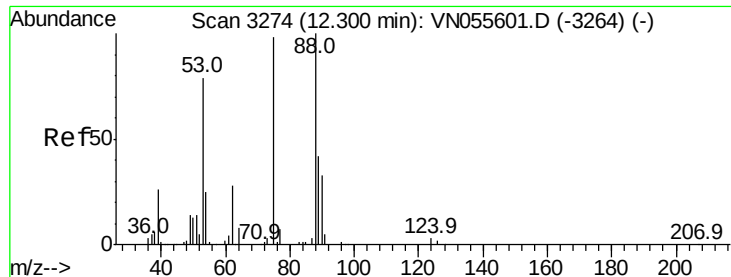
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.959 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 105 Resp: 643617
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.922 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

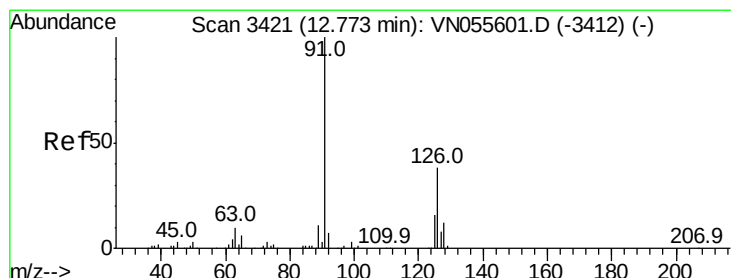
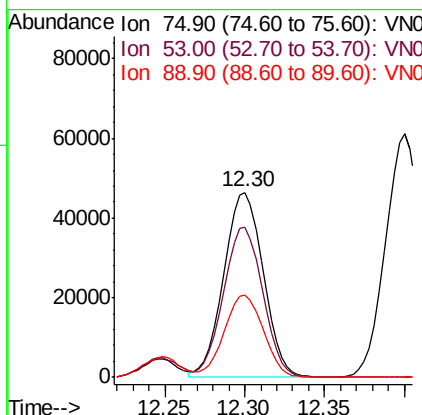
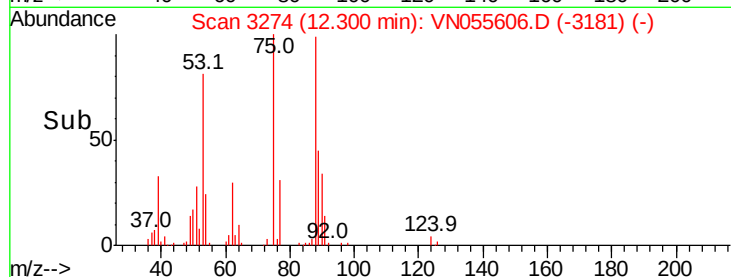
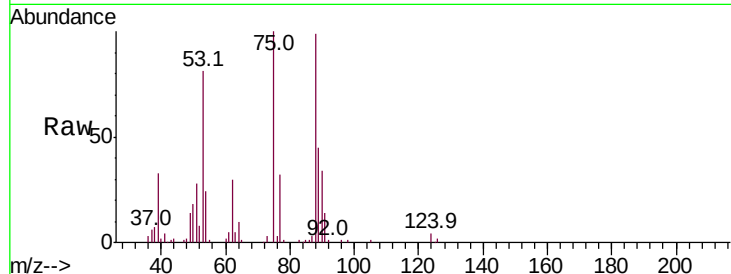
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	78533
Ion	Ratio	Lower	Upper
75	100		
53	81.0	65.1	97.7
89	44.0	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.957 ug/l

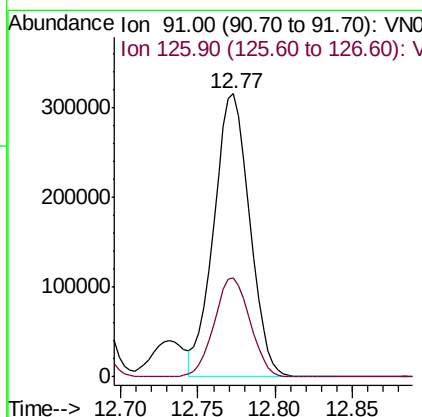
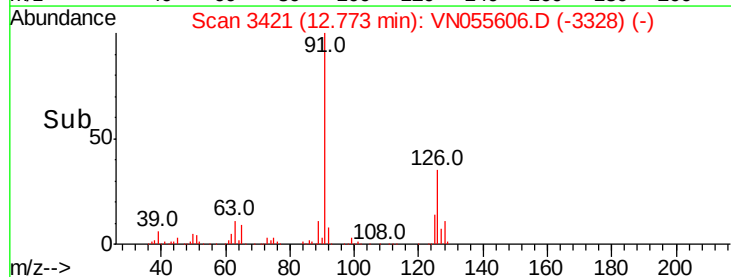
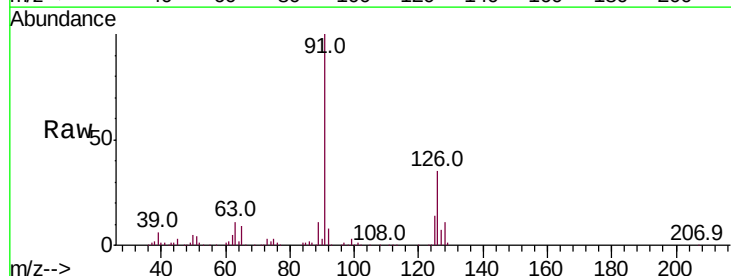
RT: 12.77 min Scan# 3421

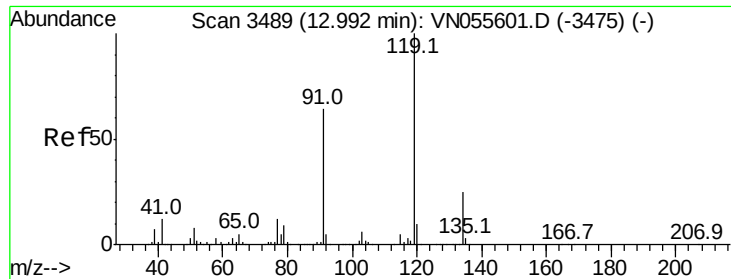
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion:	91	Resp:	507000
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6





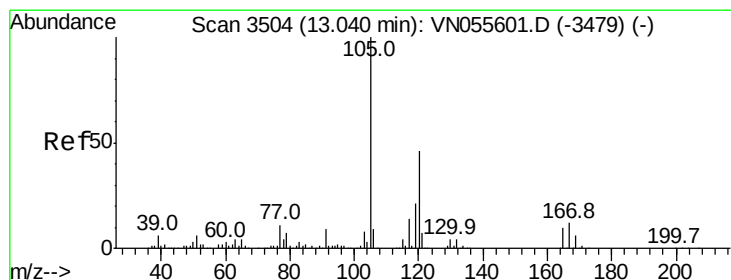
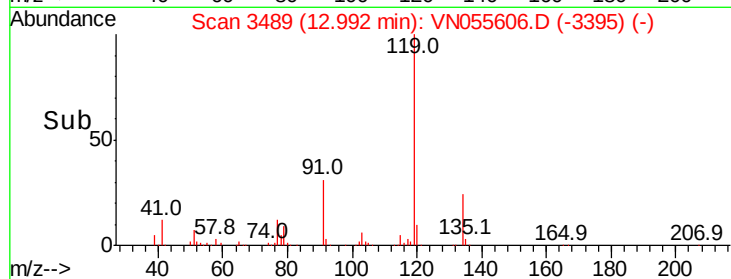
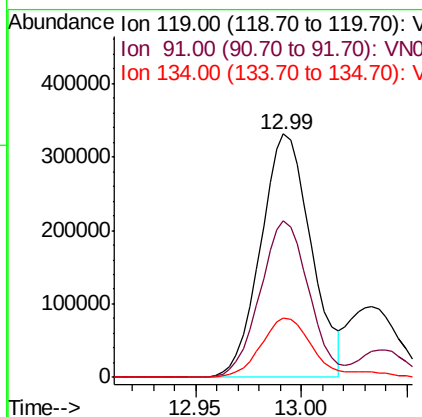
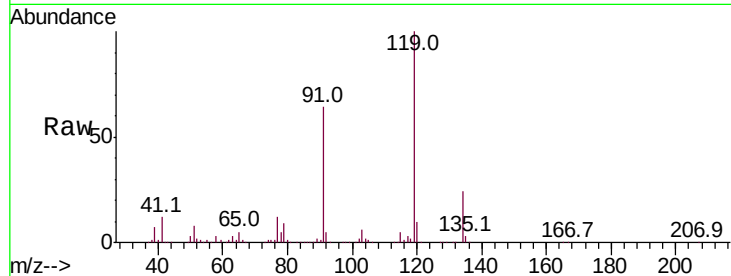
#83
 tert-Butylbenzene
 Concen: 51.304 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.3	93.8
134	26.0	13.2	39.6

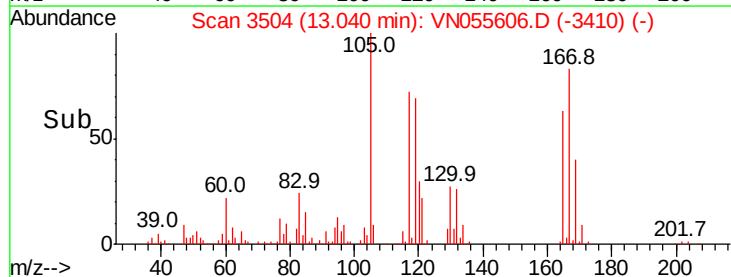
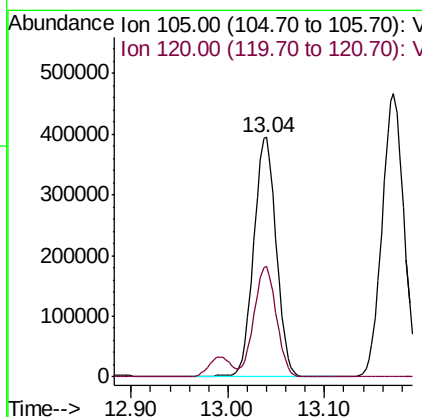
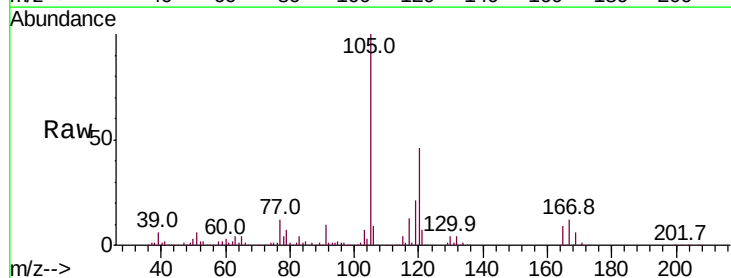
Manual Integrations
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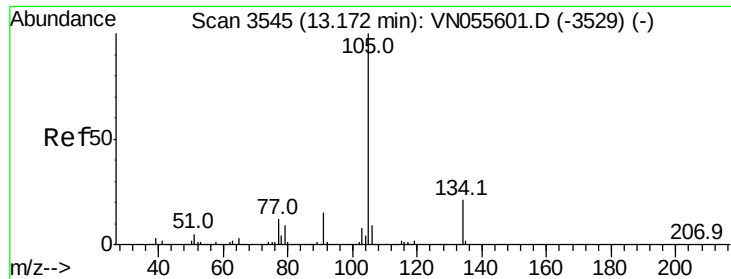
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.673 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.882 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 730200

Ion Ratio Lower Upper

105 100

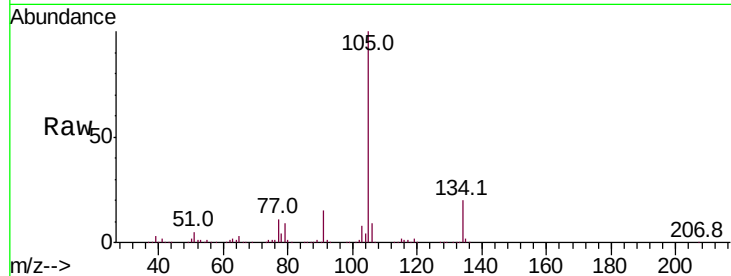
134 20.4 10.3 30.9

Manual Integrations

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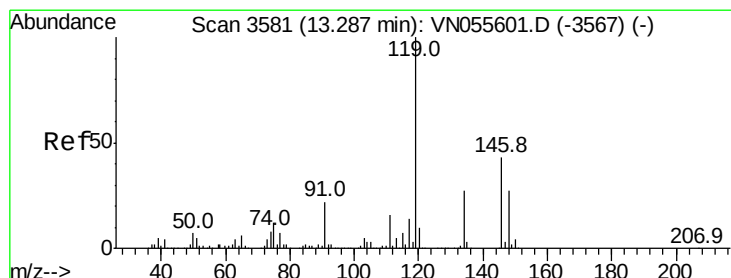
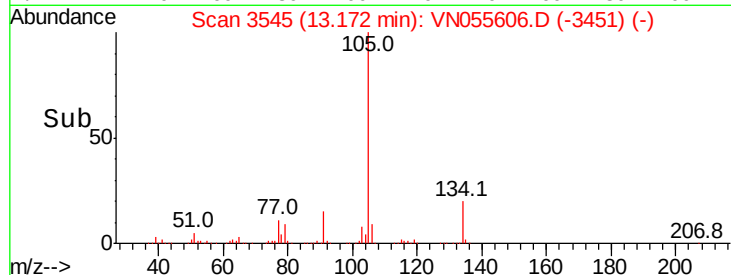
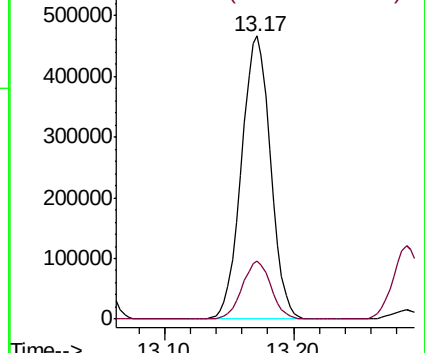
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.593 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

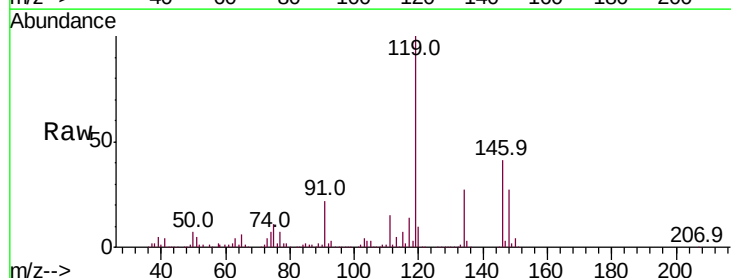
Tgt Ion:119 Resp: 676383

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

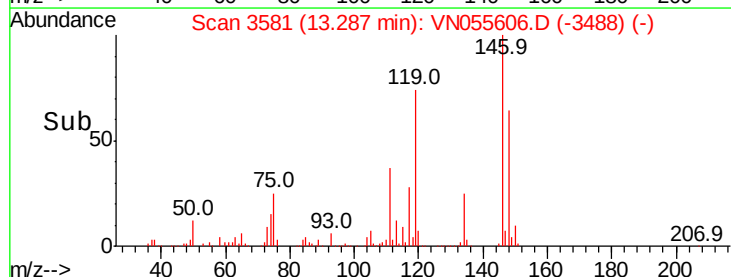
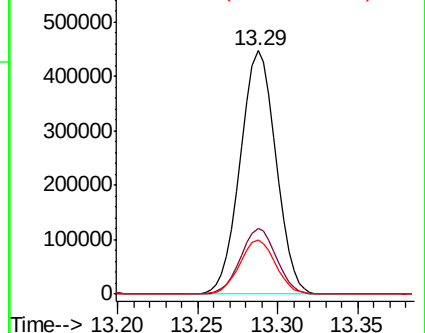
91 22.2 11.0 33.0

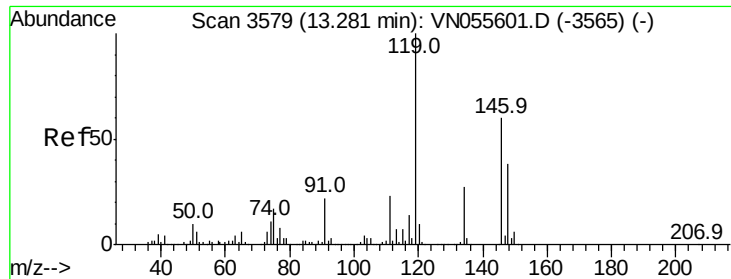


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





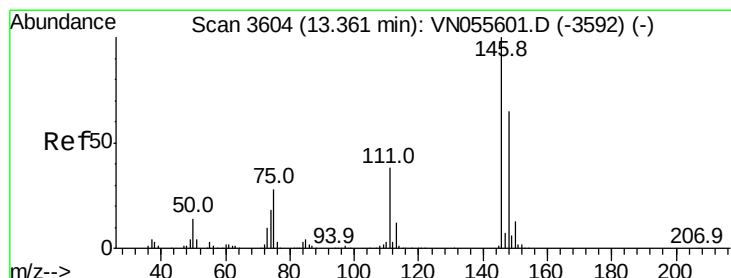
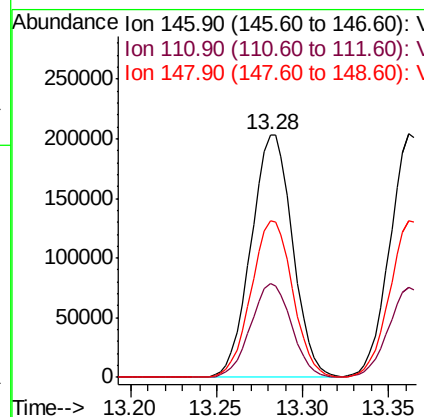
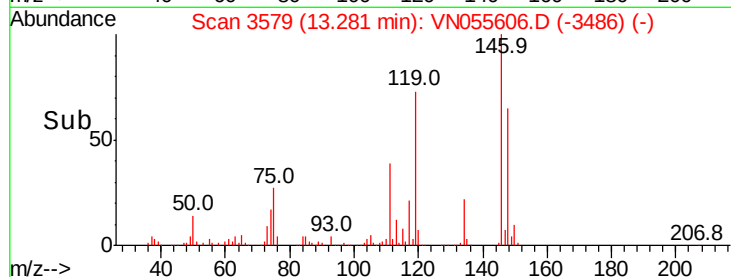
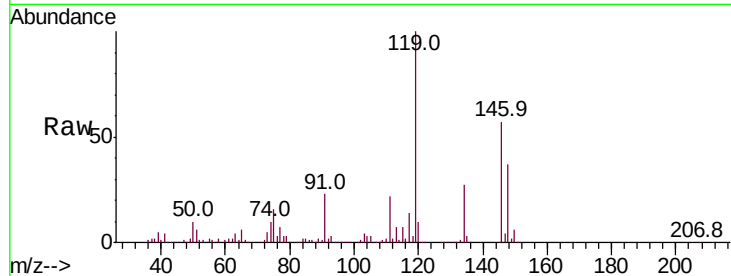
#87
 1,3-Dichlorobenzene
 Concen: 47.488 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.4	31.9	95.9

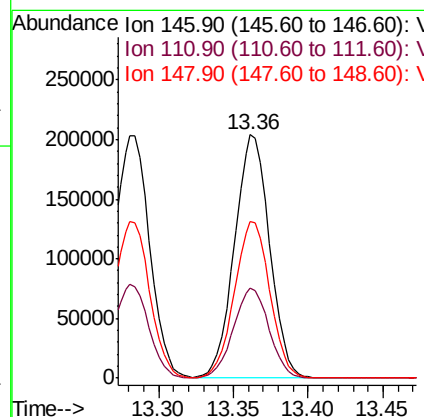
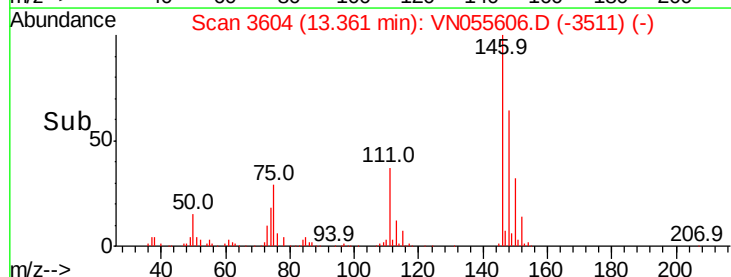
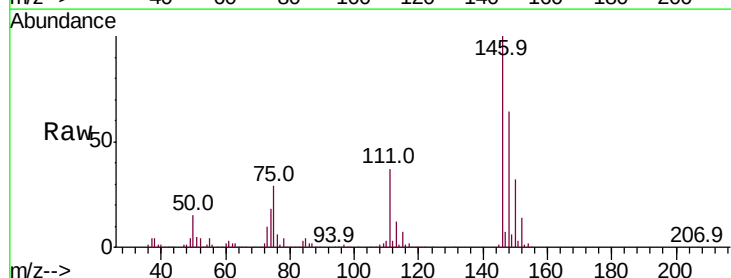
Manual Integrations
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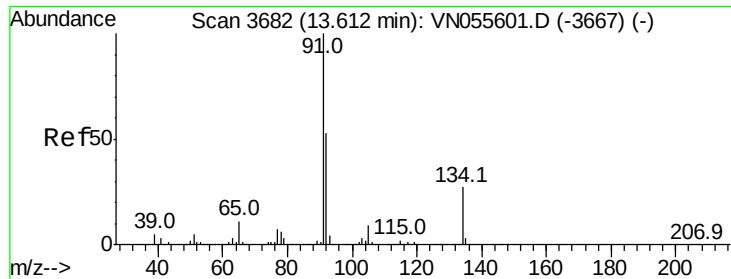
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#88
 1,4-Dichlorobenzene
 Concen: 48.734 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	65.0	32.4	97.0





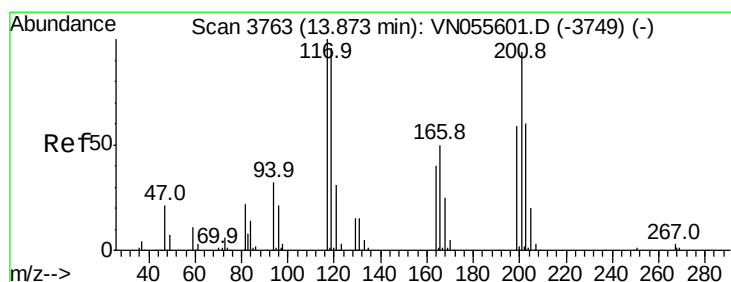
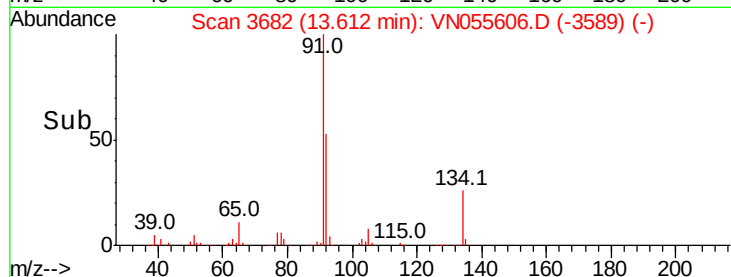
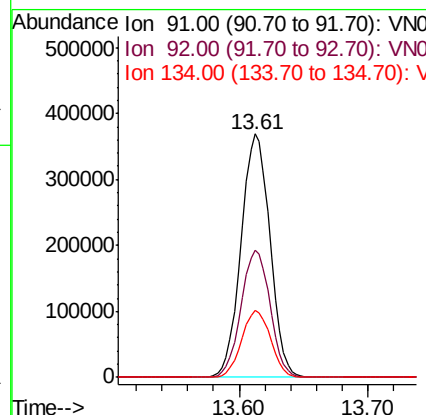
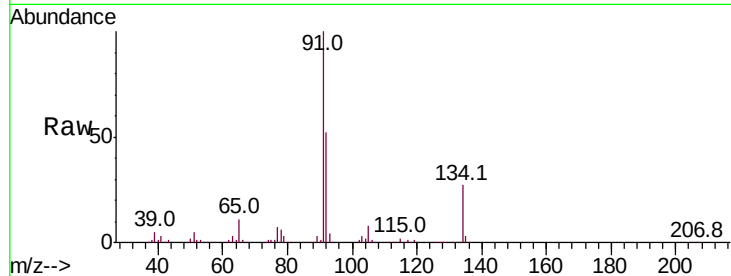
#89
n-Butylbenzene
Concen: 49.601 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.5	13.7	41.1

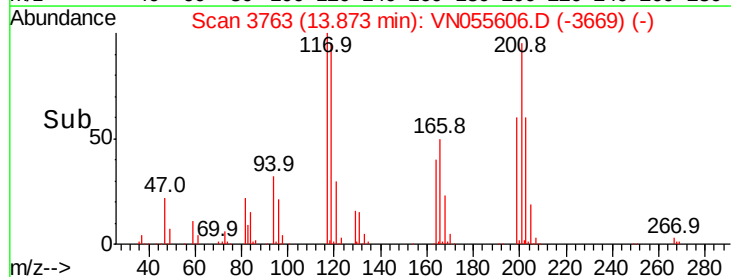
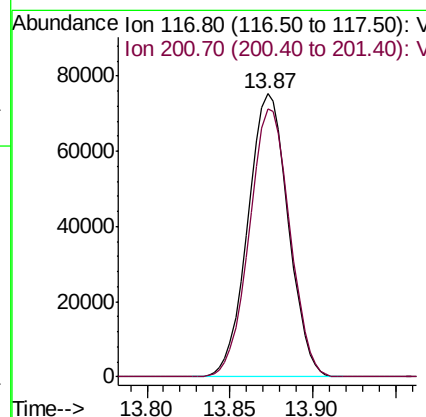
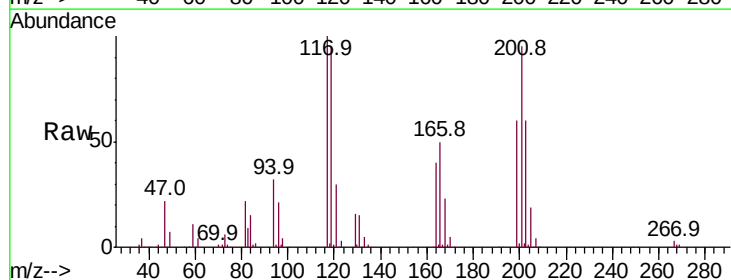
Manual Integrations
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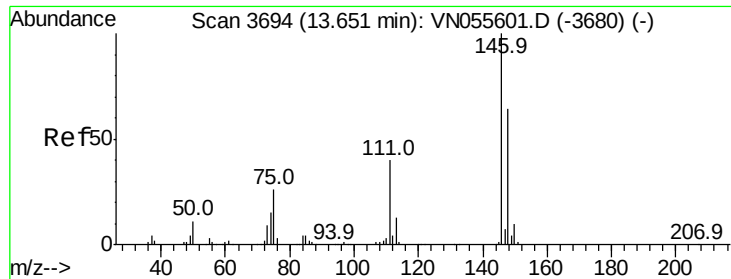
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#90
Hexachloroethane
Concen: 50.936 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	47.1	141.3





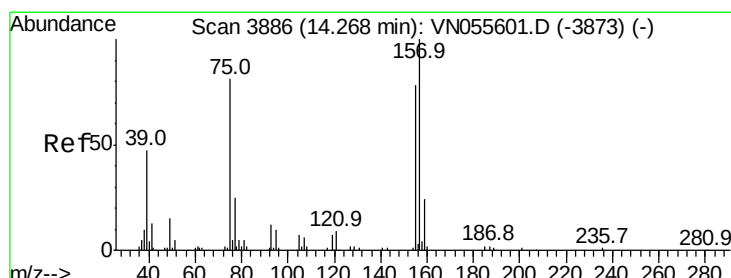
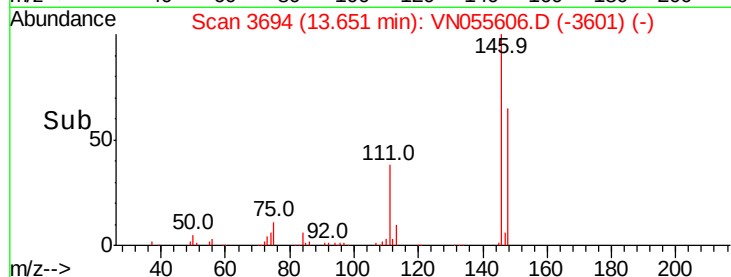
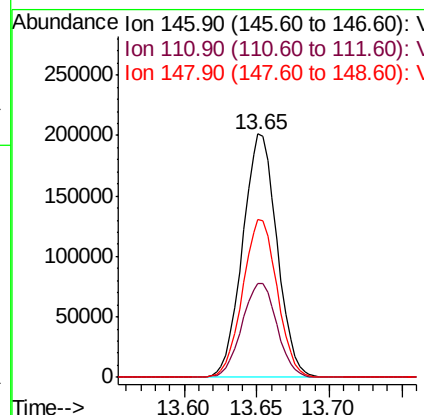
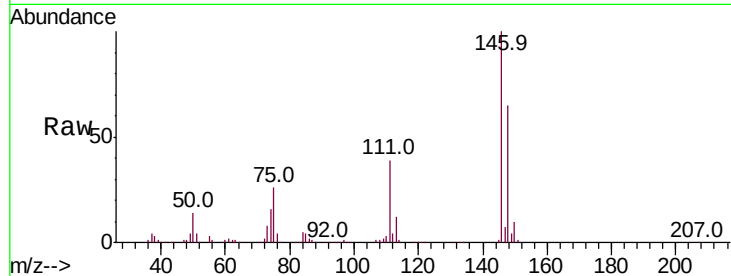
#91
 1,2-Dichlorobenzene
 Concen: 46.490 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.0	32.1	96.3

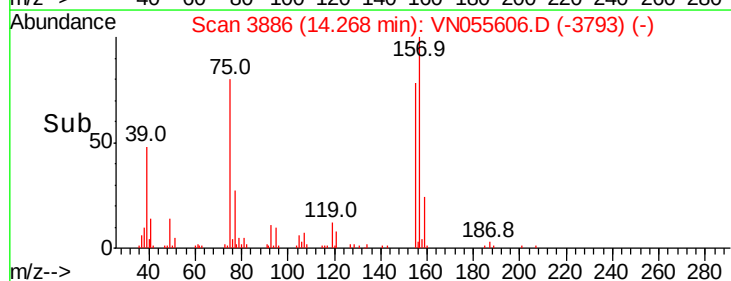
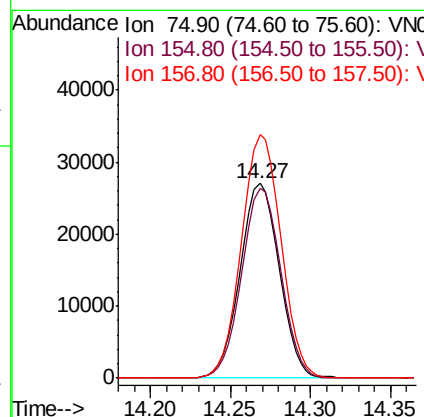
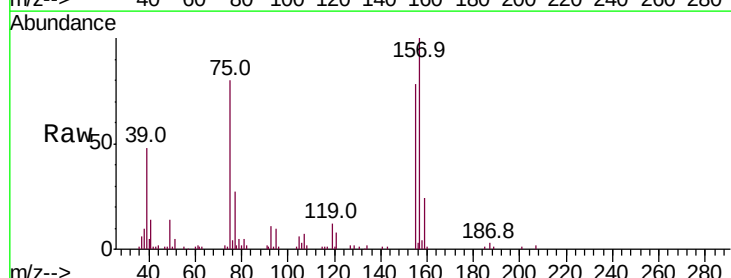
Manual Integrations
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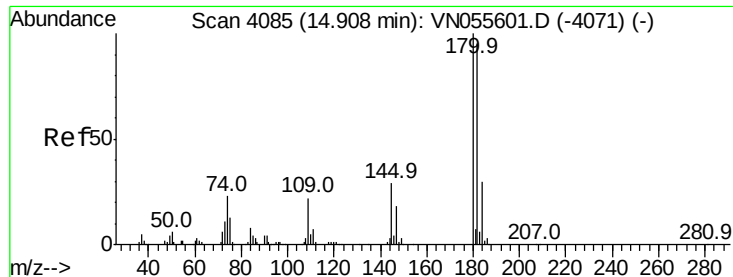
MMDadoda
 5/20/2019 9:08:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.182 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	48.4	145.0
157	126.2	62.3	186.8





#93

1,2,4-Trichlorobenzene

Concen: 54.477 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

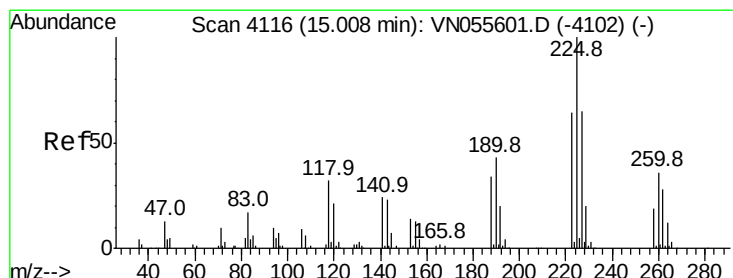
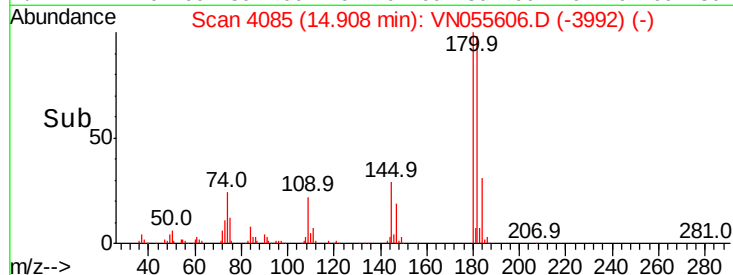
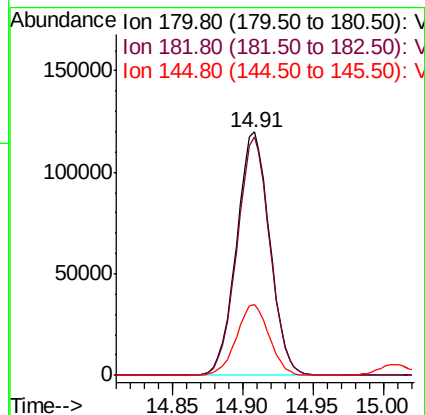
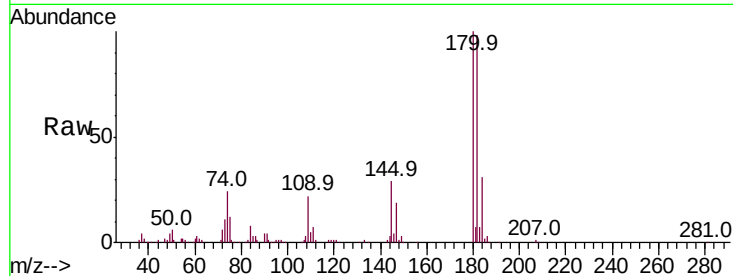
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	197910
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.6
145	28.7	14.3	42.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:08:45 AM



#94

Hexachlorobutadiene

Concen: 54.353 ug/l

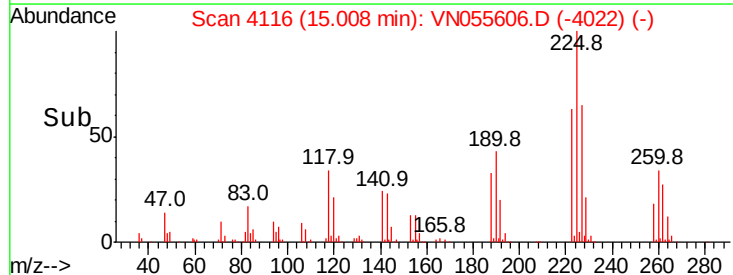
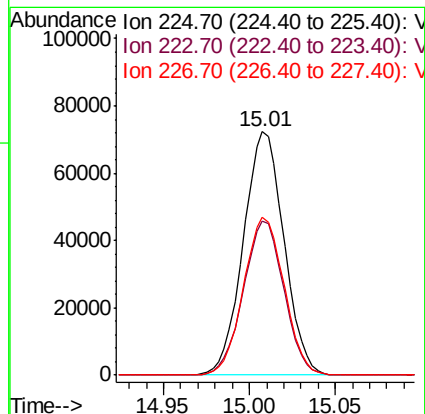
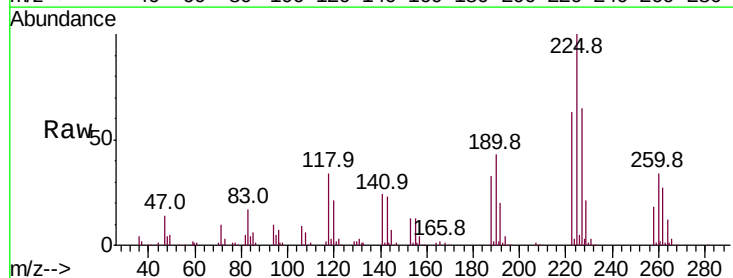
RT: 15.01 min Scan# 4116

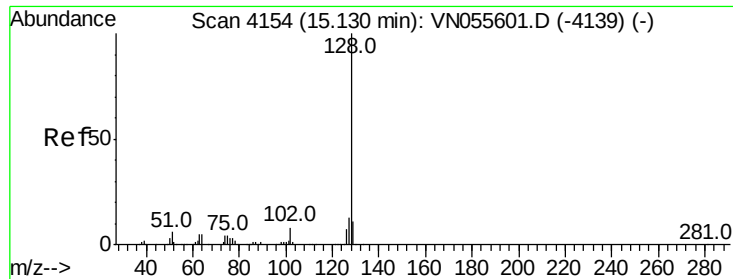
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion:	225	Resp:	118620
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.6	94.7
227	64.6	32.4	97.0





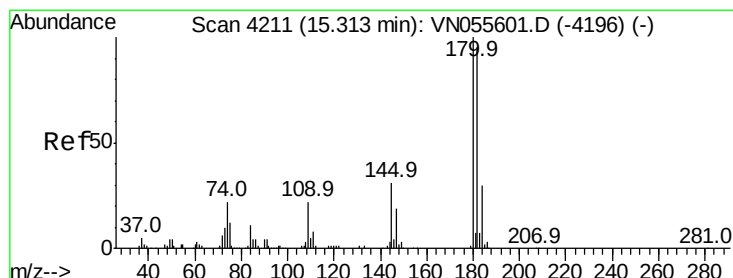
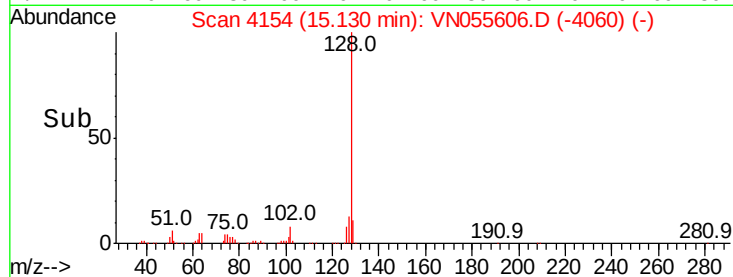
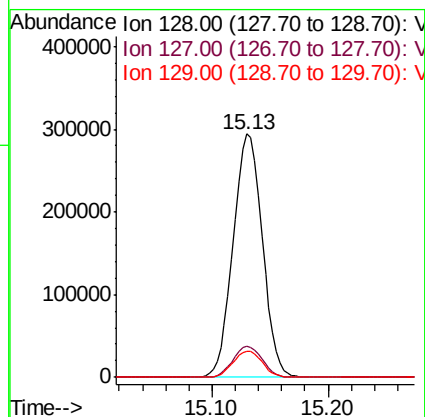
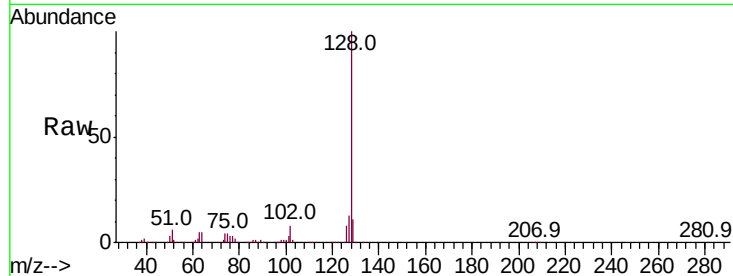
#95
Naphthalene
Concen: 46.727 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	511007		
127	12.8		10.2	15.4
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:08:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.306 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	194888		
182	96.1		47.9	143.6
145	30.2		15.4	46.1

