

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055601.D
 Acq On : 17 May 2019 10:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:10:02 AM

Quant Time: May 17 23:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	324895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	490236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	177168	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	157826	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	592410	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	206132	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116892	42.648	ug/l	100
3) Chloromethane	2.06	50	155939	45.530	ug/l	100
4) Vinyl Chloride	2.18	62	169379	45.687	ug/l	100
5) Bromomethane	2.56	94	110137	41.019	ug/l	100
6) Chloroethane	2.71	64	98584	41.597	ug/l	100
7) Trichlorofluoromethane	3.03	101	223483	42.639	ug/l	100
8) Diethyl Ether	3.41	74	92566	48.833	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	136885	42.996	ug/l	100
10) Methyl Iodide	3.96	142	205480	44.355	ug/l	100
11) Tert butyl alcohol	4.77	59	166983	552.118	ug/l	100
12) 1,1-Dichloroethene	3.74	96	141358	47.119	ug/l	100
13) Acrolein	3.61	56	81042	476.737	ug/l	100
14) Allyl chloride	4.33	41	239823	52.114	ug/l	100
15) Acrylonitrile	4.98	53	371506	333.500	ug/l	100
16) Acetone	3.81	43	357552	354.610	ug/l	100
17) Carbon Disulfide	4.06	76	393813	43.092	ug/l	100
18) Methyl Acetate	4.32	43	152585	65.364	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	479384	60.430	ug/l	100
20) Methylene Chloride	4.55	84	157996	46.493	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	152510	48.454	ug/l	100
22) Diisopropyl ether	5.95	45	460888	53.838	ug/l	100
23) Vinyl Acetate	5.89	43	2010782	315.159	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274759	47.965	ug/l	100
25) 2-Butanone	6.83	43	512520	387.511	ug/l	100
26) 2,2-Dichloropropane	6.83	77	236669	53.370	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	177271	50.074	ug/l	100
28) Bromochloromethane	7.19	49	123643	49.431	ug/l	100
29) Tetrahydrofuran	7.21	42	329459	386.619	ug/l	100
30) Chloroform	7.37	83	273141	47.467	ug/l	100
31) Cyclohexane	7.66	56	248107	41.654	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	243974	49.248	ug/l	100
36) 1,1-Dichloropropene	7.79	75	211378	47.176	ug/l	100
37) Ethyl Acetate	6.92	43	206955	75.547	ug/l	100
38) Carbon Tetrachloride	7.78	117	220266	45.772	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	253658	49.387	ug/l	100
40) Benzene	8.04	78	628909	47.776	ug/l	100
41) Methacrylonitrile	7.18	41	93167m	66.534	ug/l	
42) 1,2-Dichloroethane	8.12	62	207005	51.600	ug/l	100
43) Isopropyl Acetate	8.16	43	337152	65.046	ug/l	100
44) Trichloroethene	8.84	130	178273	48.314	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166369	49.221	ug/l	100
46) Dibromomethane	9.21	93	109390	52.998	ug/l	100
47) Bromodichloromethane	9.40	83	225792	52.121	ug/l	100
48) Methyl methacrylate	9.20	41	158804	71.170	ug/l	100
49) 1,4-Dioxane	9.20	88	65772	1818.448	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	987753	399.739	ug/l	100
52) Toluene	10.16	92	393519	50.572	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	252371	59.048	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	275532	55.895	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	159508	54.898	ug/l	100
56) Ethyl methacrylate	10.43	69	252087	72.559	ug/l	100
57) 1,3-Dichloropropane	10.71	76	260125	54.052	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	558959	365.345	ug/l	100
59) 2-Hexanone	10.75	43	718695	423.205	ug/l	100
60) Dibromochloromethane	10.90	129	187291	55.620	ug/l	100
61) 1,2-Dibromoethane	11.00	107	165992	57.360	ug/l	100
64) Tetrachloroethene	10.63	164	164169	43.475	ug/l	100
65) Chlorobenzene	11.43	112	424928	47.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167501	50.776	ug/l	100
67) Ethyl Benzene	11.51	91	744816	50.988	ug/l	100
68) m/p-Xylenes	11.62	106	566941	100.892	ug/l	100
69) o-Xylene	11.95	106	274063	50.557	ug/l	100
70) Styrene	11.96	104	472518	55.028	ug/l	100
71) Bromoform	12.13	173	148610	61.003	ug/l	100
73) Isopropylbenzene	12.25	105	726970	50.587	ug/l	100
74) N-amyl acetate	12.07	43	283388	77.246	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	226023	62.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	184902m	59.326	ug/l	
77) Bromobenzene	12.53	156	191088	49.753	ug/l	100
78) n-propylbenzene	12.59	91	817202	51.107	ug/l	100
79) 2-Chlorotoluene	12.67	91	485984	50.279	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	619400	51.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	77625	76.948	ug/l	100
82) 4-Chlorotoluene	12.77	91	490531	51.016	ug/l	100
83) tert-Butylbenzene	12.99	119	531695	49.911	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	614503	51.637	ug/l	100
85) sec-Butylbenzene	13.17	105	694286	48.677	ug/l	100
86) p-Isopropyltoluene	13.29	119	641595	51.476	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	328635	49.197	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	321788	47.914	ug/l	100
89) n-Butylbenzene	13.61	91	532423	52.098	ug/l	100
90) Hexachloroethane	13.87	117	124256	51.196	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	323881	49.323	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45551	80.458	ug/l	100

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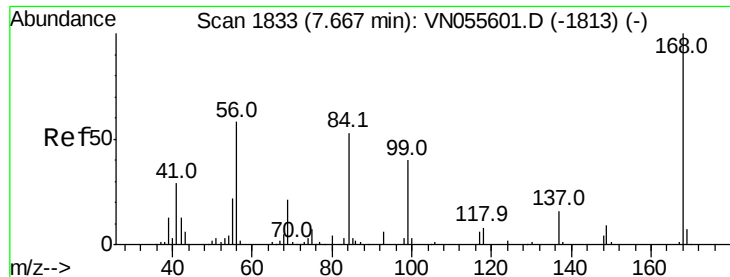
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	189623	55.252	ug/l	100
94) Hexachlorobutadiene	15.01	225	111455	40.868	ug/l	100
95) Naphthalene	15.13	128	514213	74.538	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	187501	56.039	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 324895

Ion Ratio Lower Upper

168 100

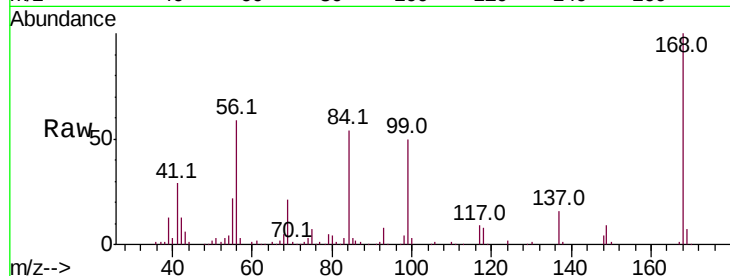
99 50.2 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

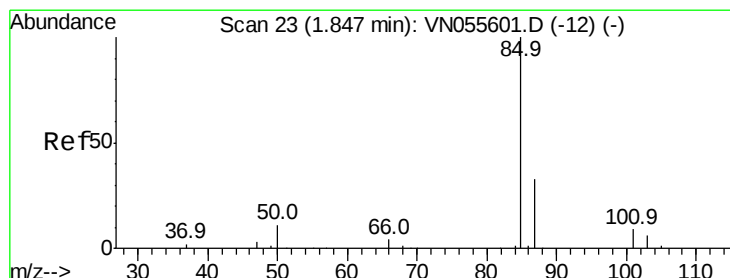
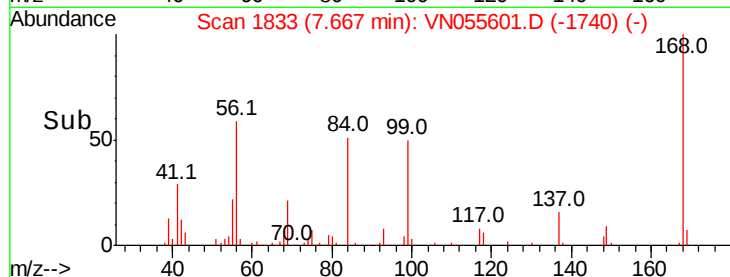
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.648 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055601.D

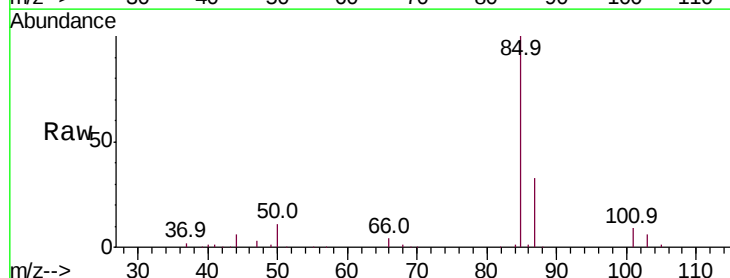
Acq: 17 May 2019 10:39

Tgt Ion: 85 Resp: 116892

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

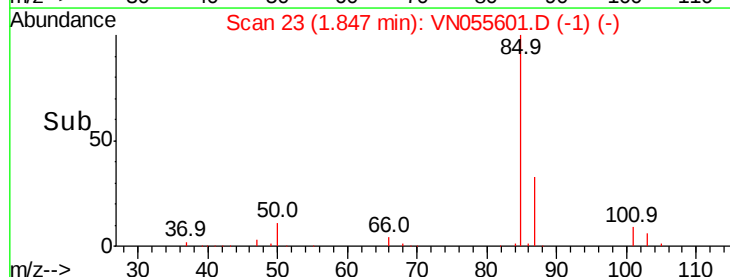
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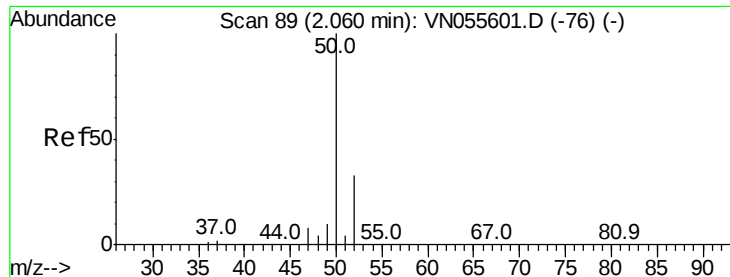
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.530 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 155939

Ion Ratio Lower Upper

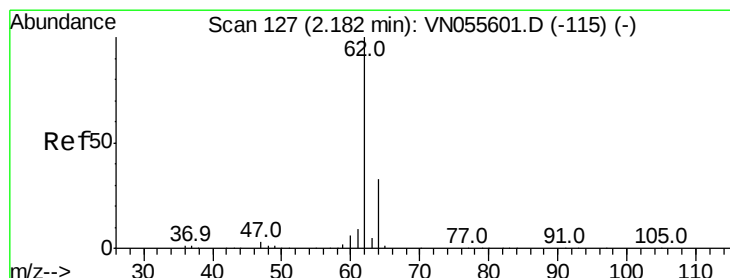
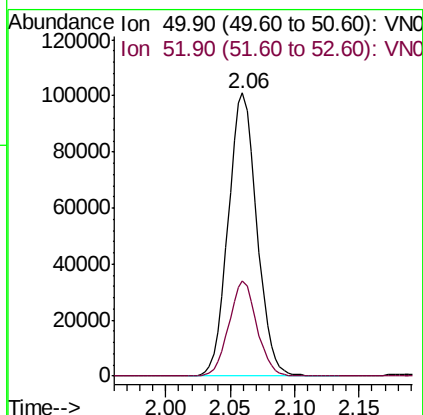
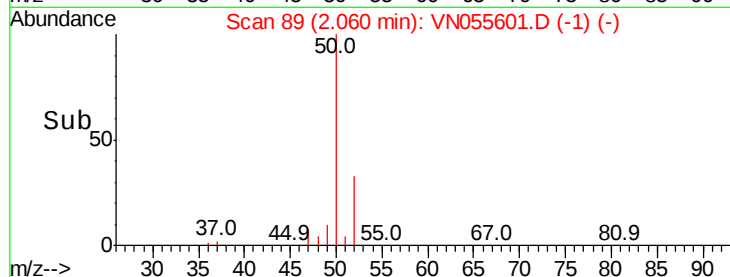
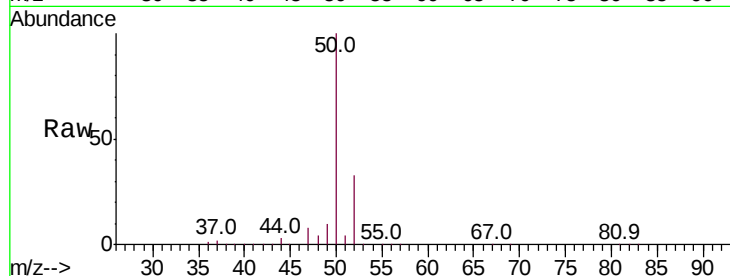
50 100

52 33.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 45.687 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055601.D

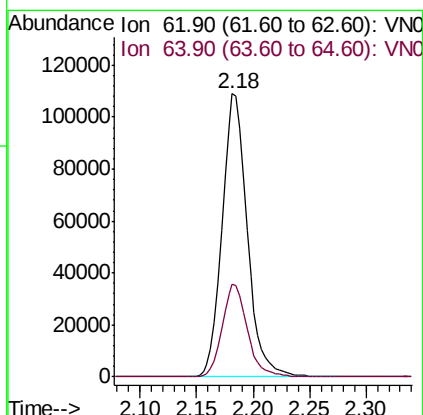
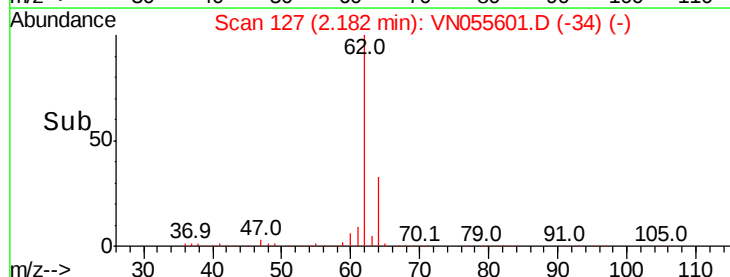
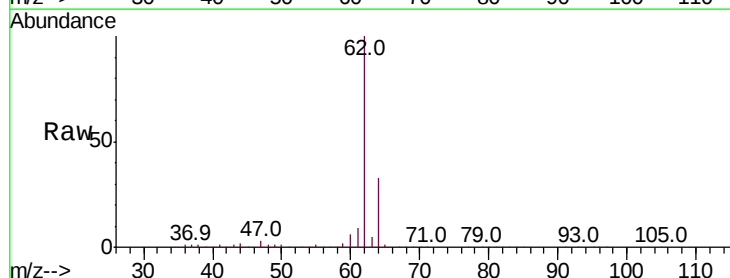
Acq: 17 May 2019 10:39

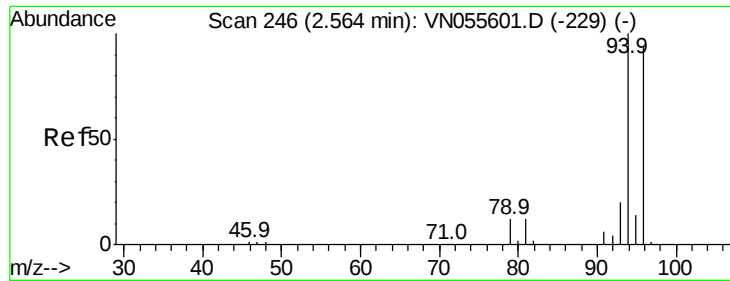
Tgt Ion: 62 Resp: 169379

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 41.019 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 110137

Ion Ratio Lower Upper

94 100

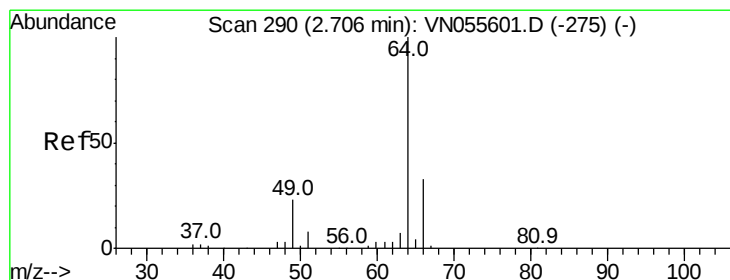
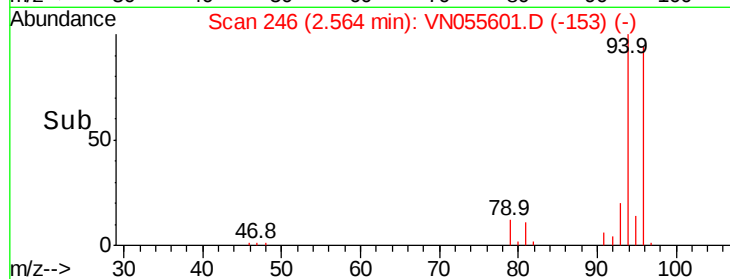
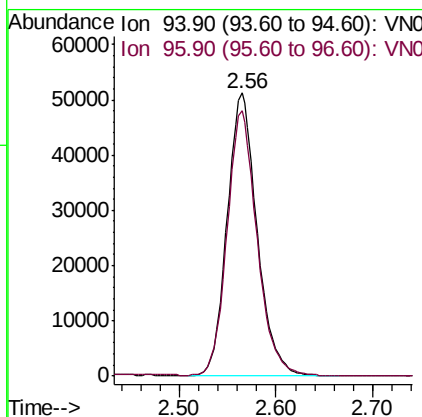
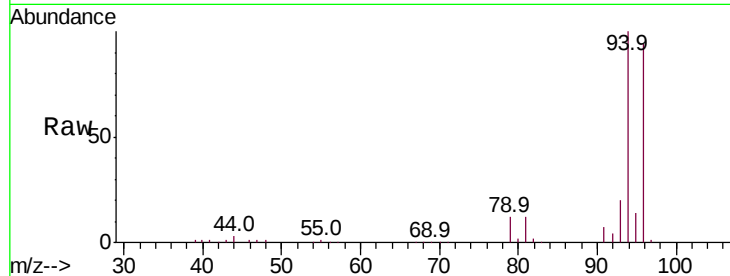
96 94.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 41.597 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055601.D

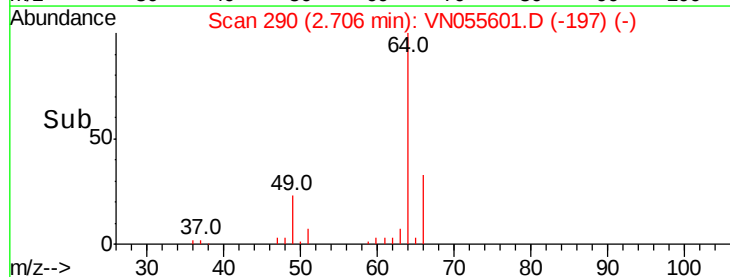
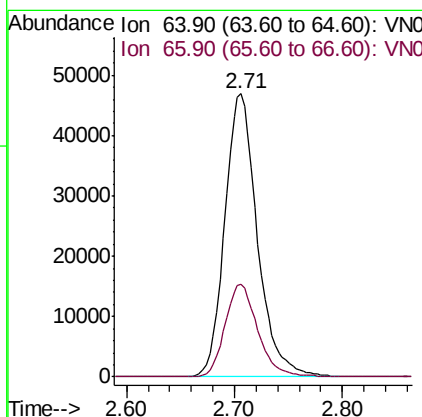
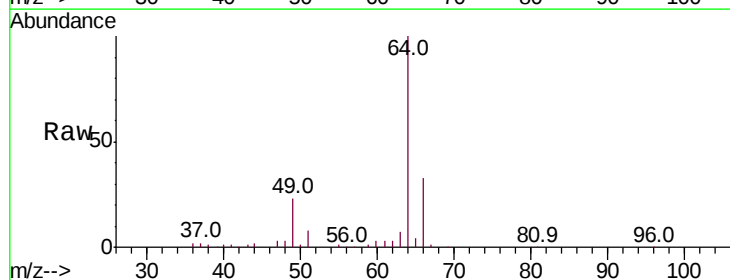
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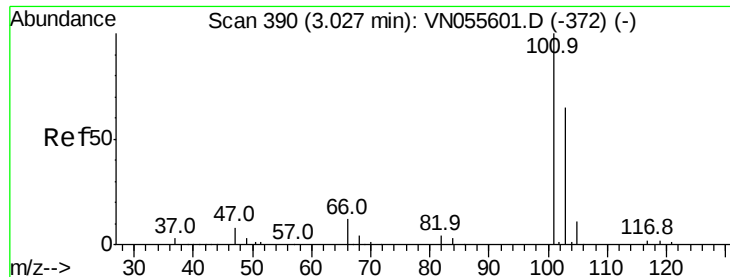
Tgt Ion: 64 Resp: 98584

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4





#7

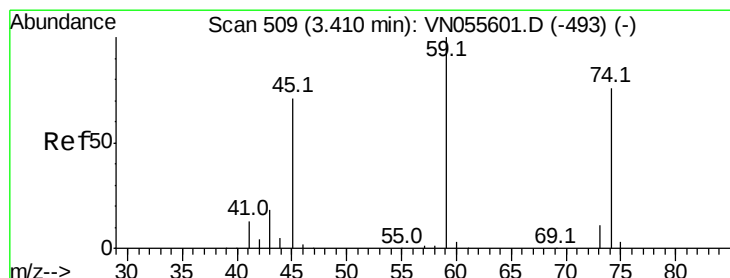
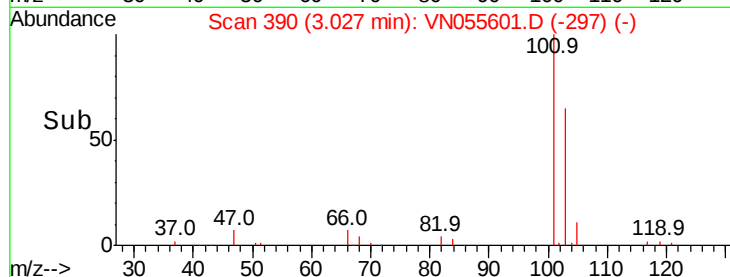
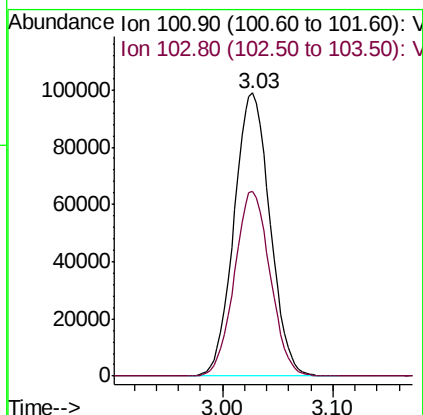
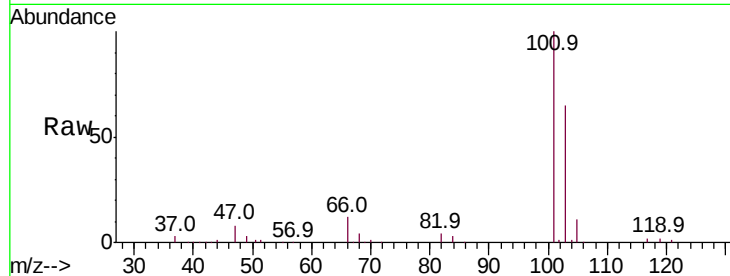
Trichlorofluoromethane
 Concen: 42.639 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

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 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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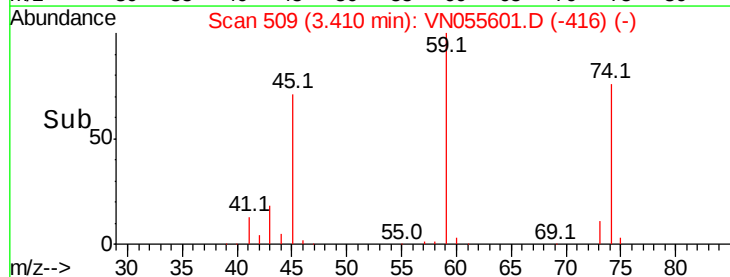
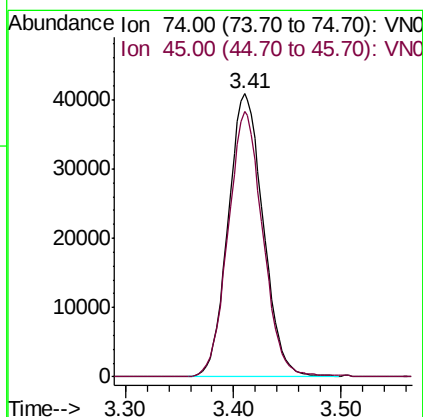
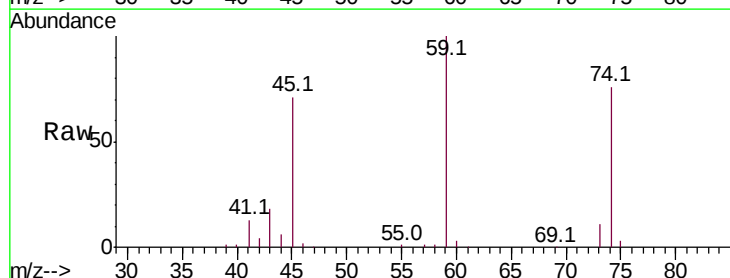
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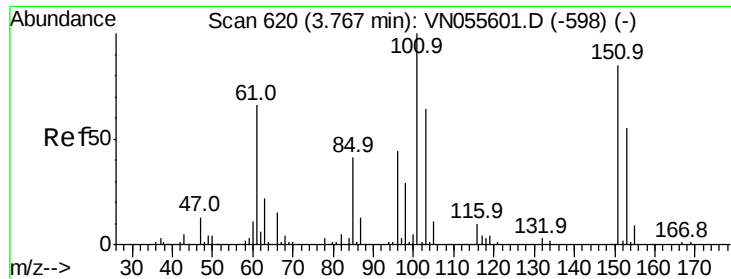


#8

Diethyl Ether
 Concen: 48.833 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.996 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

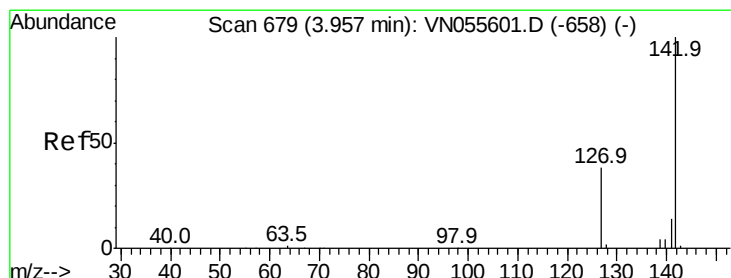
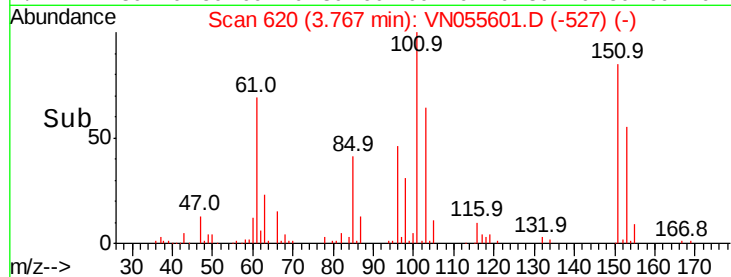
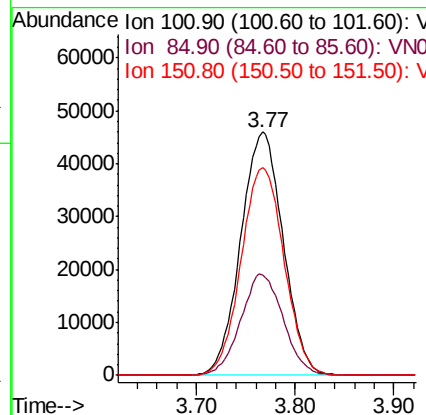
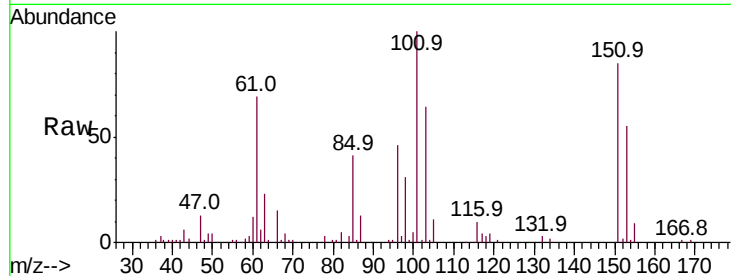
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	136885		
85	41.7	33.4	50.0	
151	86.6	69.3	103.9	

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#10

Methyl Iodide

Concen: 44.355 ug/l

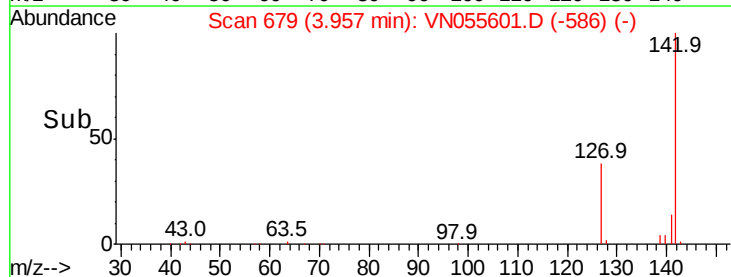
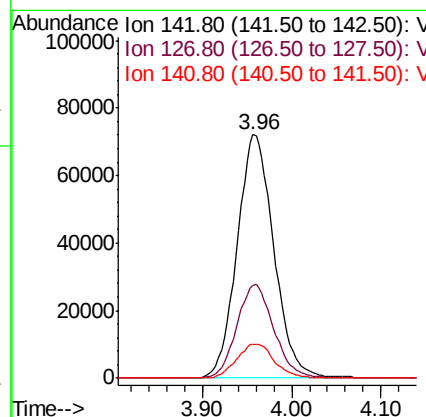
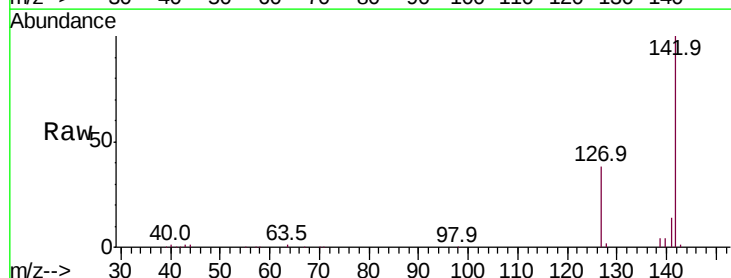
RT: 3.96 min Scan# 679

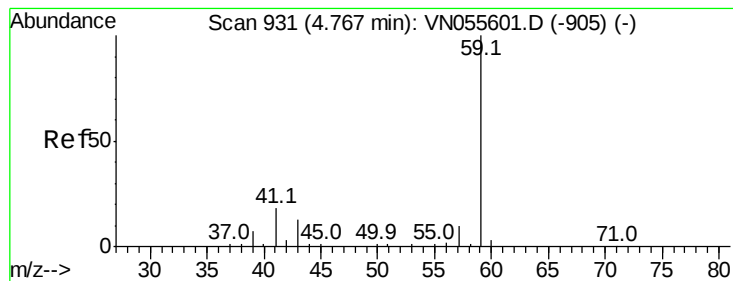
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	205480		
127	38.7	31.0	46.4	
141	14.4	11.5	17.3	





#11

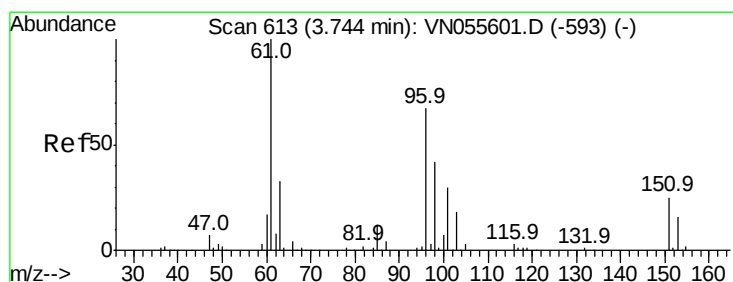
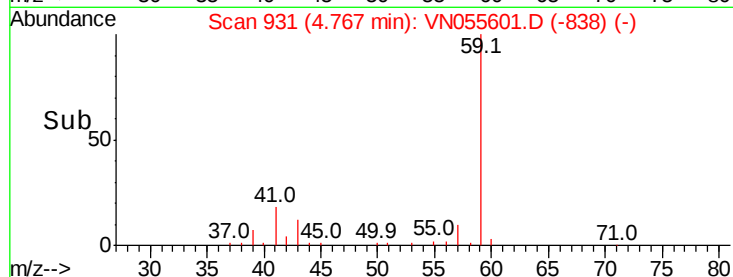
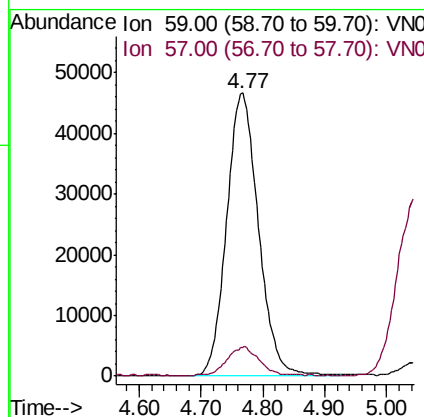
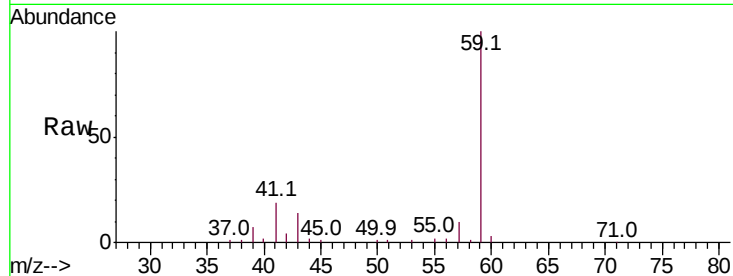
Tert butyl alcohol
 Concen: 552.118 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	9.7	Resp	166983	Lower	7.8	Upper	11.6
Ion	59	57	Ratio	100	9.7	Resp	166983	Lower	7.8	Upper	11.6

Manual Integrations
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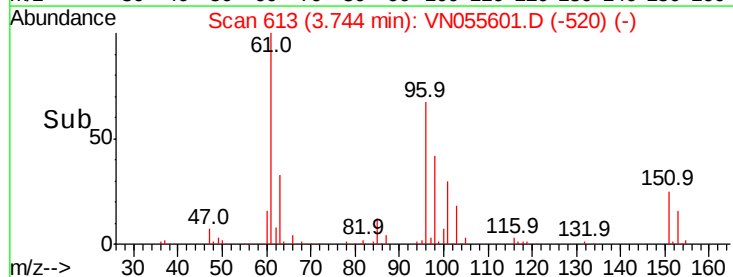
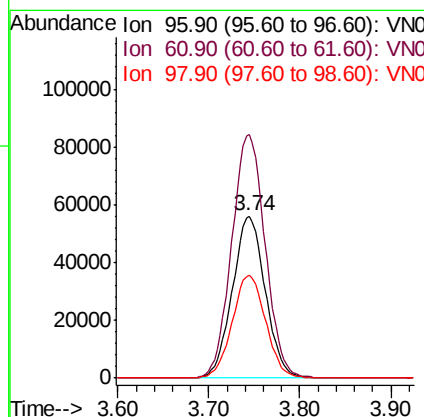
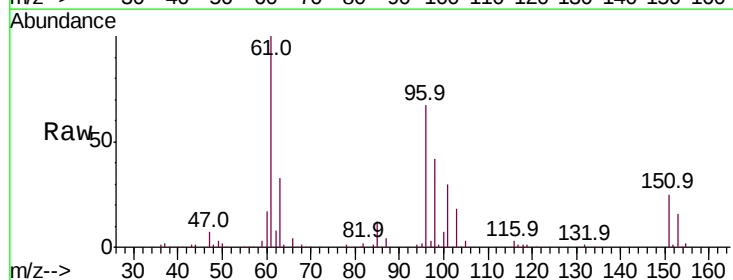
MMDadoda
 5/20/2019 9:10:02 AM

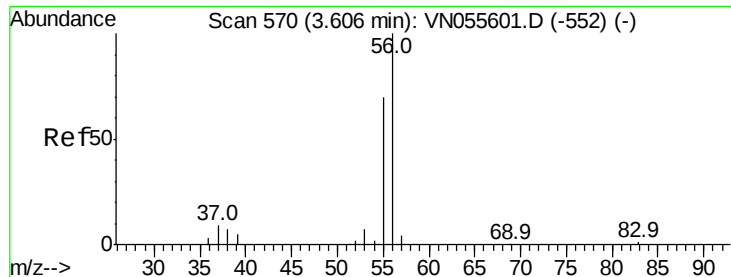


#12

1,1-Dichloroethene
 Concen: 47.119 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	96	61	98	Ratio	100	150.2	63.2	Resp	141358	Lower	120.2	50.6	Upper	180.2	75.8
Ion	96	61	98	Ratio	100	150.2	63.2	Resp	141358	Lower	120.2	50.6	Upper	180.2	75.8





#13

Acrolein

Concen: 476.737 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 81042

Ion Ratio Lower Upper

56 100

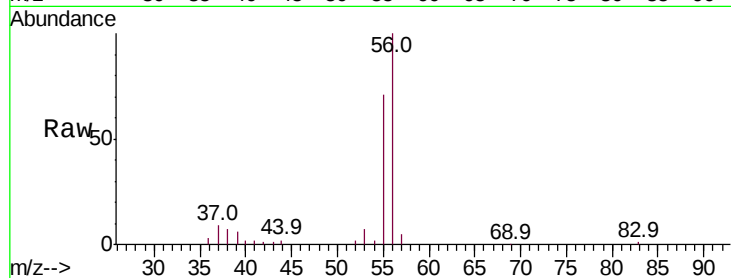
55 70.6 56.5 84.7

Manual Integrations

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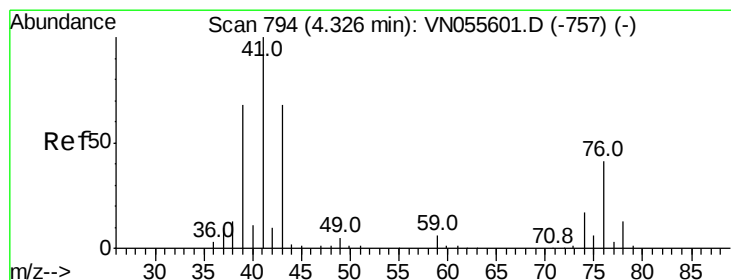
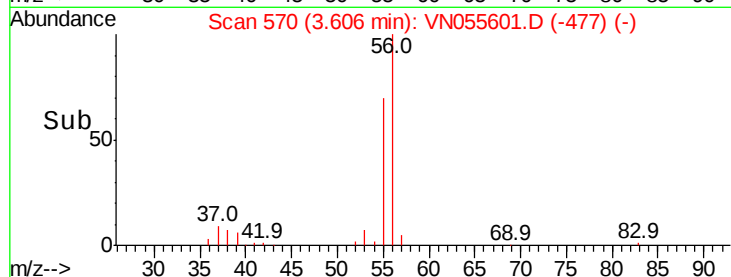
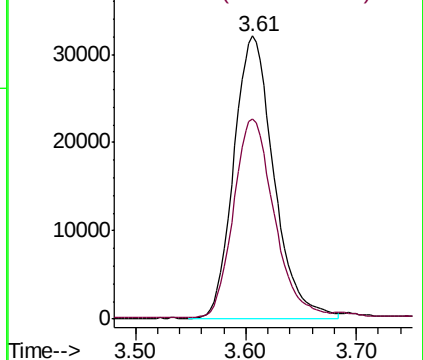
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 52.114 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

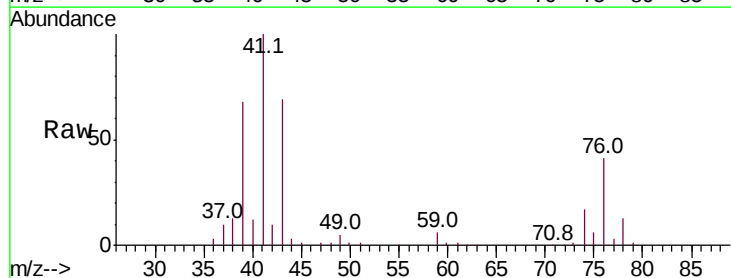
Tgt Ion: 41 Resp: 239823

Ion Ratio Lower Upper

41 100

39 63.1 50.5 75.7

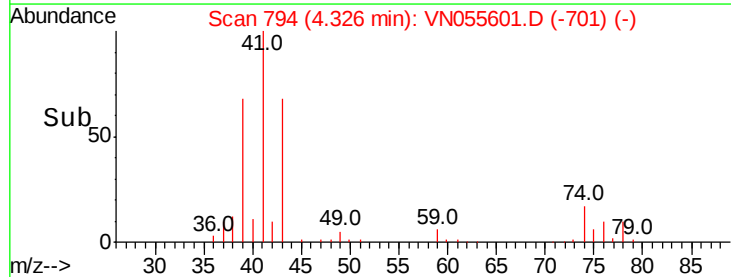
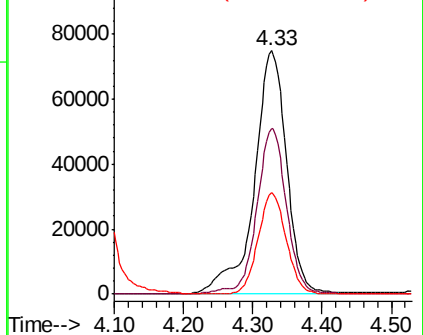
76 36.5 29.2 43.8

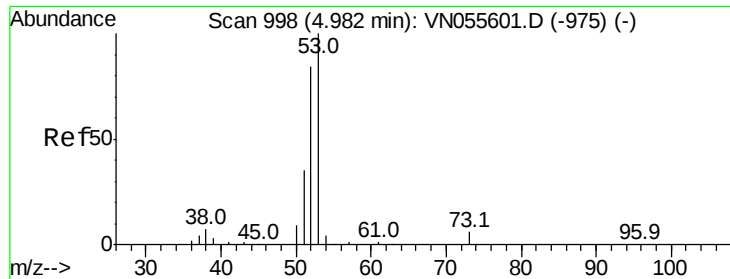


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 333.500 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

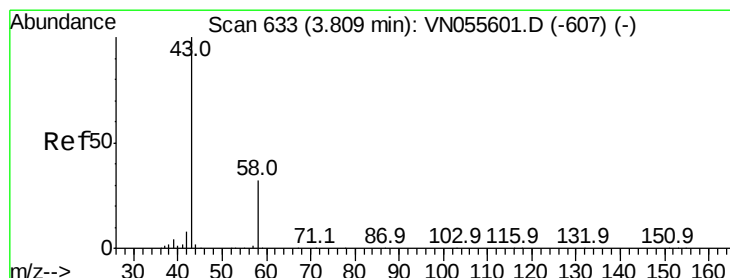
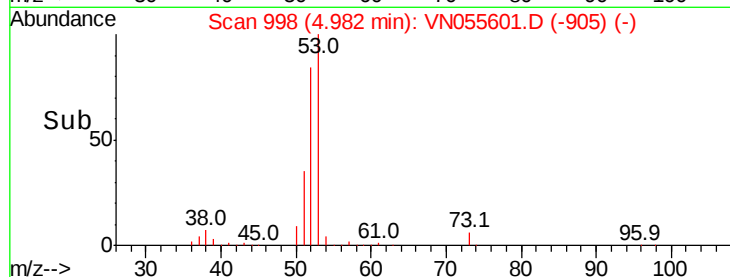
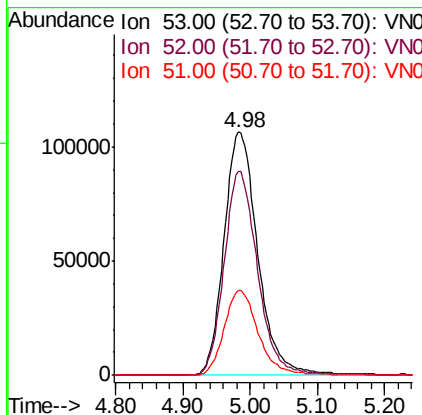
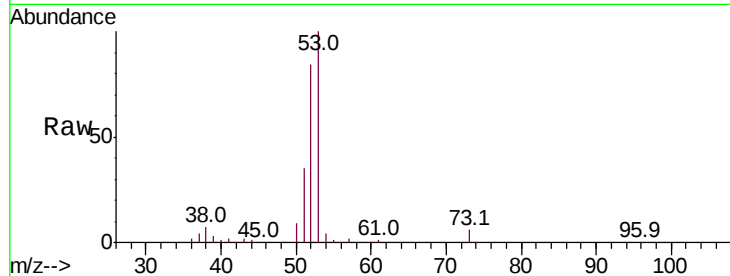
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	371506
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	35.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 354.610 ug/l

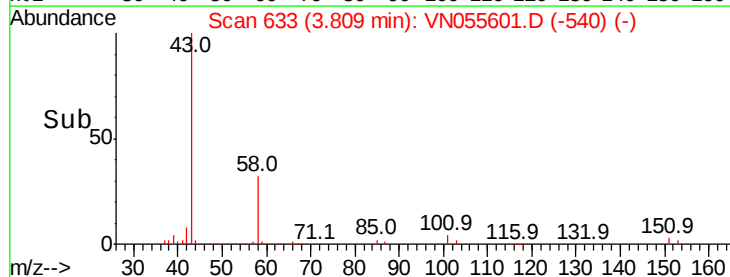
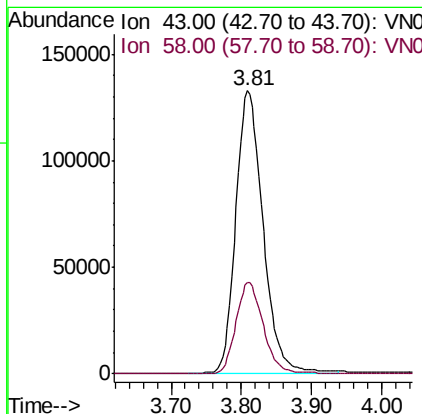
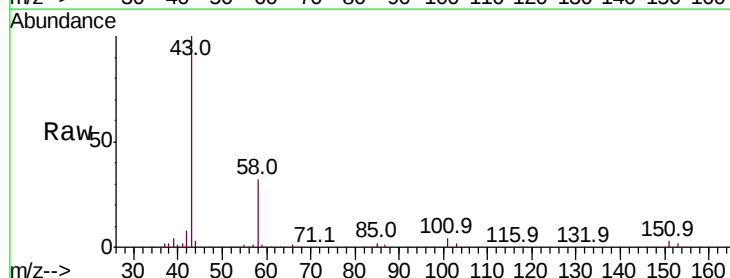
RT: 3.81 min Scan# 633

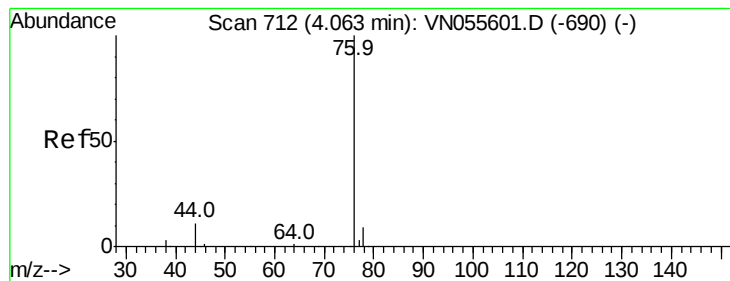
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion:	43	Resp:	357552
Ion Ratio	Lower	Upper	
43	100		
58	32.5	26.0	39.0





#17

Carbon Disulfide

Concen: 43.092 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 393813

Ion Ratio Lower Upper

76 100

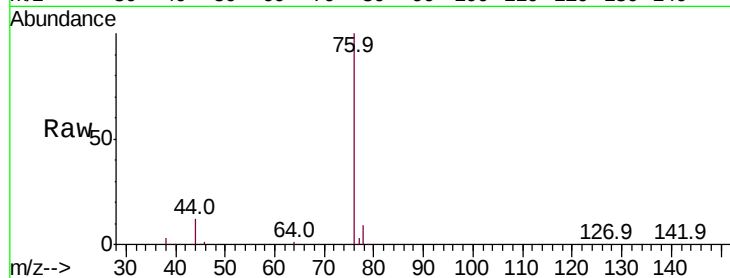
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

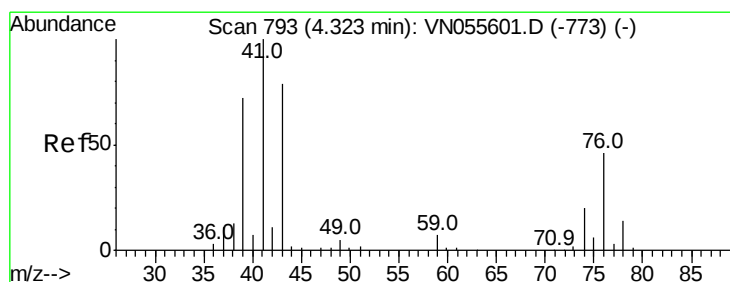
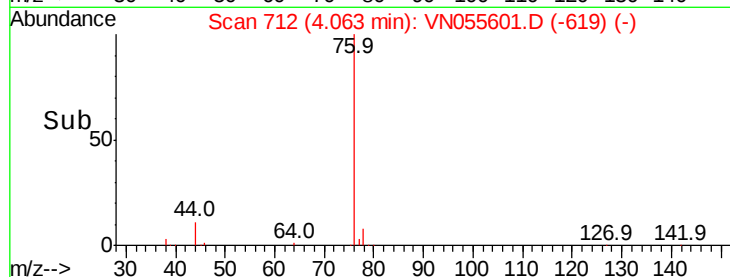
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 65.364 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN055601.D

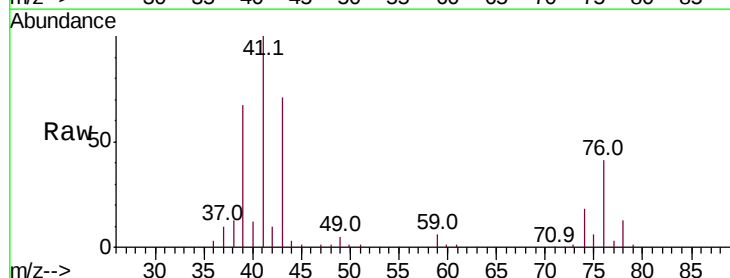
Acq: 17 May 2019 10:39

Tgt Ion: 43 Resp: 152585

Ion Ratio Lower Upper

43 100

74 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

60000

50000

40000

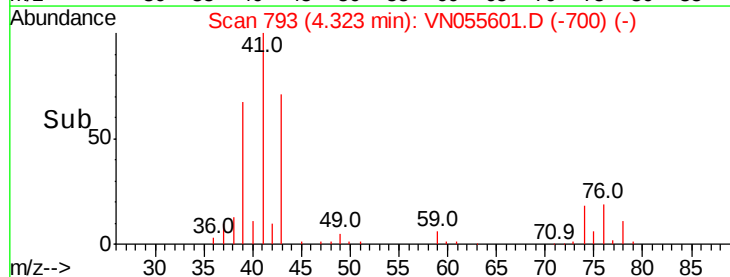
30000

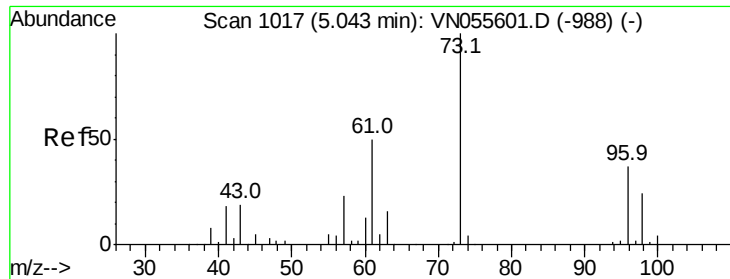
20000

10000

0

Time-->





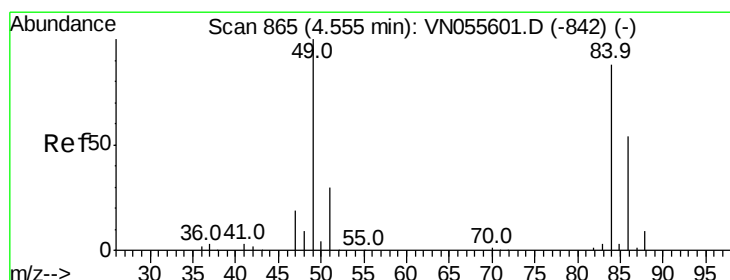
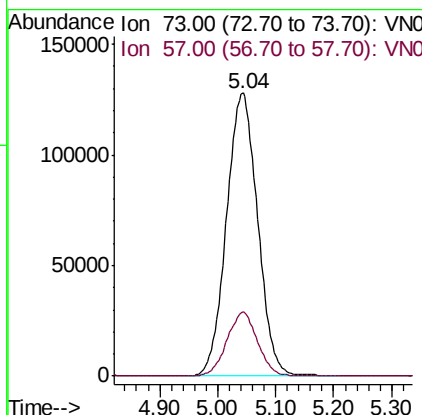
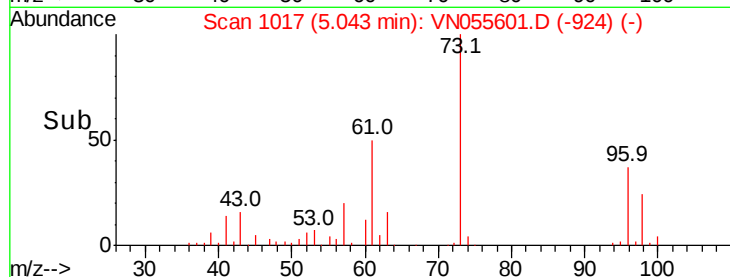
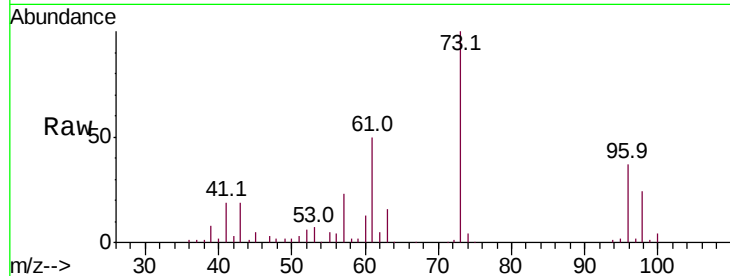
#19
Methyl tert-butyl Ether
Concen: 60.430 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleID :
VSTDICCC050

Tot Ion: 73 Resp: 479384
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

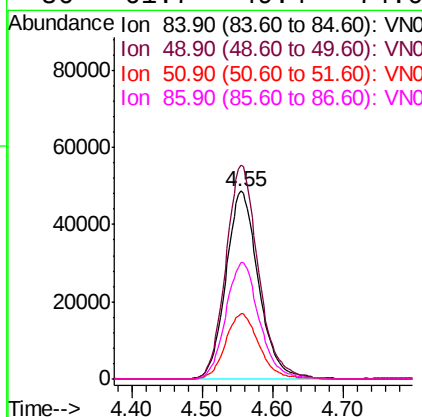
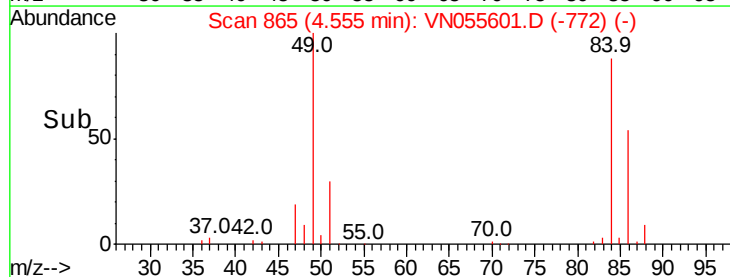
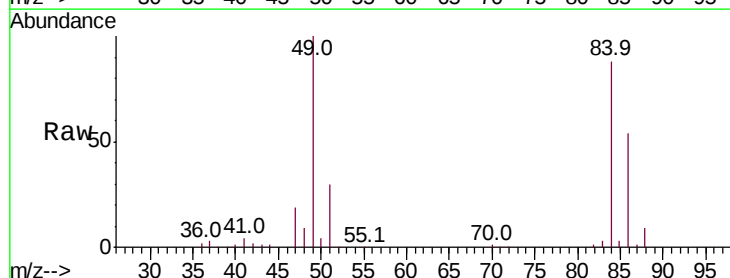
Manual Integrations
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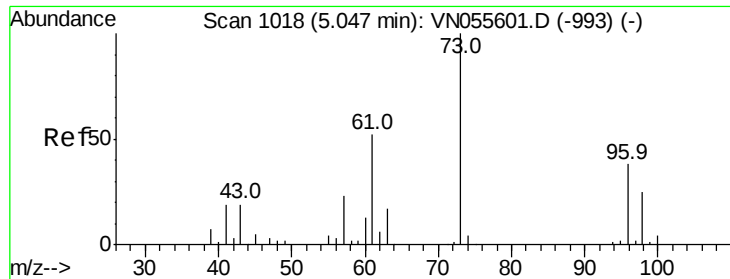
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5/20/2019 9:10:02 AM



#20
Methylene Chloride
Concen: 46.493 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 84 Resp: 157996
Ion Ratio Lower Upper
84 100
49 113.7 91.0 136.4
51 34.4 27.5 41.3
86 61.7 49.4 74.0





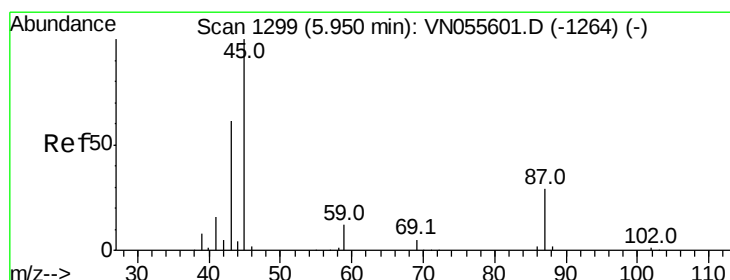
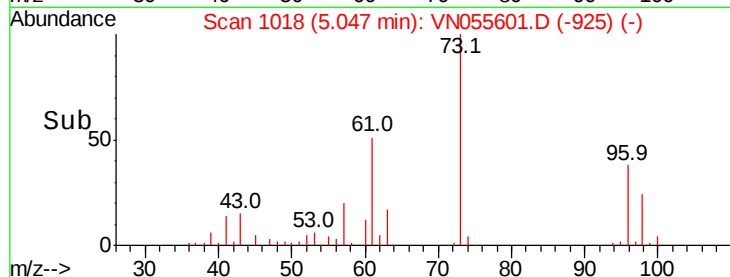
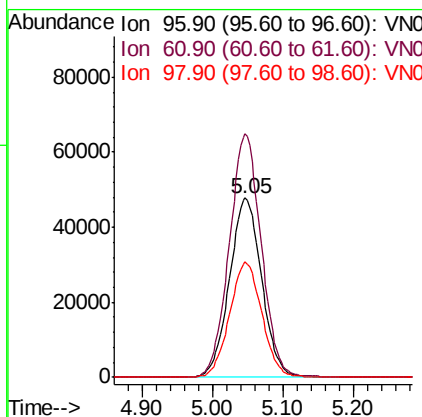
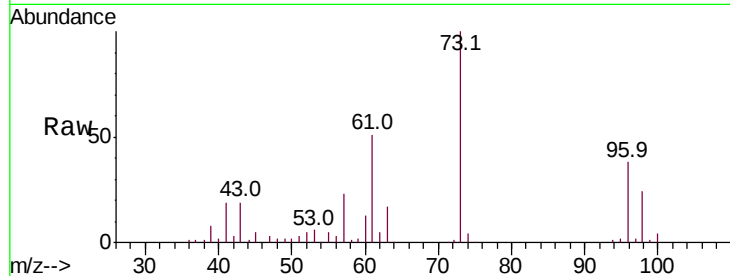
#21
trans-1,2-Dichloroethene
Concen: 48.454 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	108.6	162.8
98	64.2	51.4	77.0

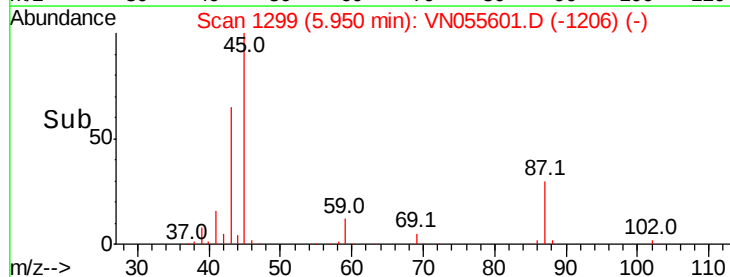
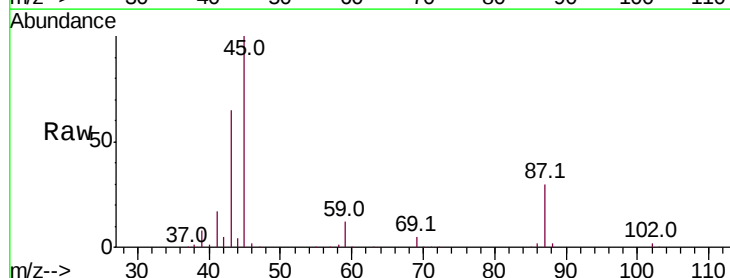
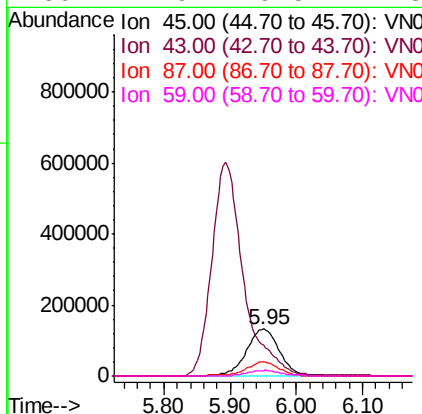
Manual Integrations
APPROVED

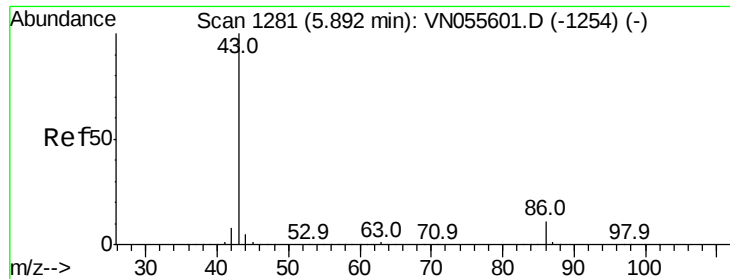
MMDadoda
5/20/2019 9:10:02 AM



#22
Diisopropyl ether
Concen: 53.838 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	50.4	75.6
87	29.7	23.8	35.6
59	11.9	9.5	14.3





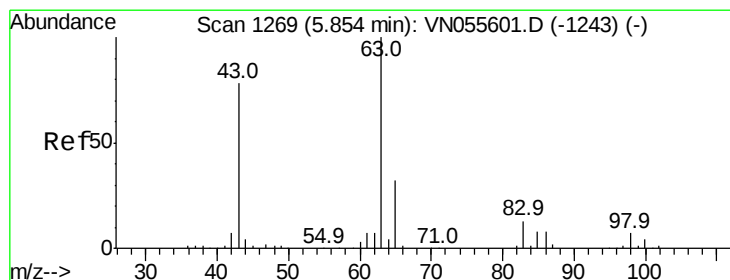
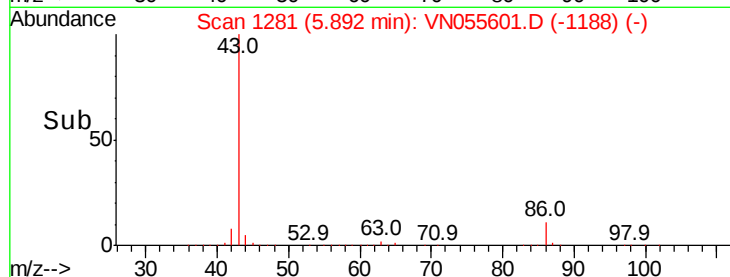
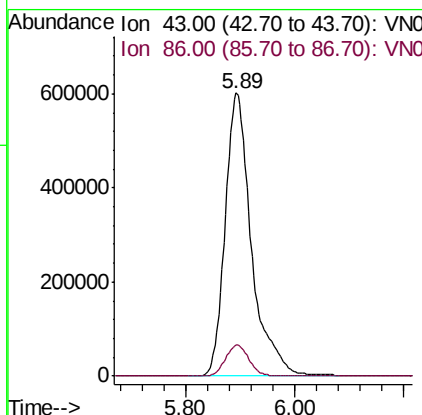
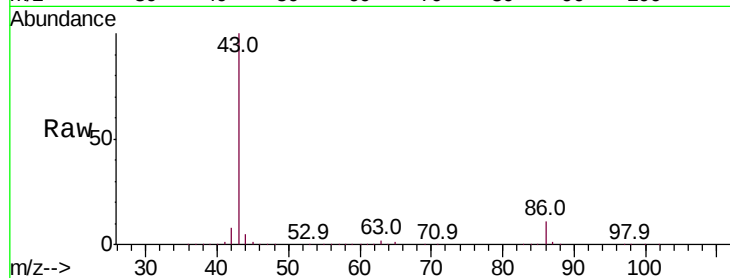
#23
 Vinyl Acetate
 Concen: 315.159 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2010782
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1

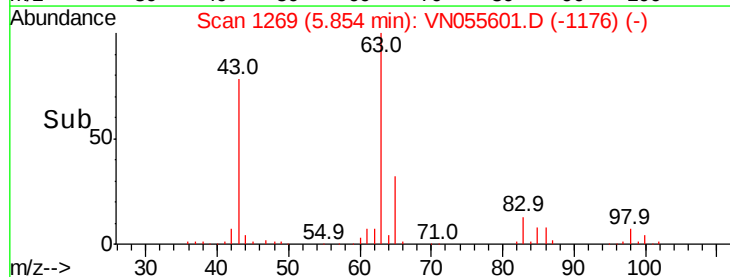
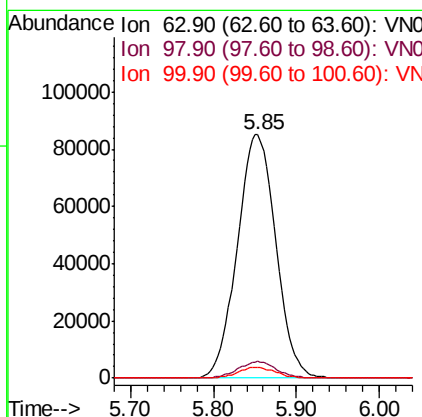
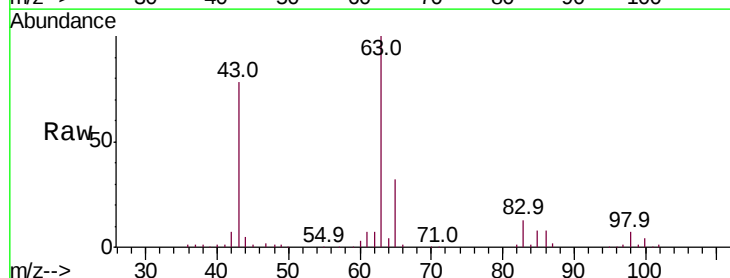
Manual Integrations
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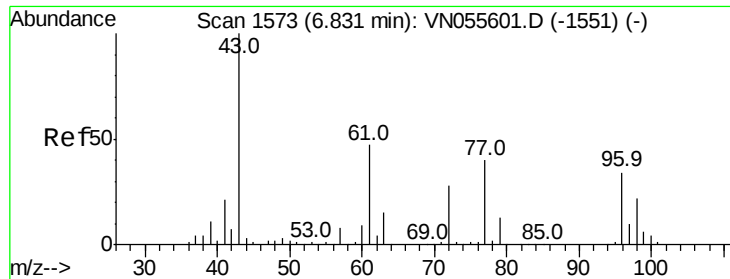
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 47.965 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 63 Resp: 274759
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.4 2.2 6.6





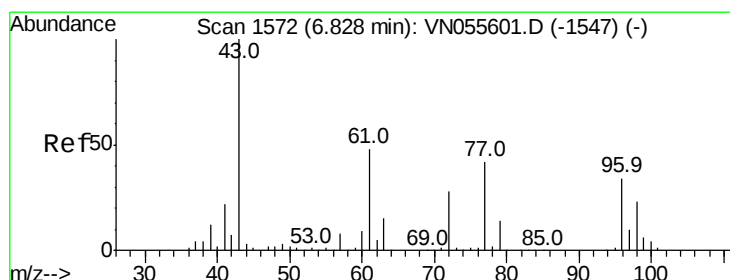
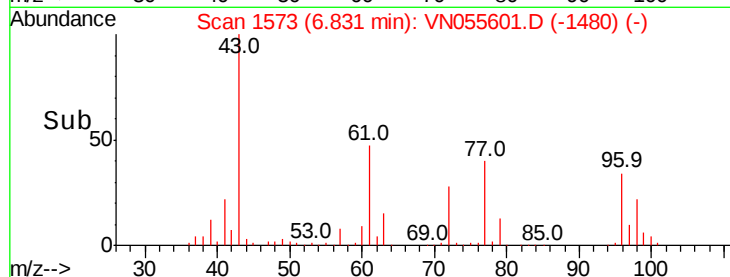
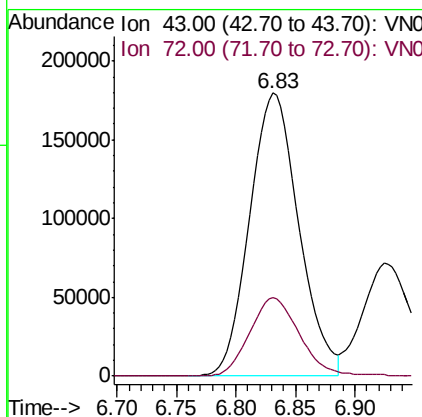
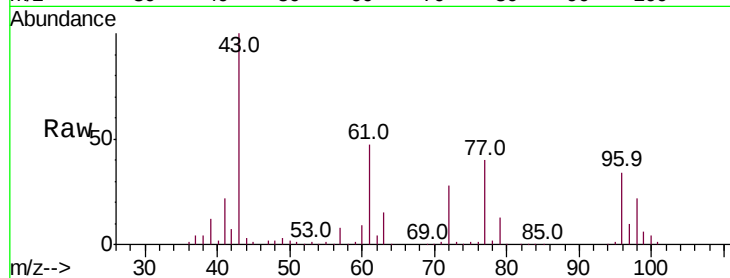
#25
2-Butanone
Concen: 387.511 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 512520
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

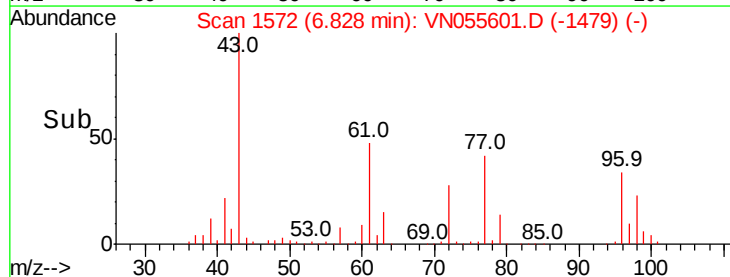
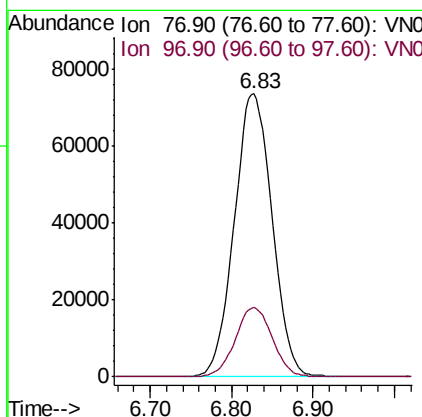
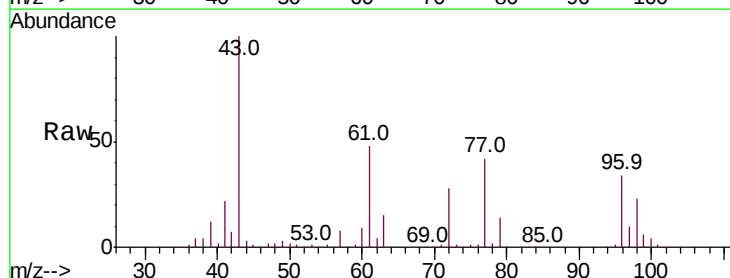
Manual Integrations
APPROVED

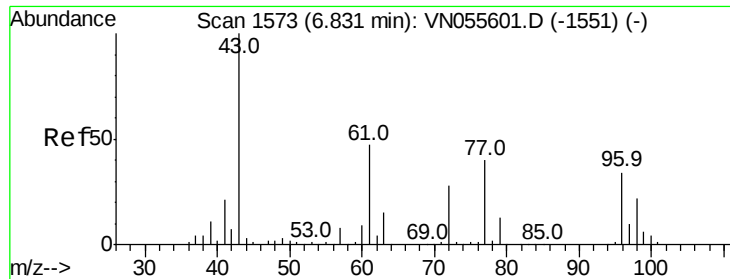
MMDadoda
5/20/2019 9:10:02 AM



#26
2,2-Dichloropropane
Concen: 53.370 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 77 Resp: 236669
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 50.074 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 177271

Ion Ratio Lower Upper

96 100

61 139.5 0.0 279.0

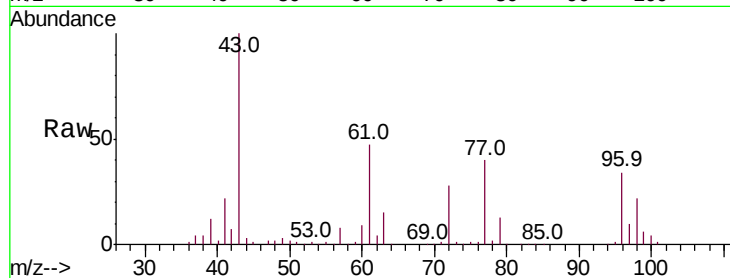
98 65.8 0.0 131.6

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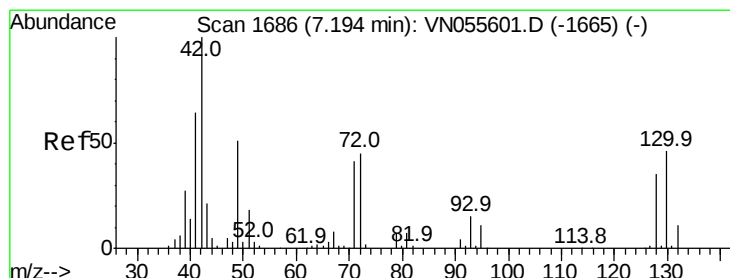
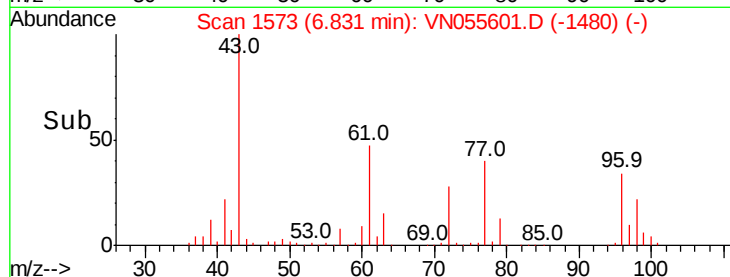
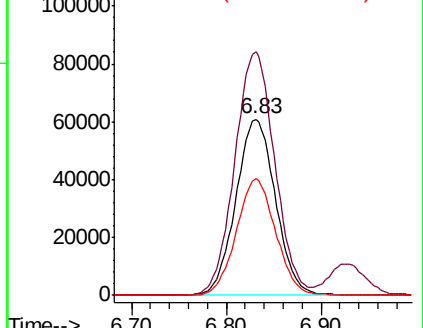
5/20/2019 9:10:02 AM



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



#28

Bromochloromethane

Concen: 49.431 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

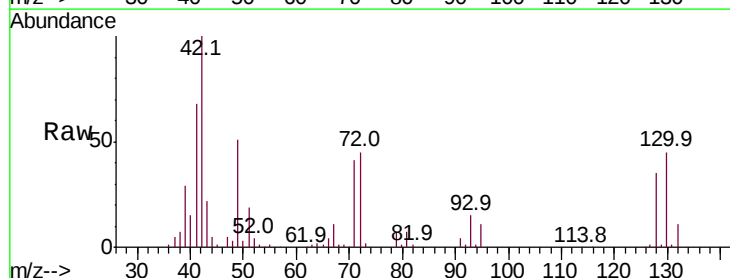
Tgt Ion: 49 Resp: 123643

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

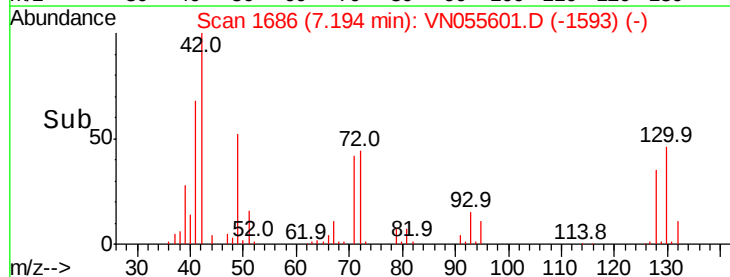
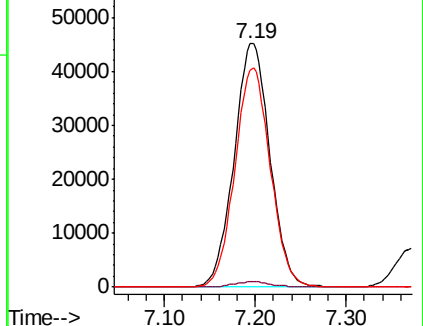
130 88.8 71.0 106.6

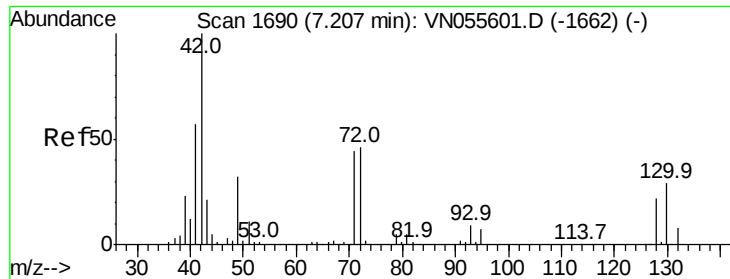


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





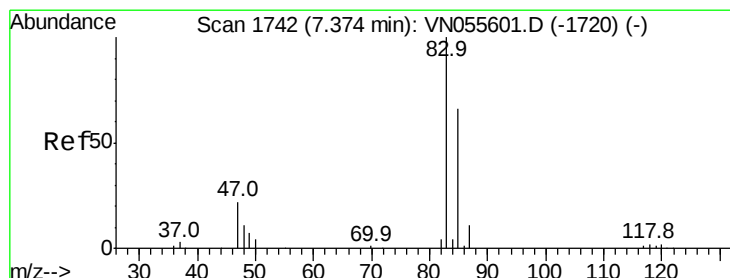
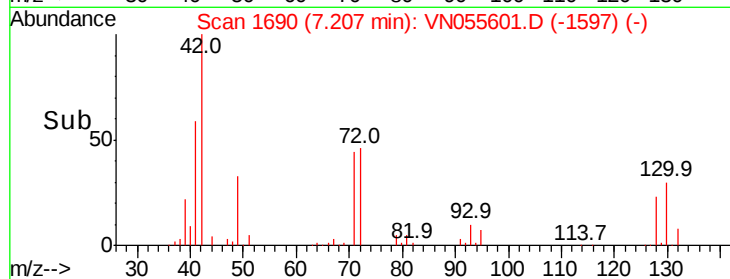
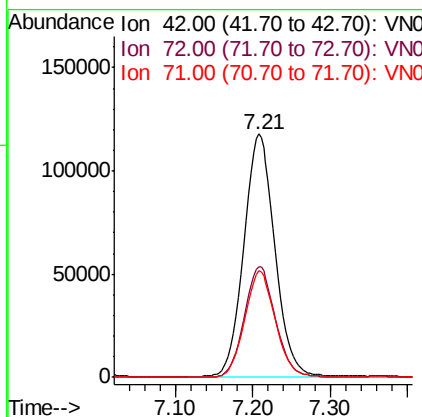
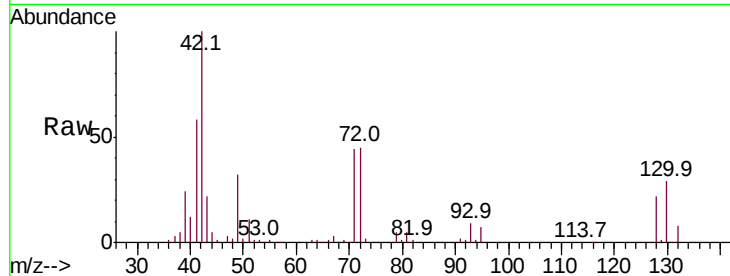
#29
Tetrahydrofuran
Concen: 386.619 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

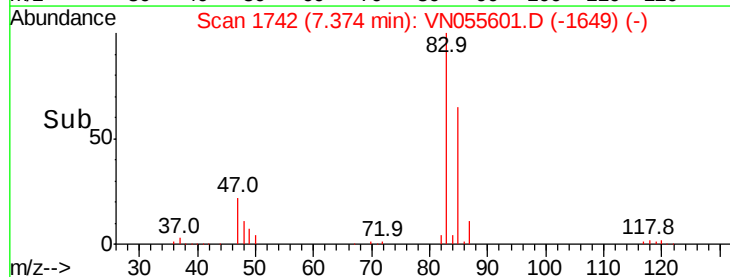
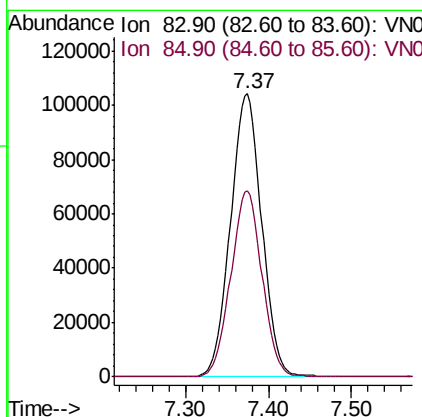
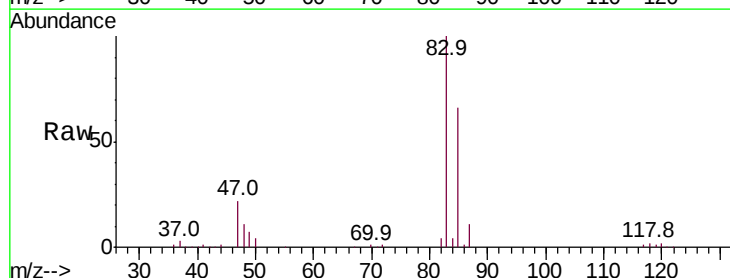
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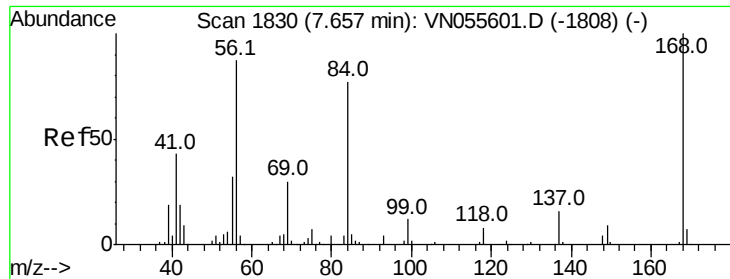
MMDadoda
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#30
Chloroform
Concen: 47.467 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





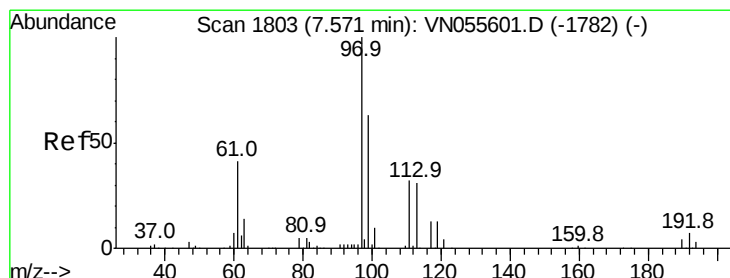
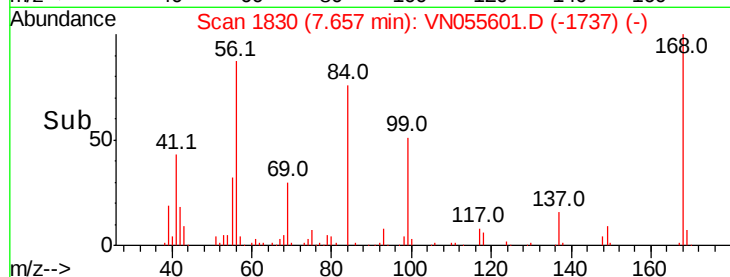
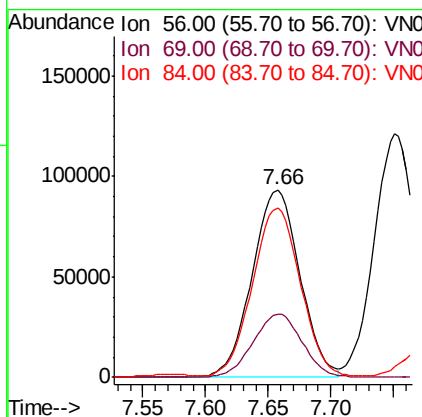
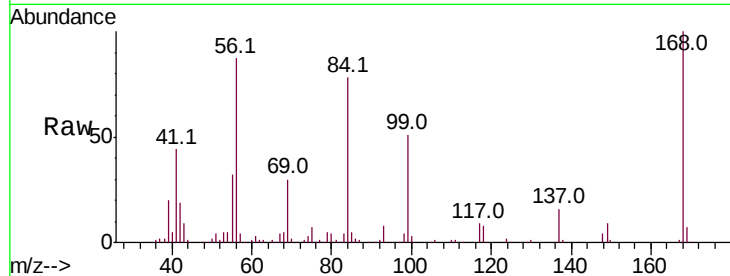
#31
Cyclohexane
Concen: 41.654 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	89.1	71.3	106.9

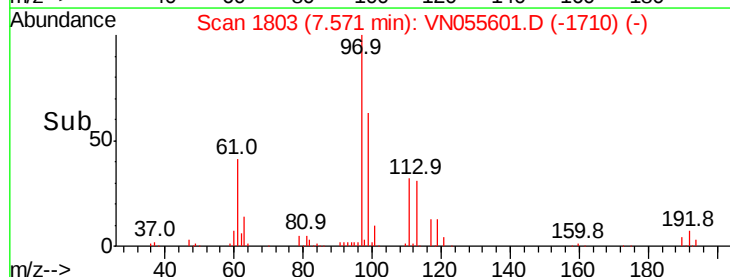
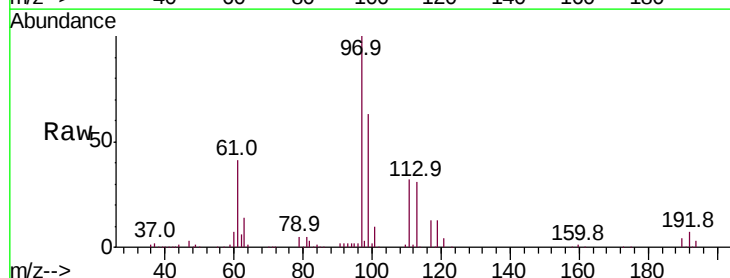
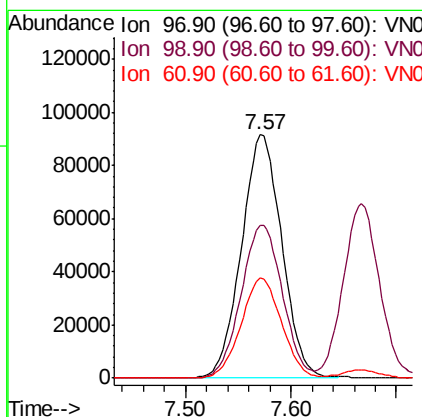
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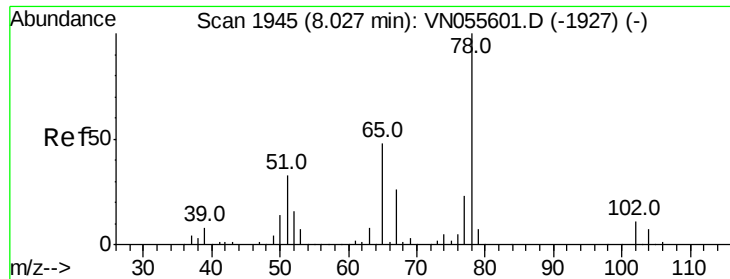
MMDadoda
5/20/2019 9:10:02 AM



#32
1,1,1-Trichloroethane
Concen: 49.248 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	41.1	32.9	49.3





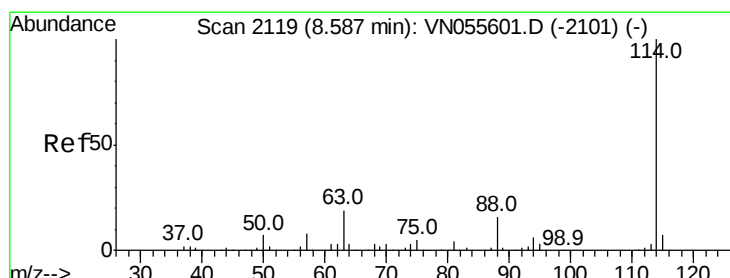
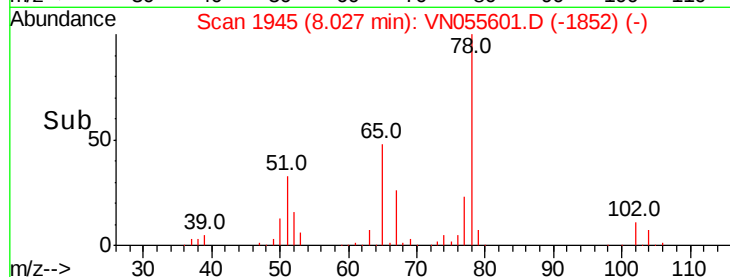
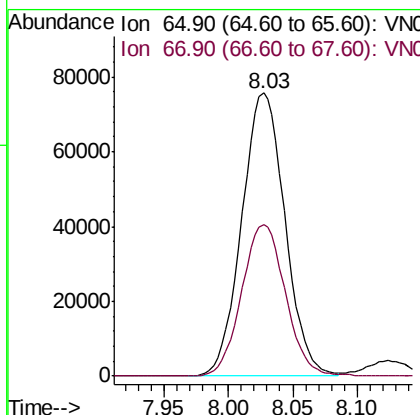
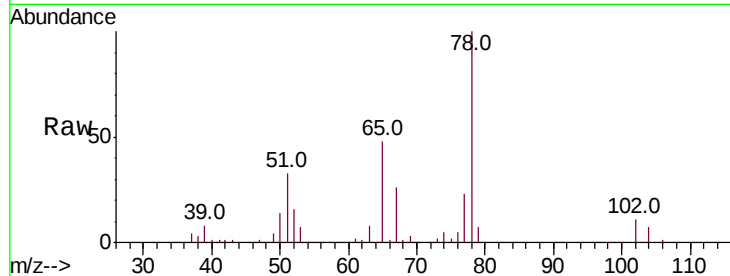
#33
 1,2-Dichloroethane-d4
 Concen: 52.643 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177168		
67	54.3	0.0	108.6	

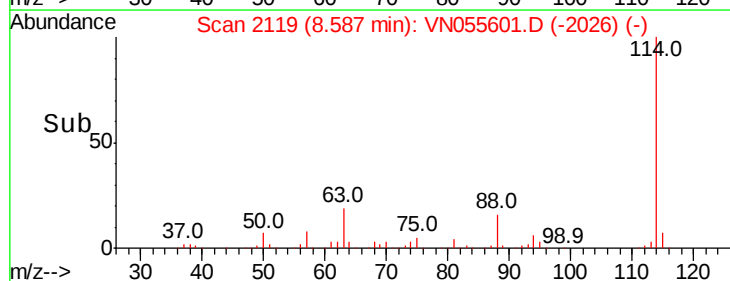
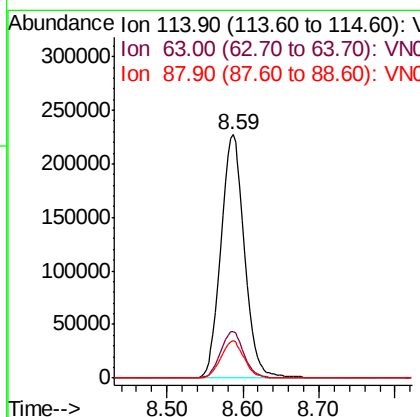
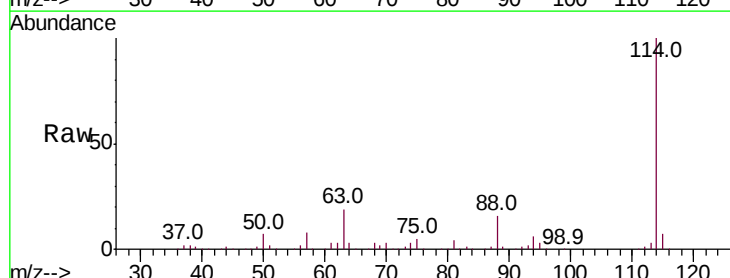
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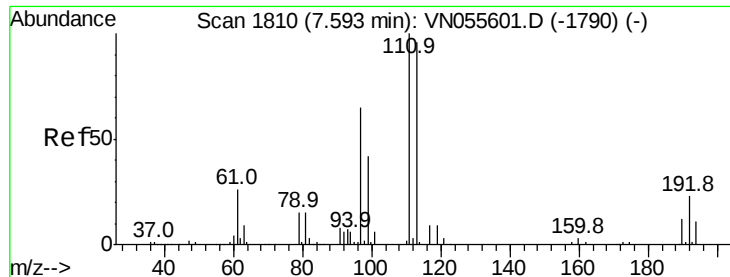
MMDadoda
 5/20/2019 9:10:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	490236		
63	19.1	0.0	38.2	
88	15.5	0.0	31.0	





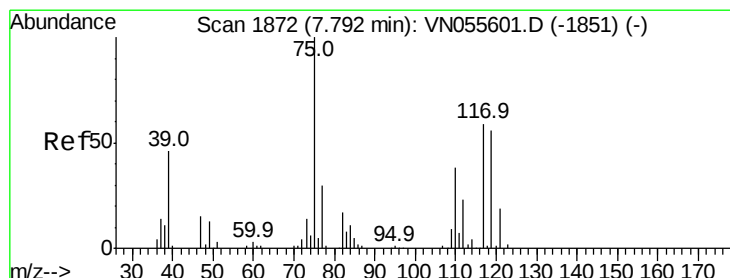
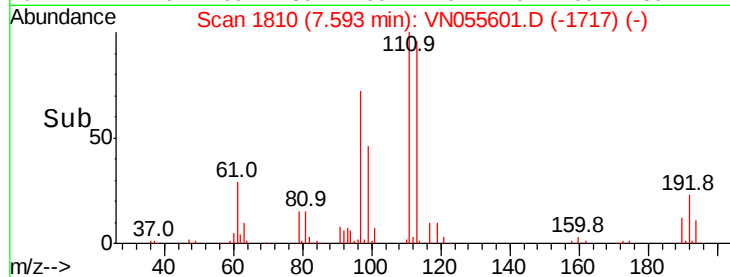
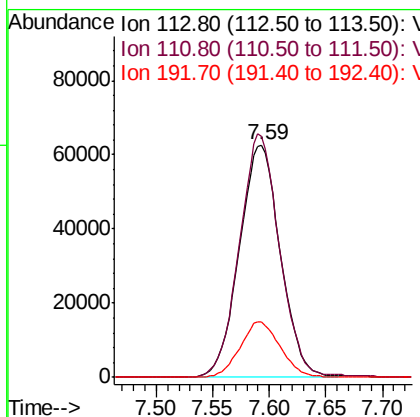
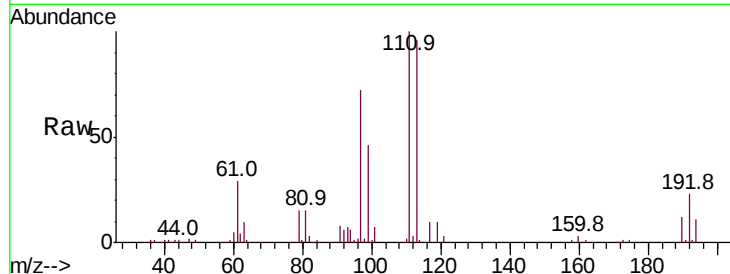
#35
 Dibromofluoromethane
 Concen: 49.030 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	23.4	18.7	28.1

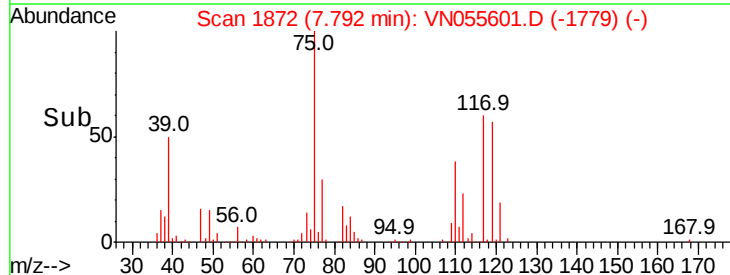
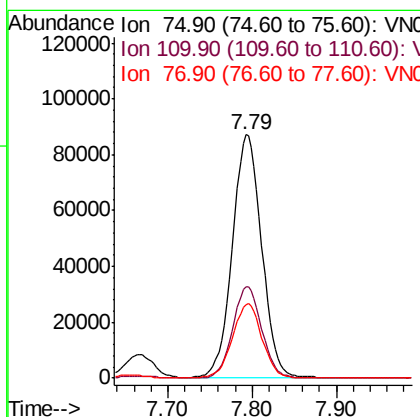
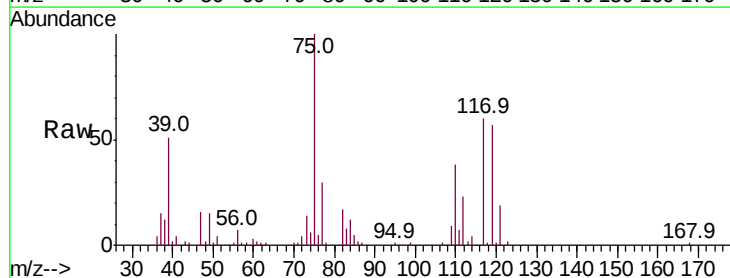
Manual Integrations
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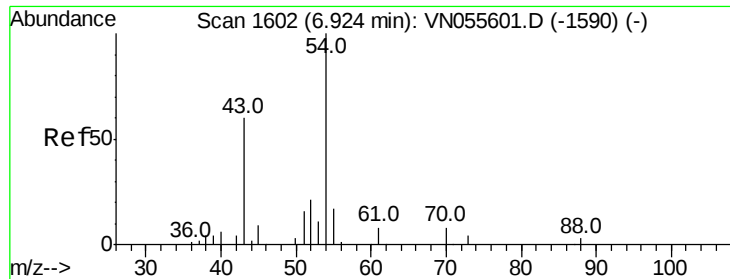
MMDadoda
 5/20/2019 9:10:02 AM



#36
 1,1-Dichloropropene
 Concen: 47.176 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.6	55.6
77	31.1	24.9	37.3





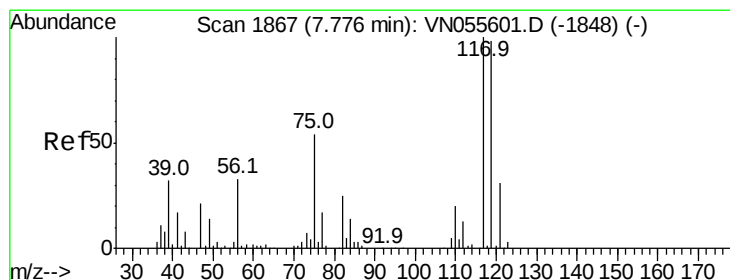
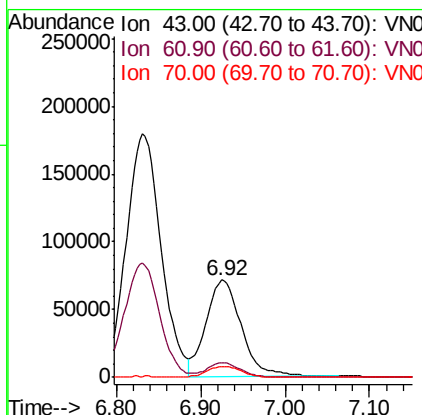
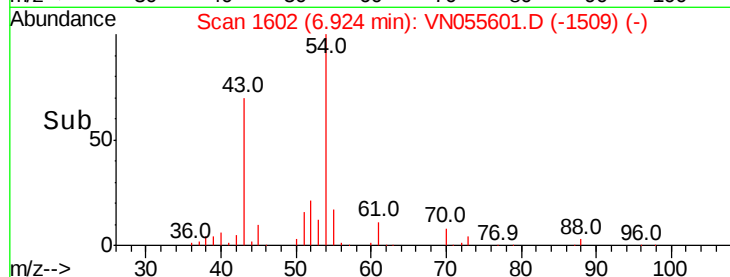
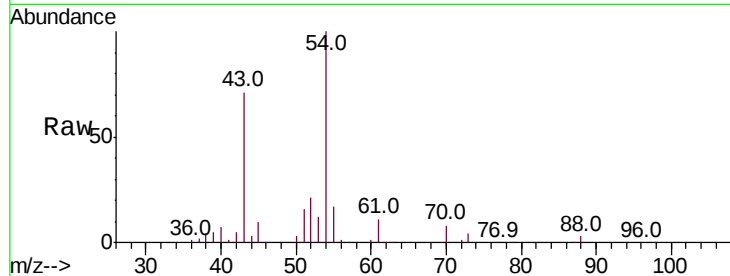
#37
Ethyl Acetate
Concen: 75.547 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.5	9.2	13.8

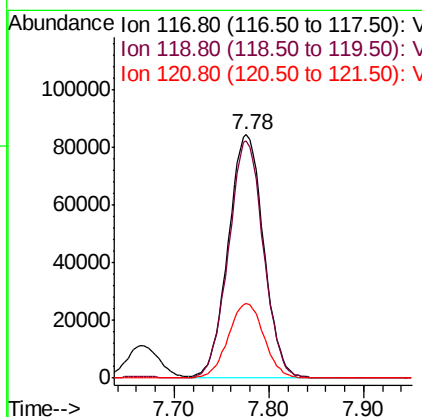
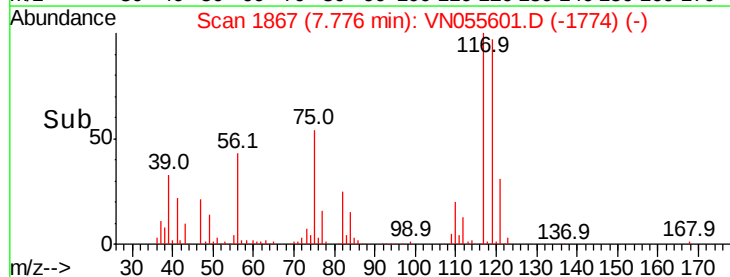
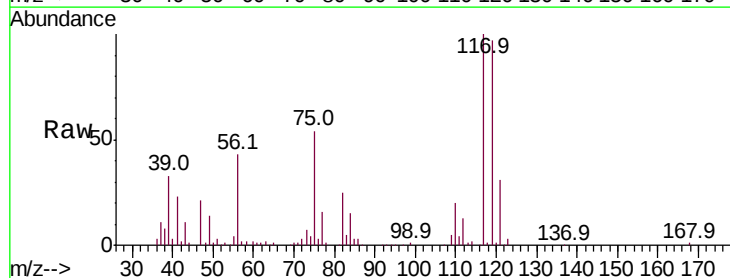
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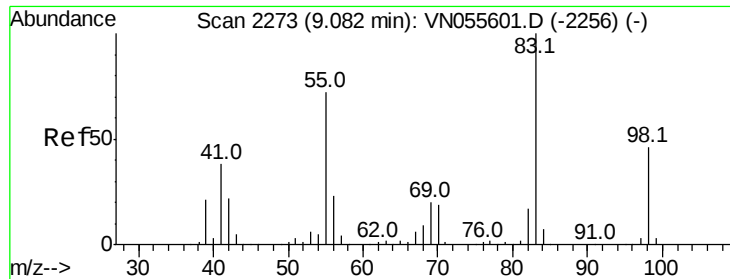
MMDadoda
5/20/2019 9:10:02 AM



#38
Carbon Tetrachloride
Concen: 45.772 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
121	30.8	24.6	37.0





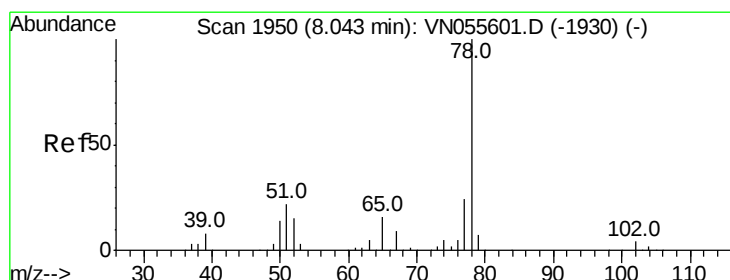
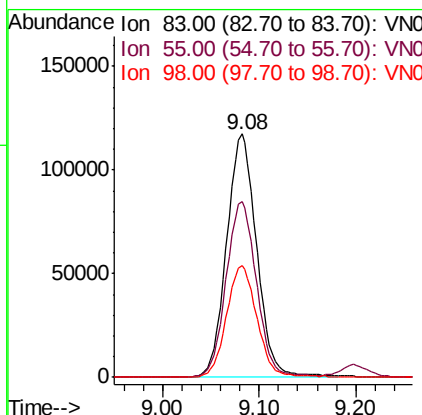
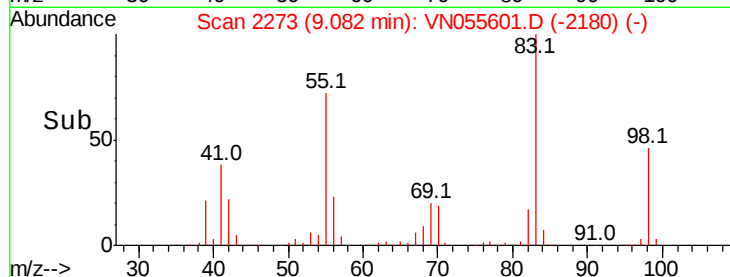
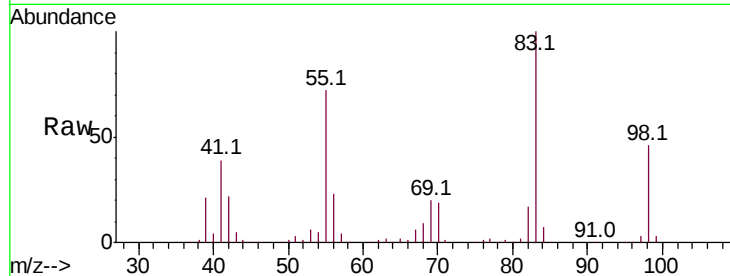
#39
Methvlcvclohexane
Concen: 49.387 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.8	86.6
98	45.9	36.7	55.1

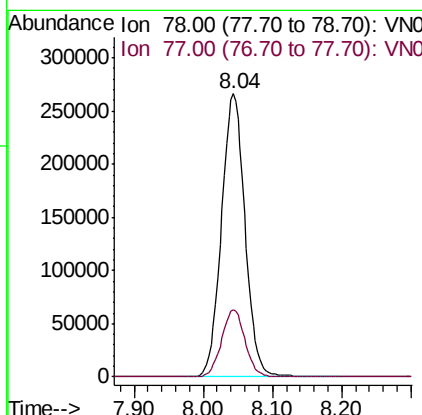
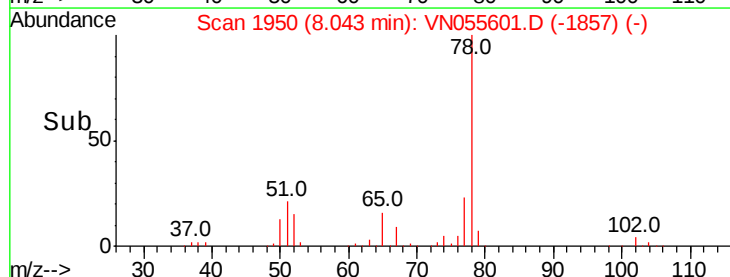
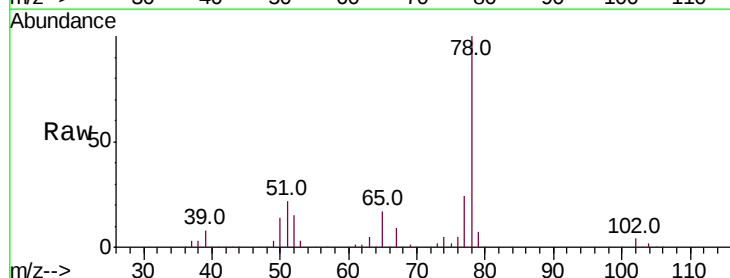
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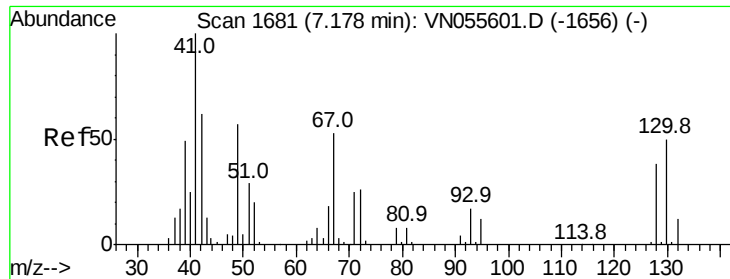
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5/20/2019 9:10:02 AM



#40
Benzene
Concen: 47.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41

Methacrylonitrile

Concen: 66.534 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055601.D

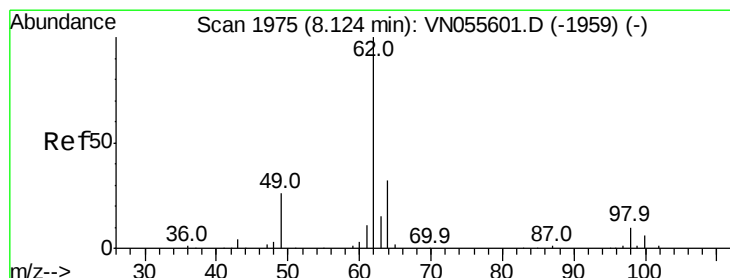
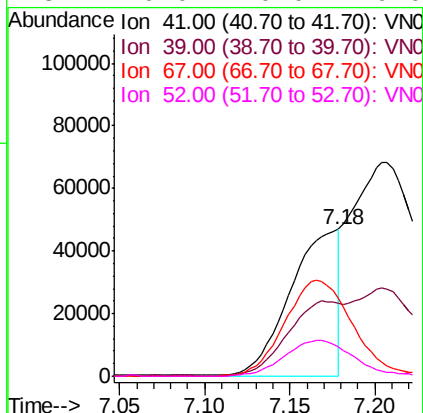
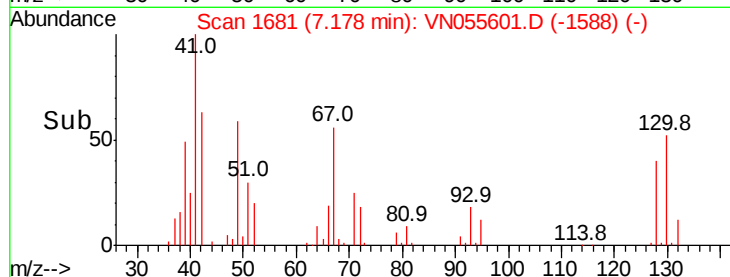
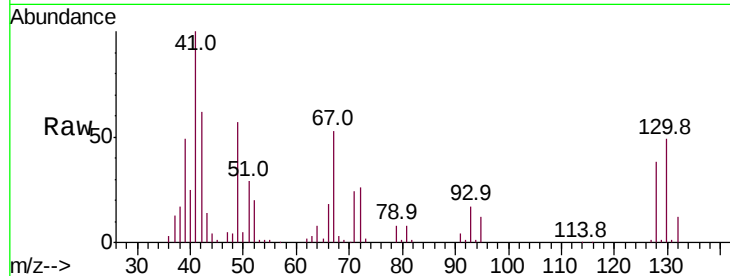
Acq: 17 May 2019 10:39

Tot Ion	41	Resp	93167
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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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5/20/2019 9:10:02 AM



#42

1,2-Dichloroethane

Concen: 51.600 ug/l

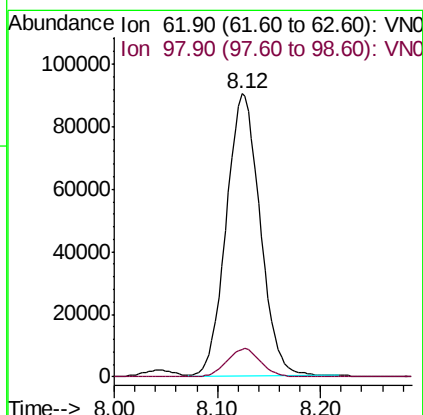
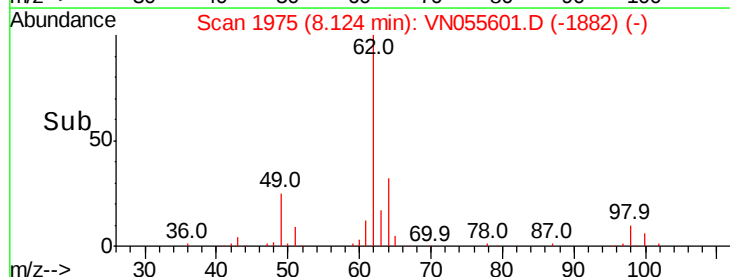
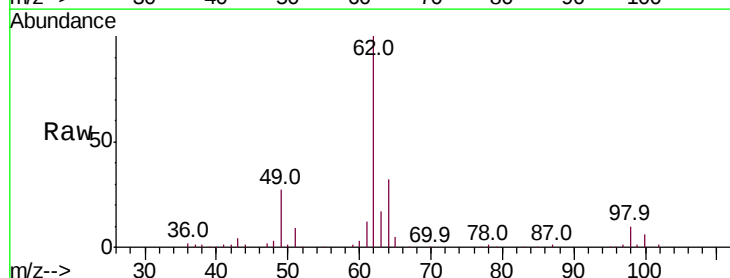
RT: 8.12 min Scan# 1975

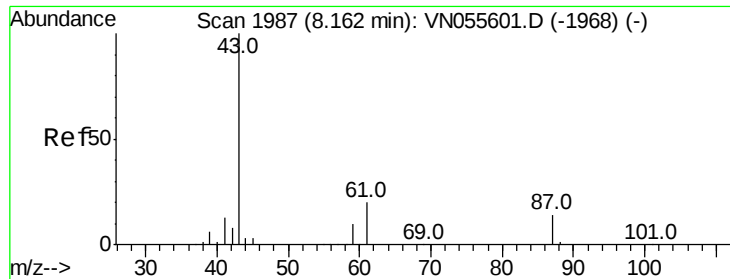
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion	62	Resp	207005
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 65.046 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

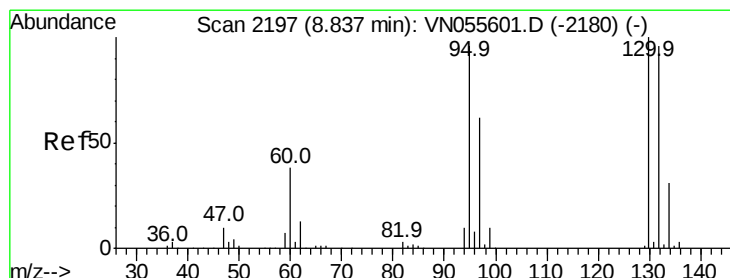
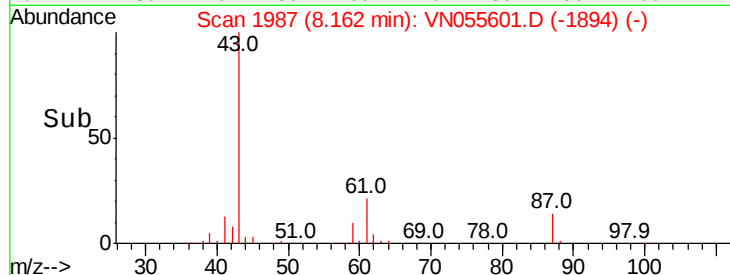
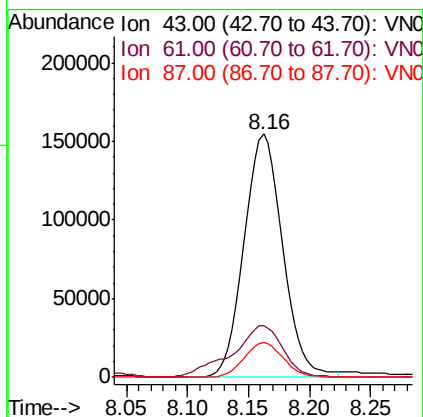
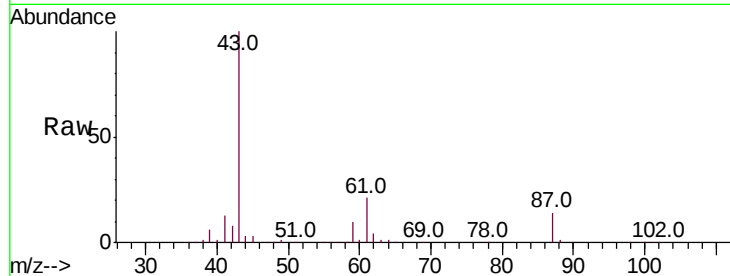
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	337152
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.1	33.1
87	14.7	11.8	17.6

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#44

Trichloroethene

Concen: 48.314 ug/l

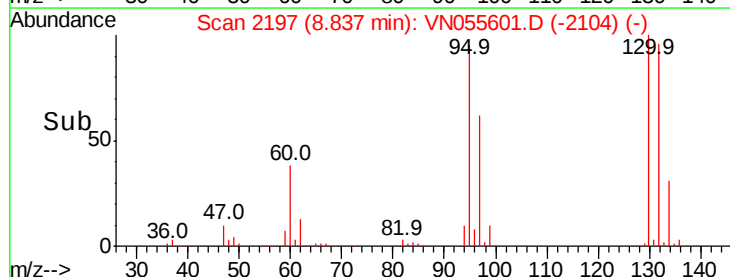
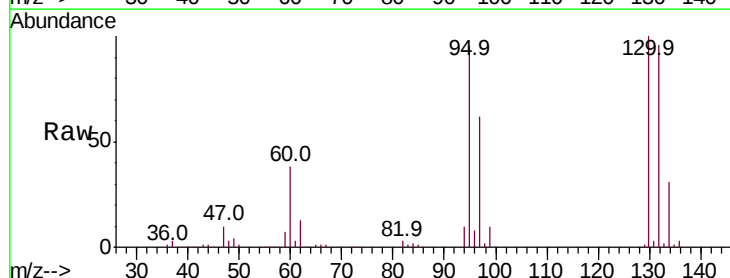
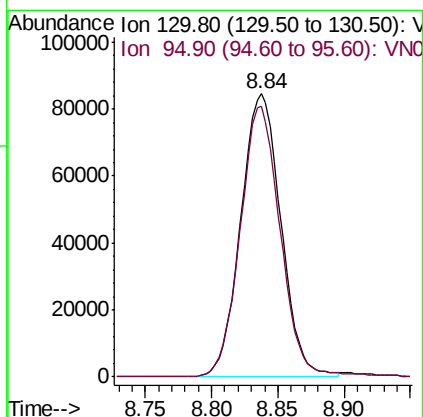
RT: 8.84 min Scan# 2197

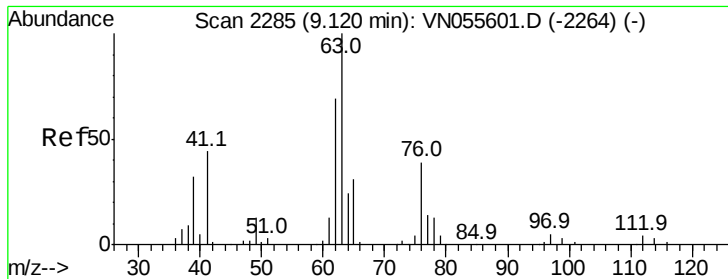
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion:	130	Resp:	178273
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 49.221 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 166369

Ion Ratio Lower Upper

63 100

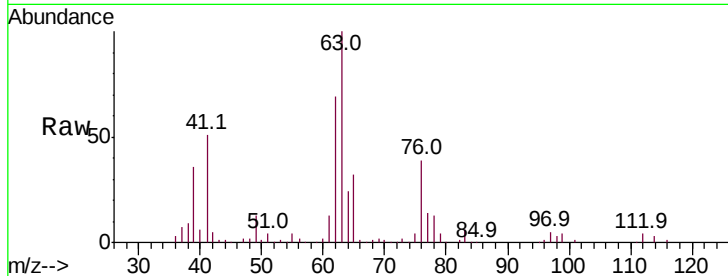
65 31.5 25.2 37.8

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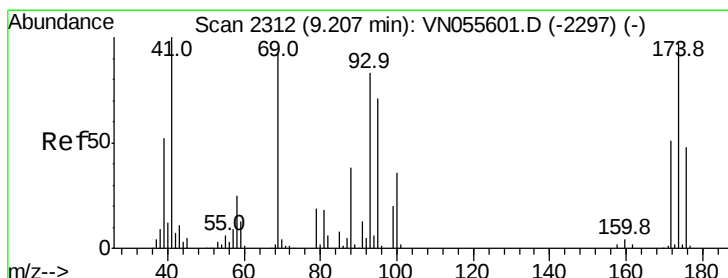
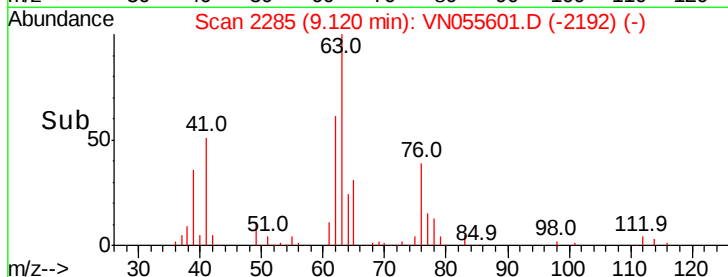
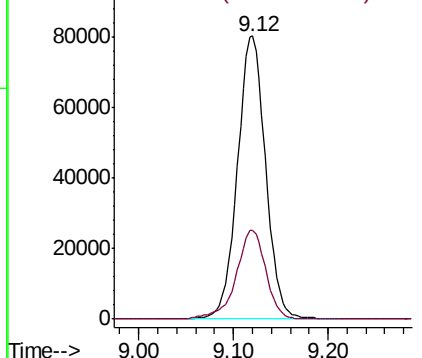
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.998 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

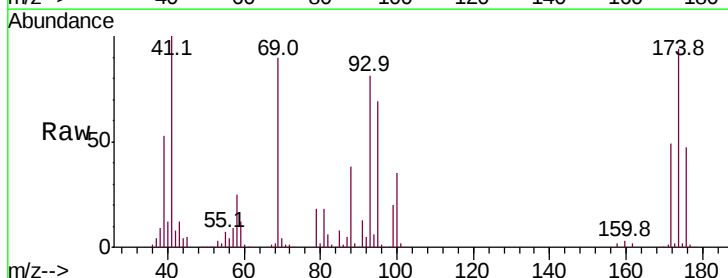
Tgt Ion: 93 Resp: 109390

Ion Ratio Lower Upper

93 100

95 84.9 67.9 101.9

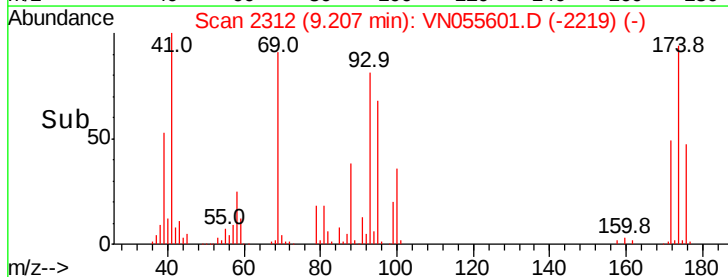
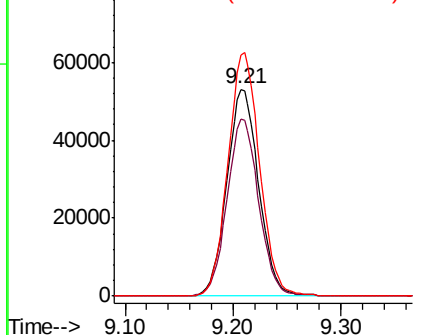
174 117.2 93.8 140.6

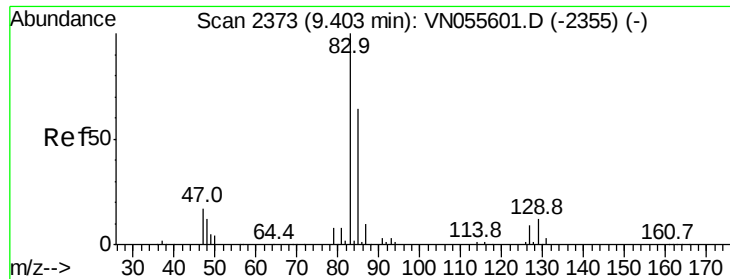


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.121 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

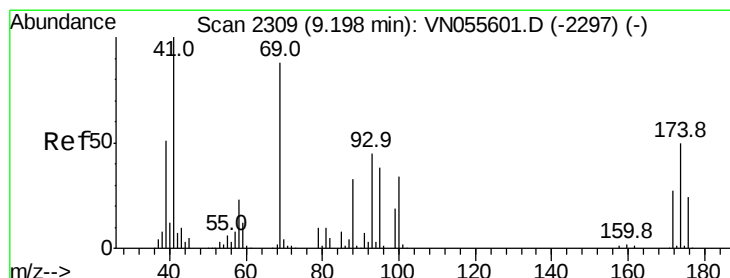
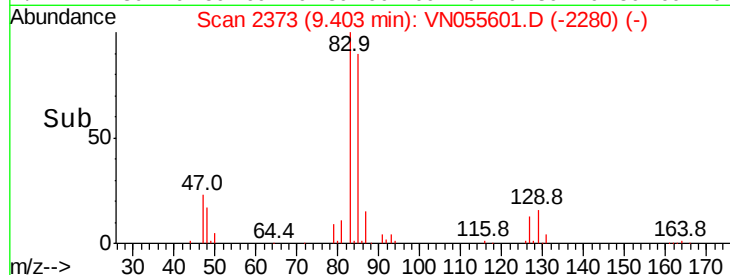
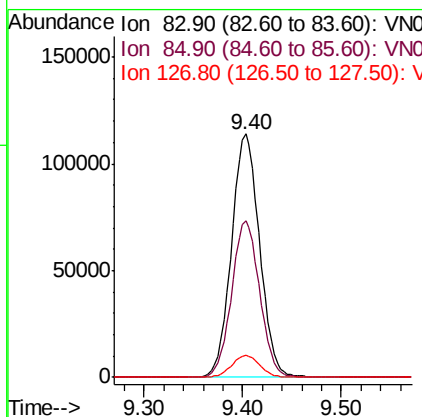
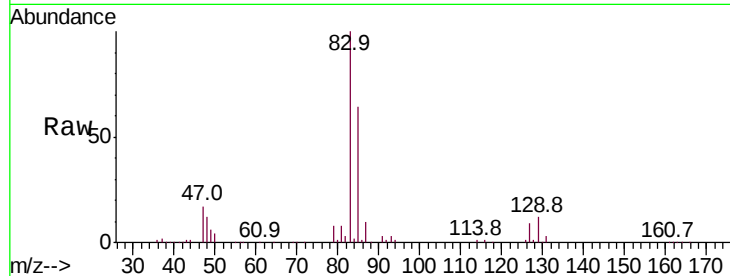
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	225792
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	8.9	7.1	10.7

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#48

Methyl methacrylate

Concen: 71.170 ug/l

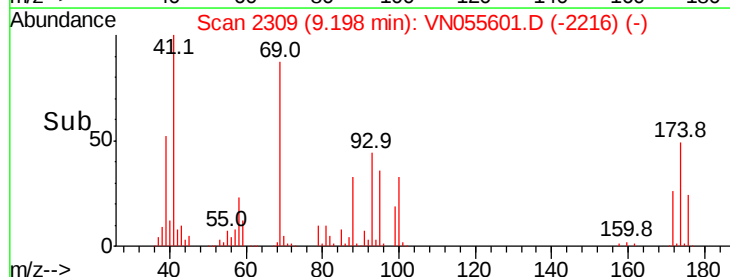
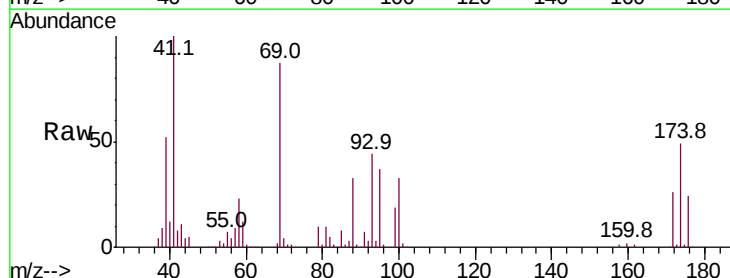
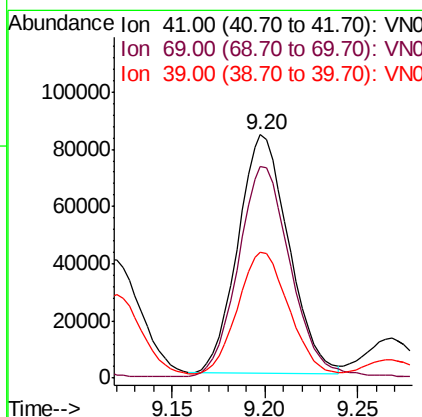
RT: 9.20 min Scan# 2309

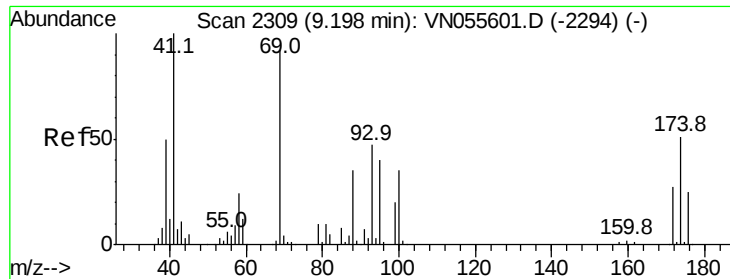
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion:	41	Resp:	158804
Ion Ratio	Lower	Upper	
41	100		
69	92.7	74.2	111.2
39	54.8	43.8	65.8





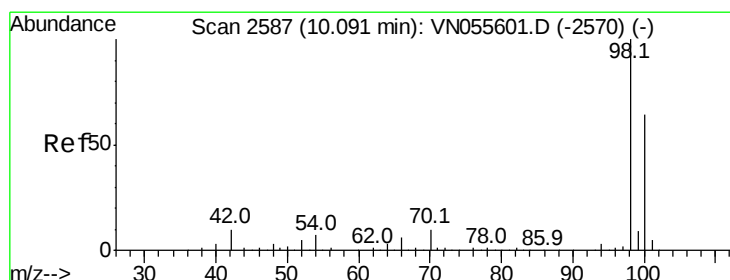
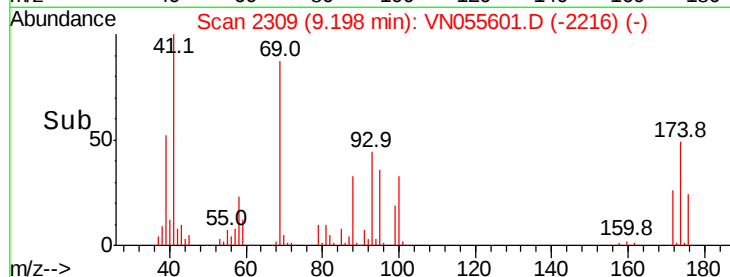
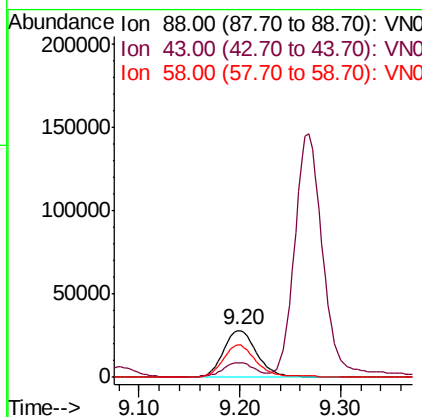
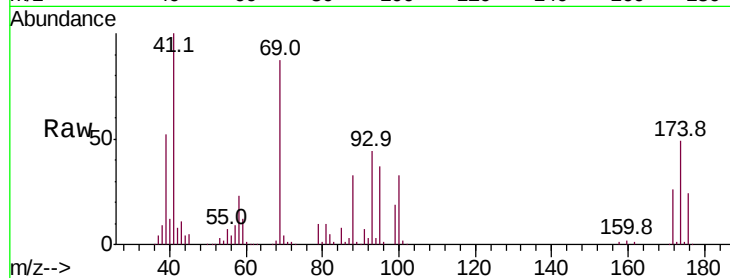
#49
1,4-Dioxane
Concen: 1818.448 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.4	33.6
58	66.8	53.4	80.2

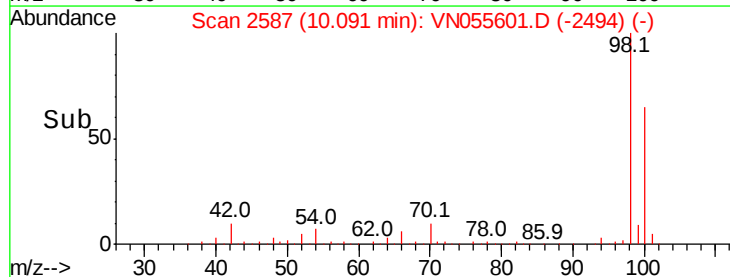
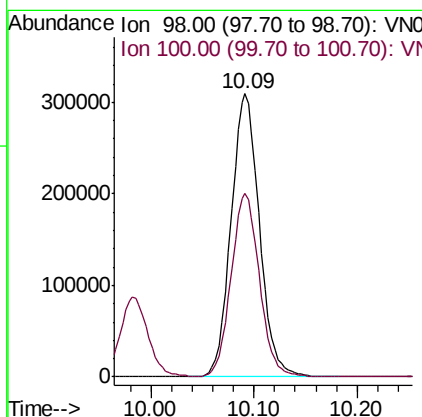
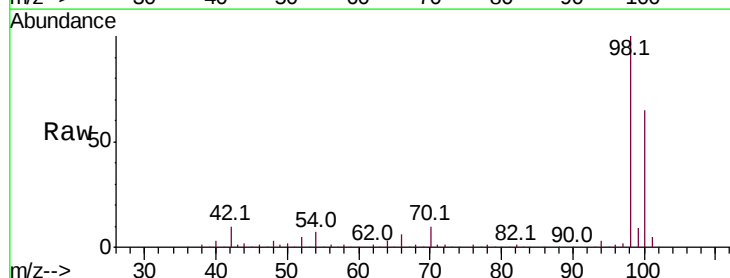
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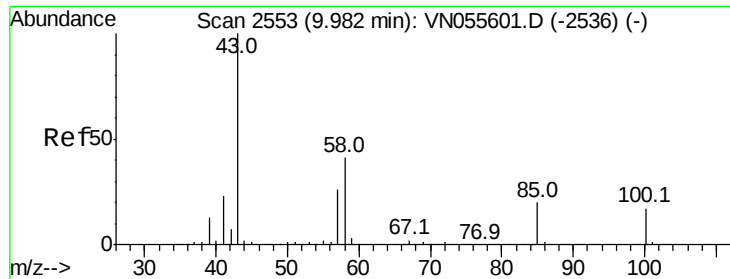
MMDadoda
5/20/2019 9:10:02 AM



#50
Toluene-d8
Concen: 51.358 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 399.739 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 987753

Ion Ratio Lower Upper

43 100

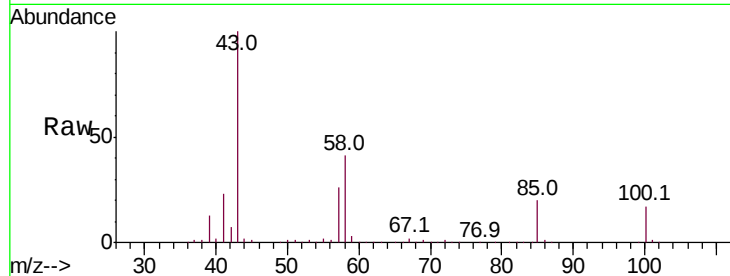
58 40.9 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

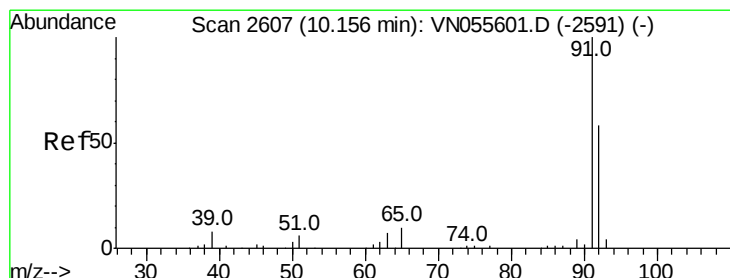
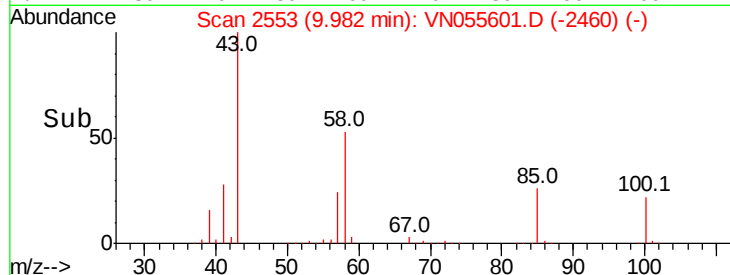
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.572 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055601.D

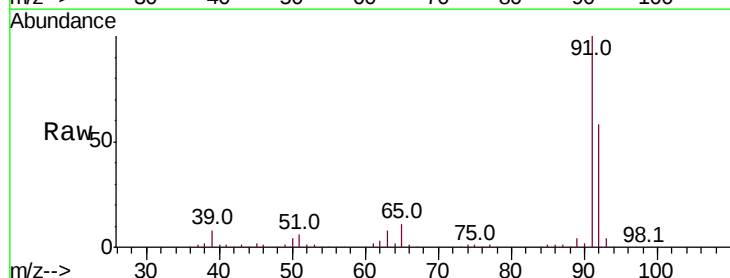
Acq: 17 May 2019 10:39

Tgt Ion: 92 Resp: 393519

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

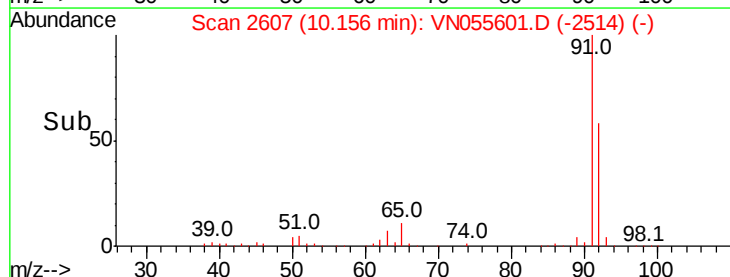
300000

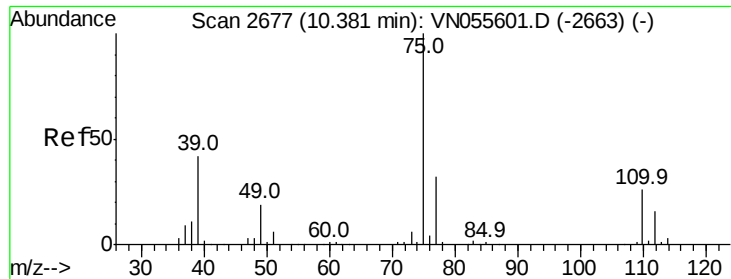
200000

100000

0

Time-->





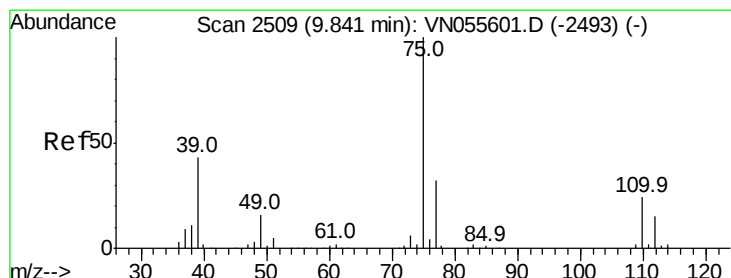
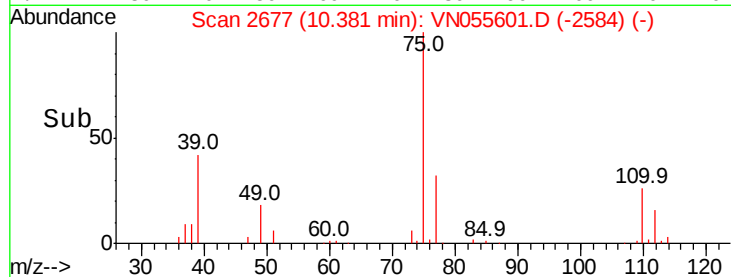
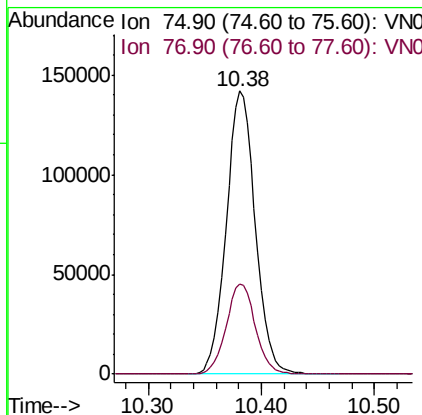
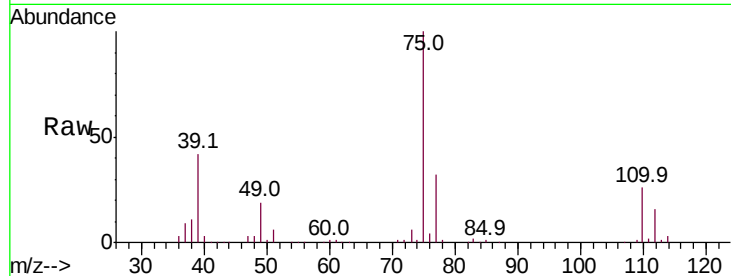
#53
t-1,3-Dichloropropene
Concen: 59.048 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 252371
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

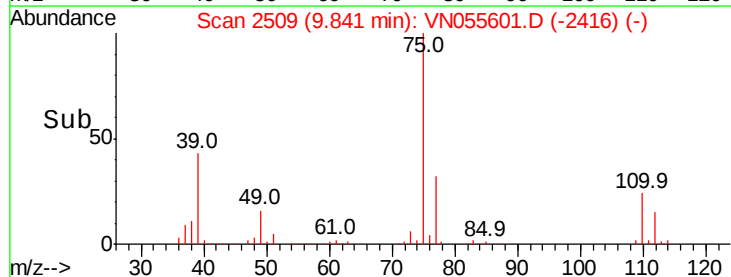
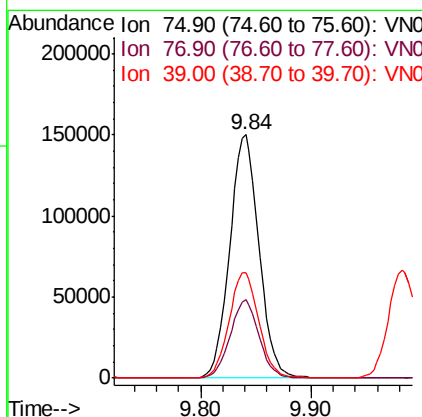
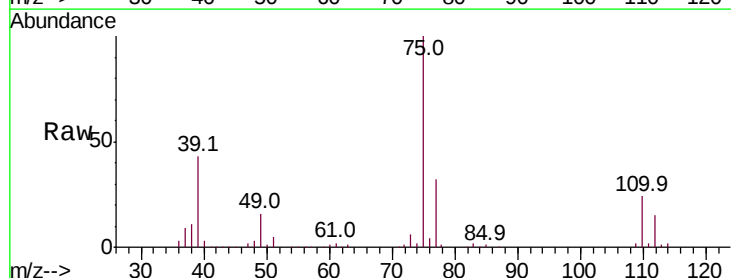
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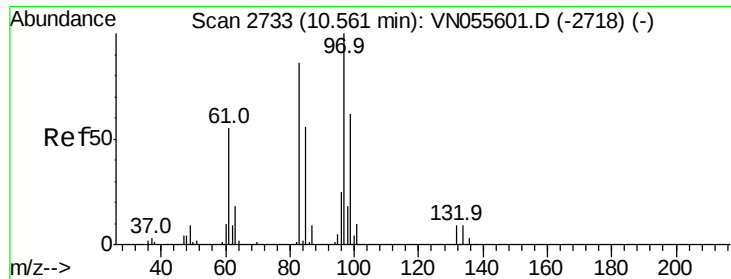
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#54
cis-1,3-Dichloropropene
Concen: 55.895 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 75 Resp: 275532
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 43.4 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 54.898 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 159508

Ion Ratio Lower Upper

97 100

83 85.5 68.4 102.6

85 56.0 44.8 67.2

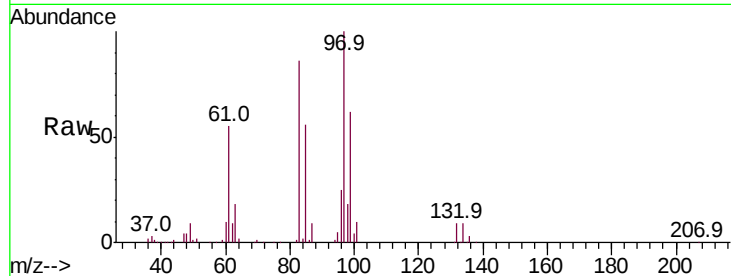
99 62.4 49.9 74.9

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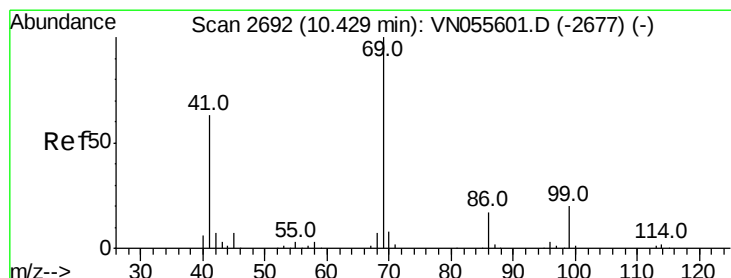
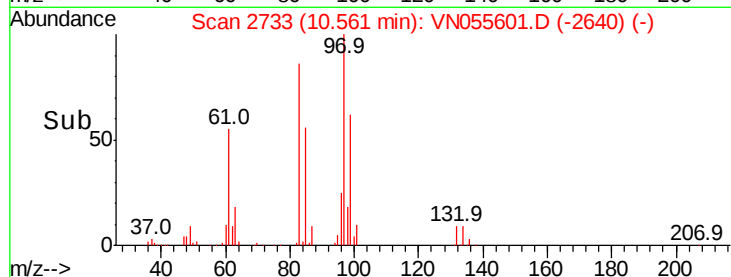
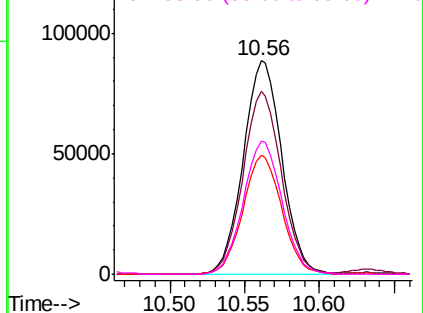


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 72.559 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

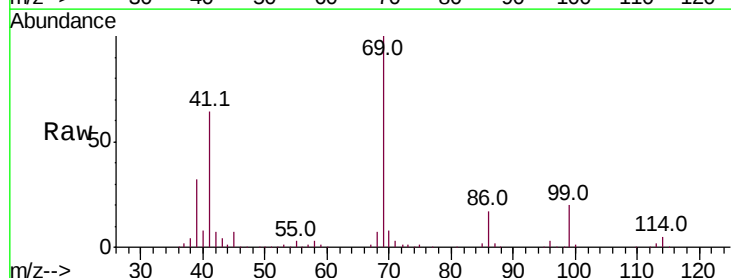
Tgt Ion: 69 Resp: 252087

Ion Ratio Lower Upper

69 100

41 62.9 50.3 75.5

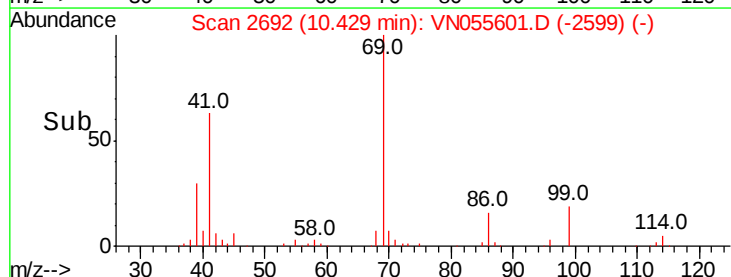
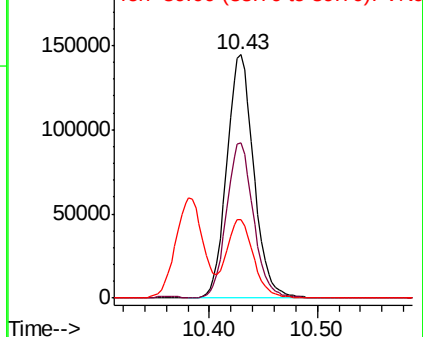
39 31.8 25.4 38.2

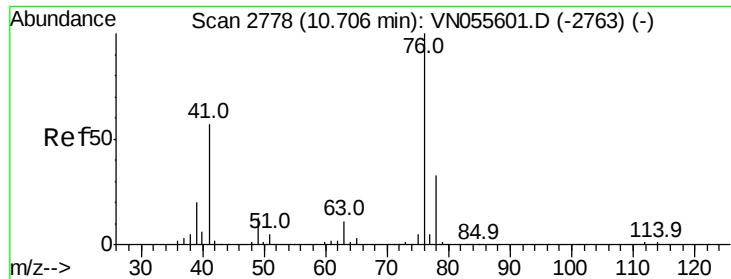


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 54.052 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 260125

Ion Ratio Lower Upper

76 100

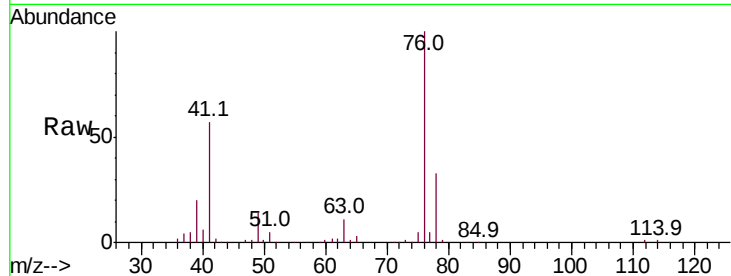
78 33.1 26.5 39.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

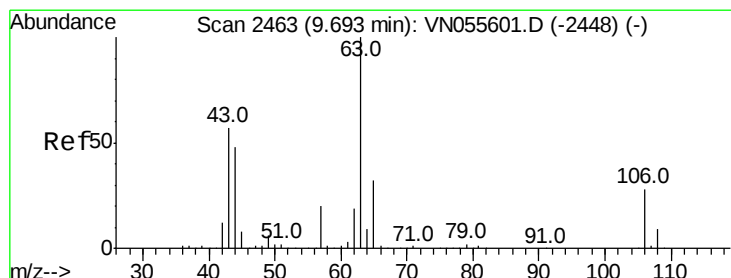
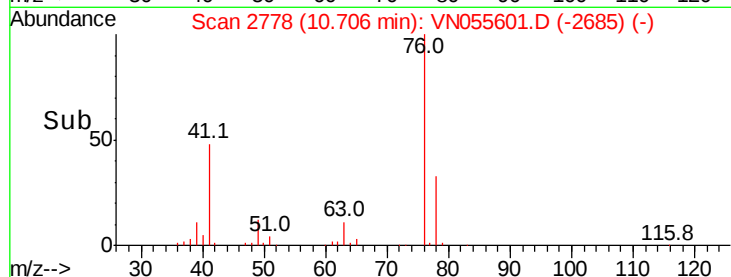
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 365.345 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055601.D

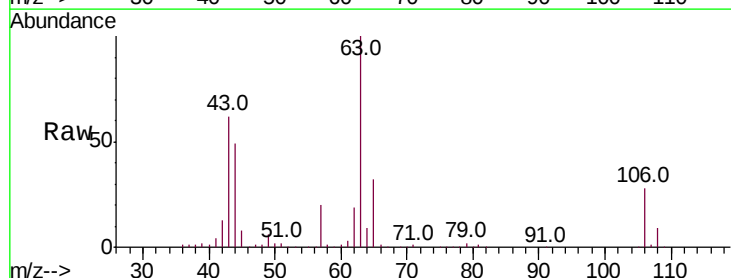
Acq: 17 May 2019 10:39

Tgt Ion: 63 Resp: 558959

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

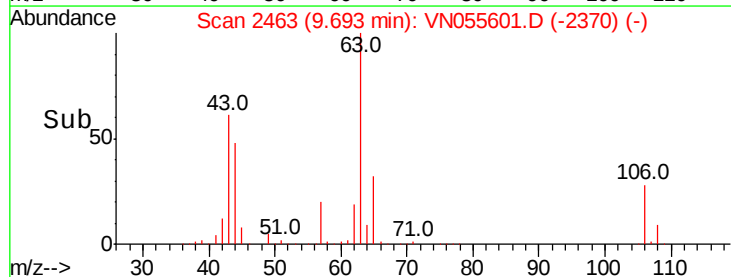
300000

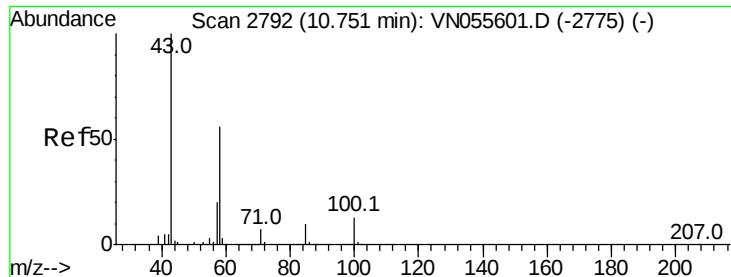
200000

100000

0

Time--> 9.60 9.70 9.80





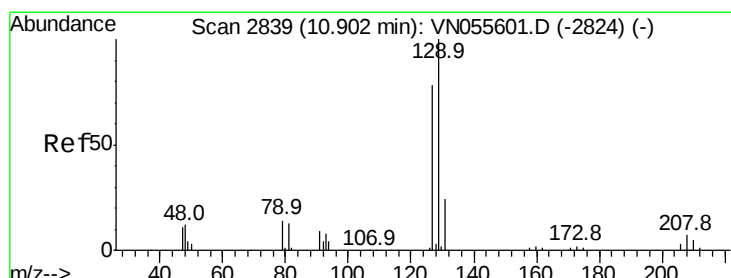
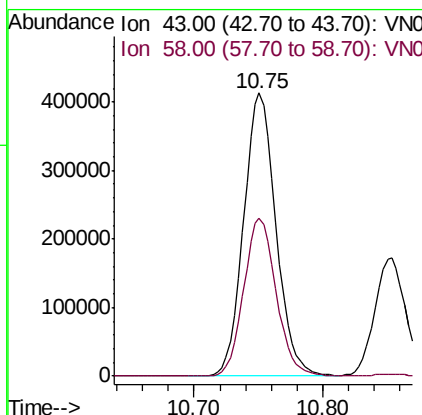
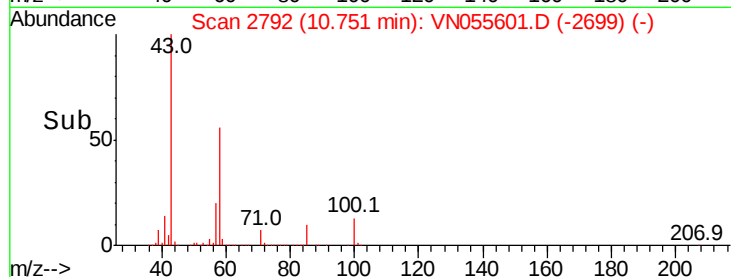
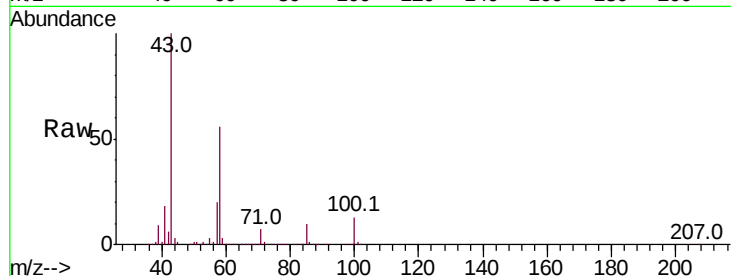
#59
2-Hexanone
Concen: 423.205 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 718695
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.4

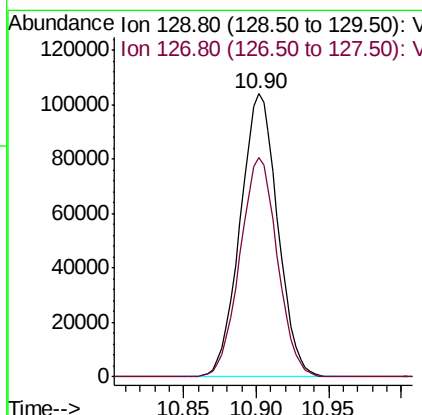
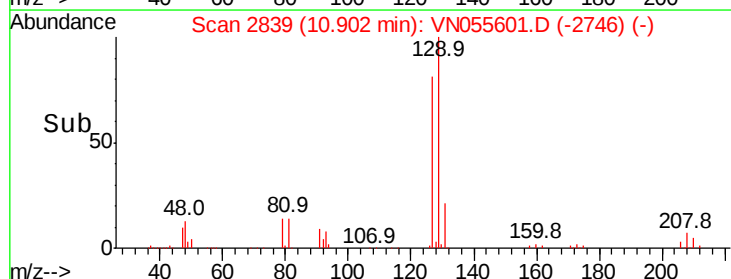
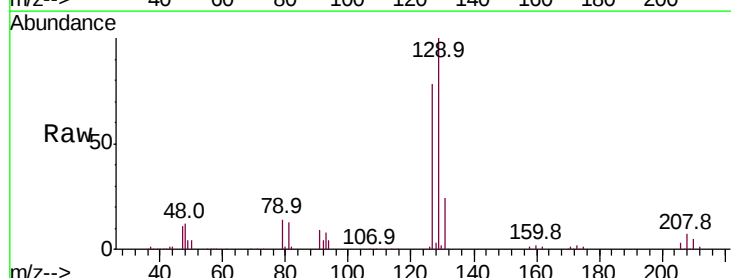
Manual Integrations
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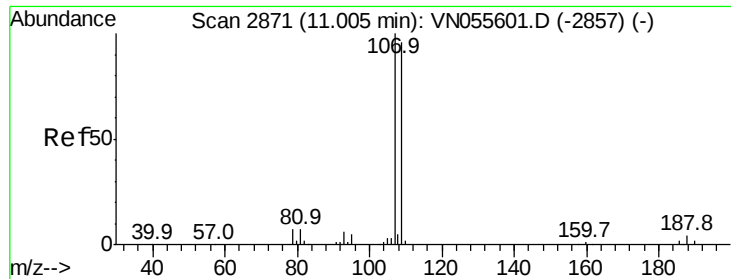
MMDadoda
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#60
Dibromochloromethane
Concen: 55.620 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 129 Resp: 187291
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.360 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:107 Resp: 165992

Ion Ratio Lower Upper

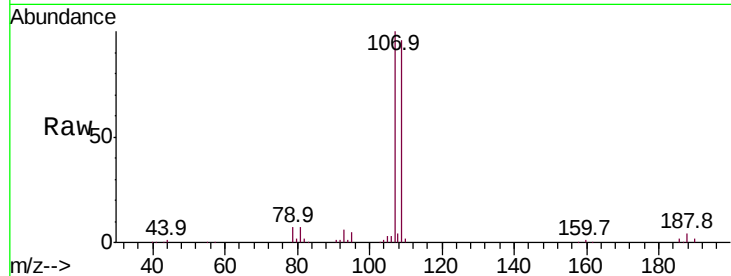
107 100

109 94.5 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

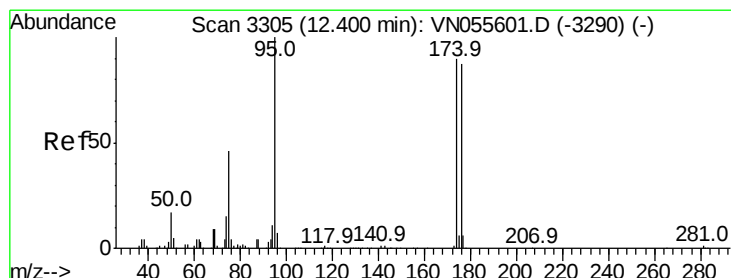
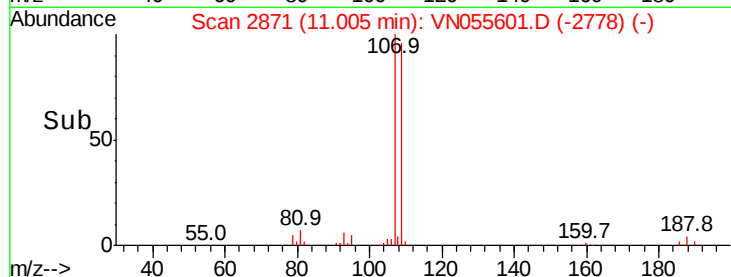
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.989 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

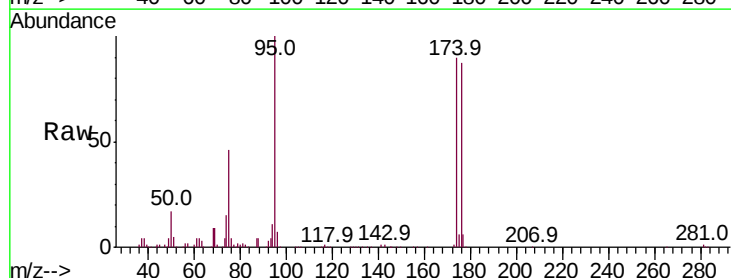
Tgt Ion: 95 Resp: 206132

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

176 88.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

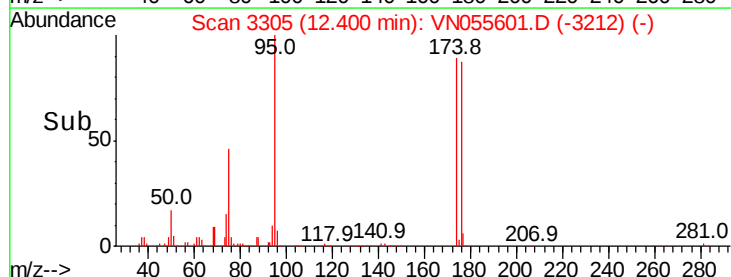
150000

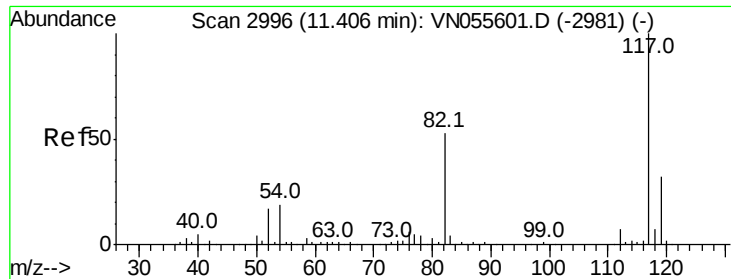
100000

50000

0

Time-->





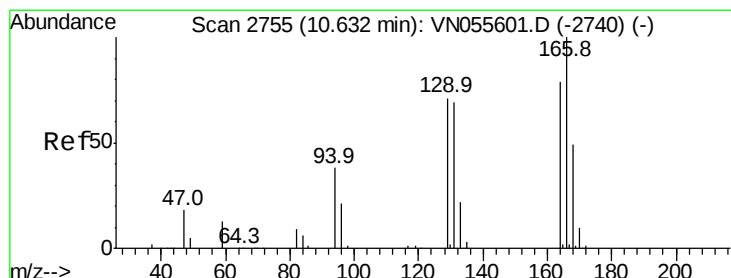
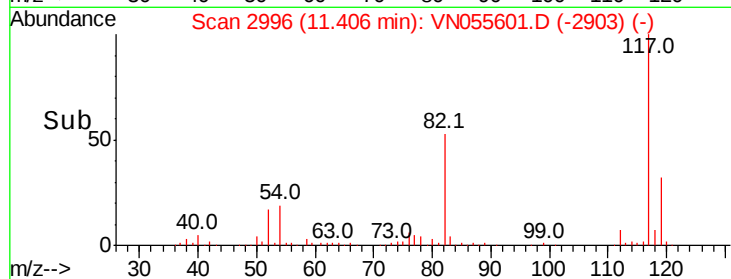
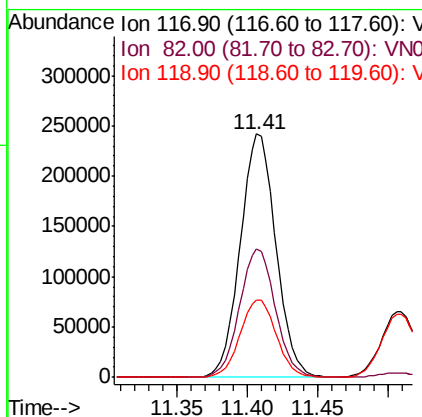
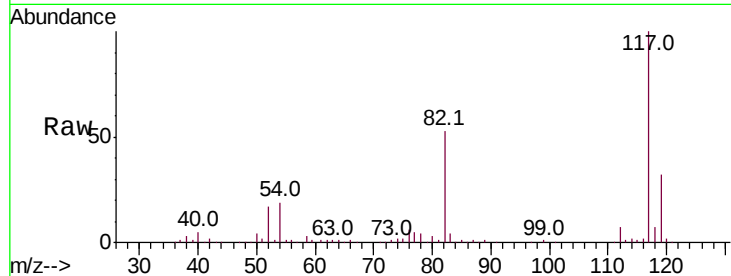
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.3	63.5
119	31.8	25.4	38.2

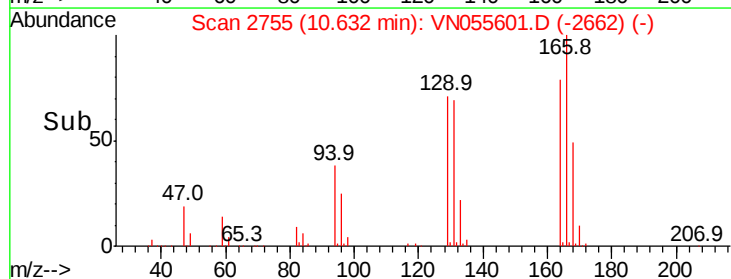
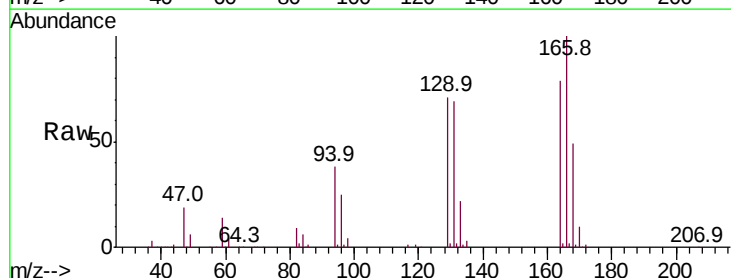
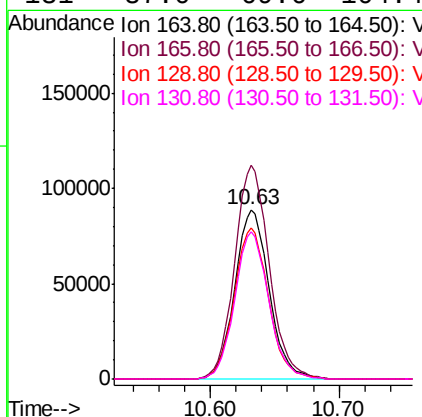
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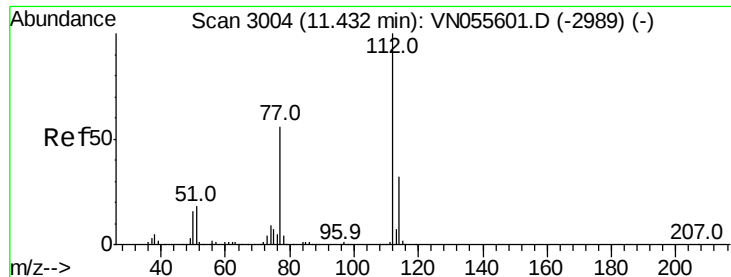
MMDadoda
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#64
Tetrachloroethene
Concen: 43.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	89.6	71.7	107.5
131	87.0	69.6	104.4





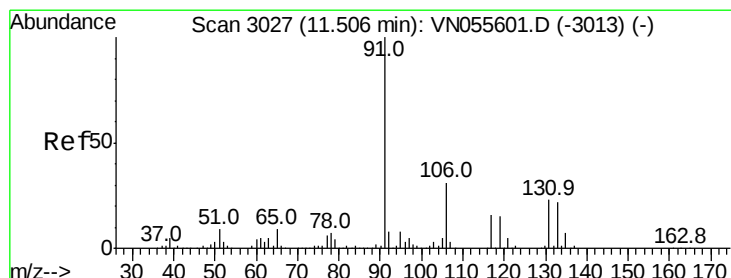
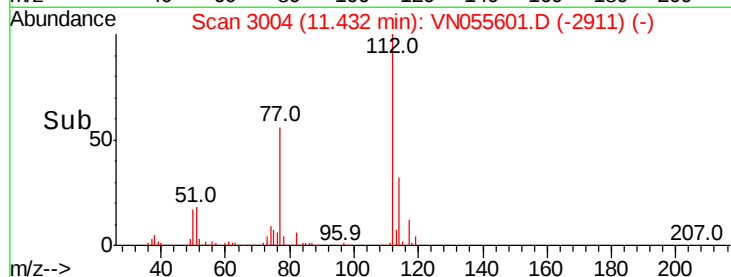
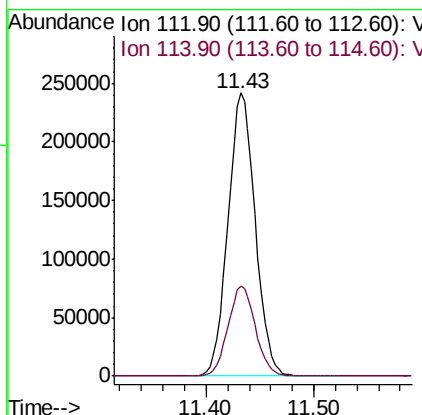
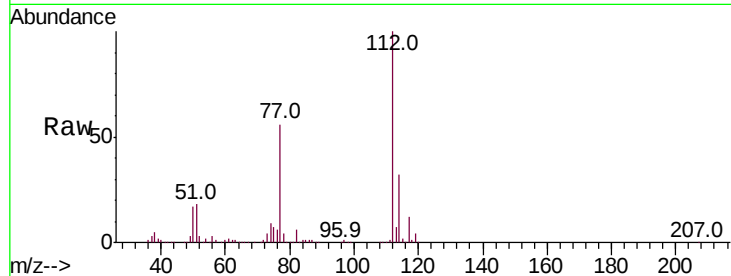
#65
Chlorobenzene
Concen: 47.436 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 424928
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

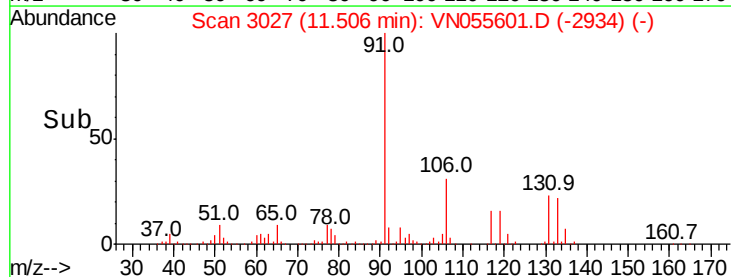
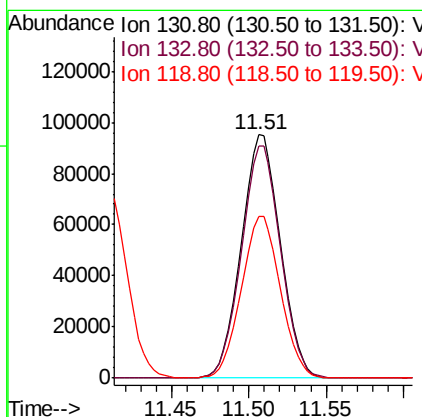
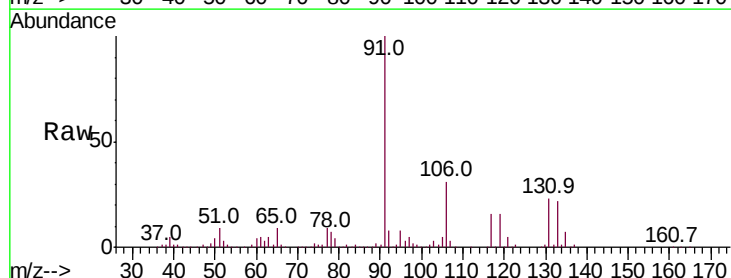
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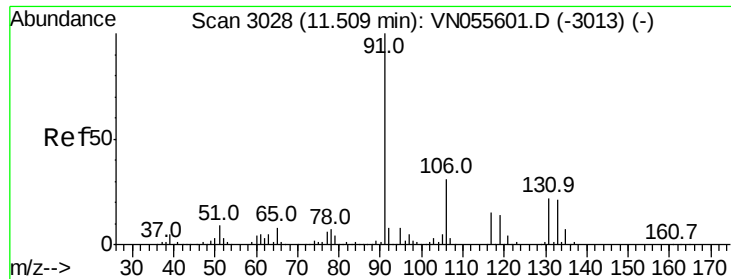
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.776 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion:131 Resp: 167501
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.4
119 66.5 33.3 99.8





#67

Ethyl Benzene

Concen: 50.988 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 744816

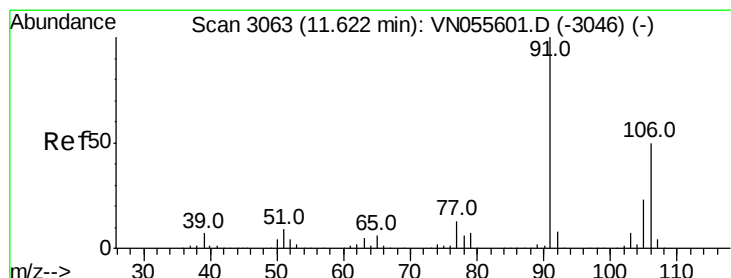
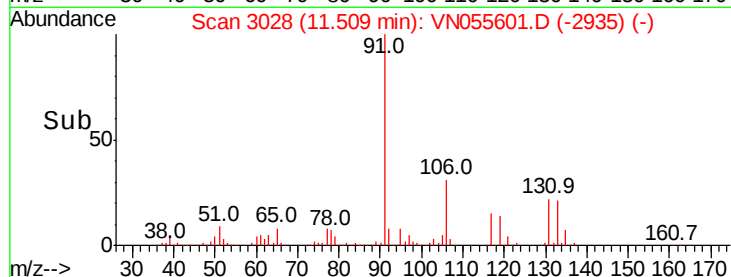
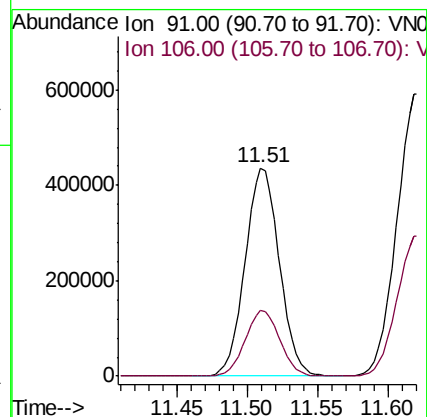
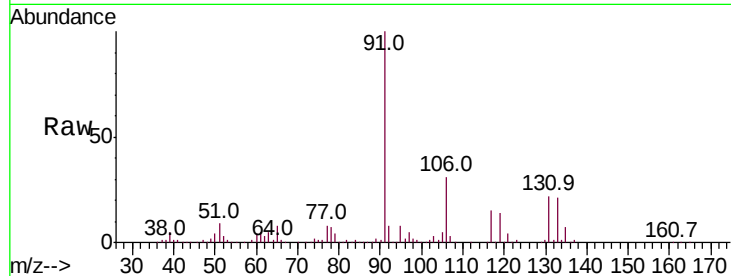
Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.892 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055601.D

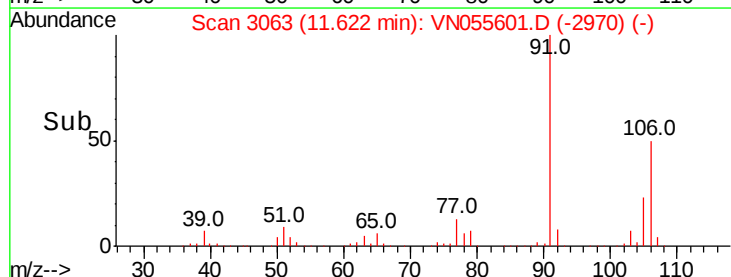
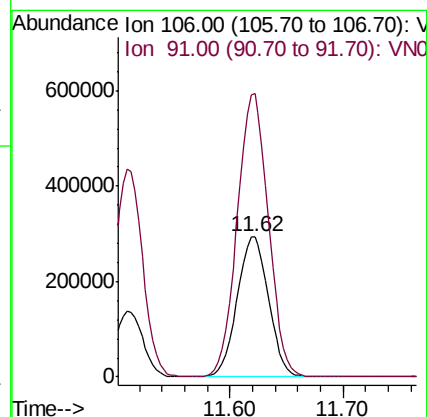
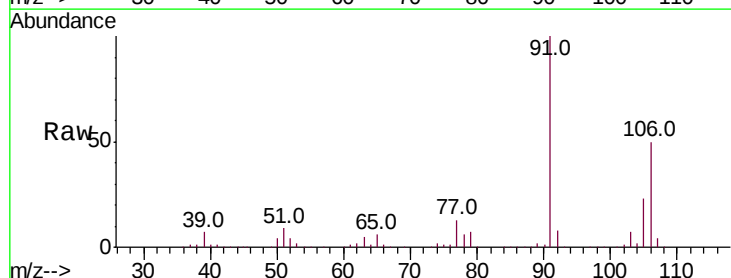
Acq: 17 May 2019 10:39

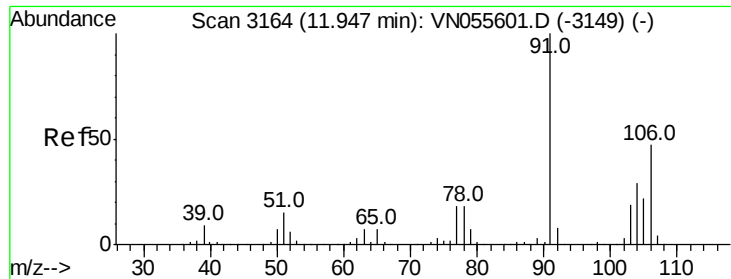
Tgt Ion: 106 Resp: 566941

Ion Ratio Lower Upper

106 100

91 200.6 160.5 240.7





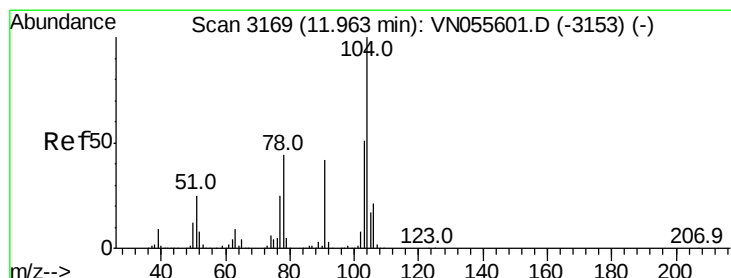
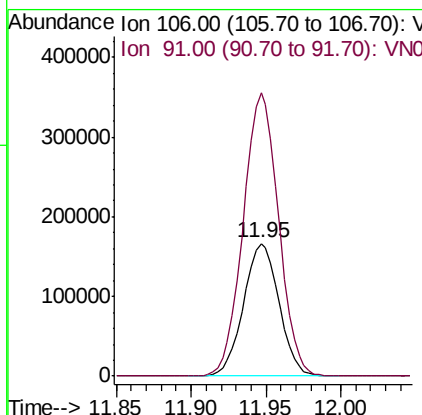
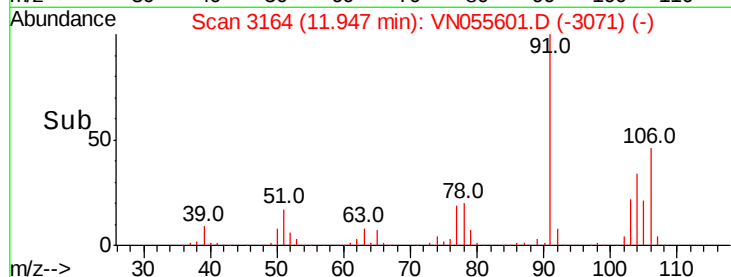
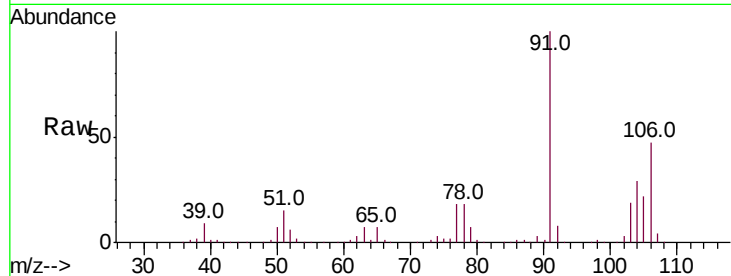
#69
o-Xylene
Concen: 50.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 274063
Ion Ratio Lower Upper
106 100
91 213.5 106.7 320.2

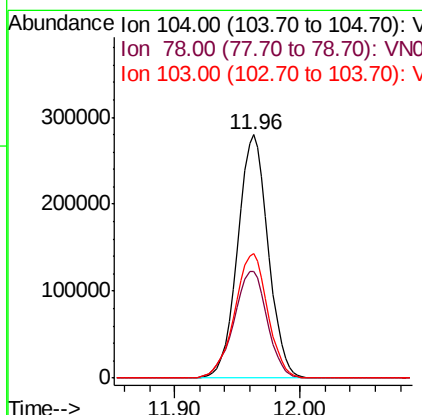
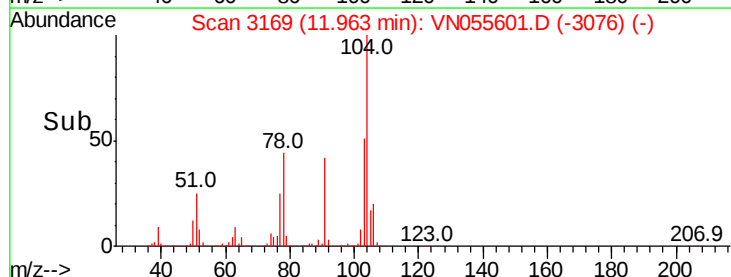
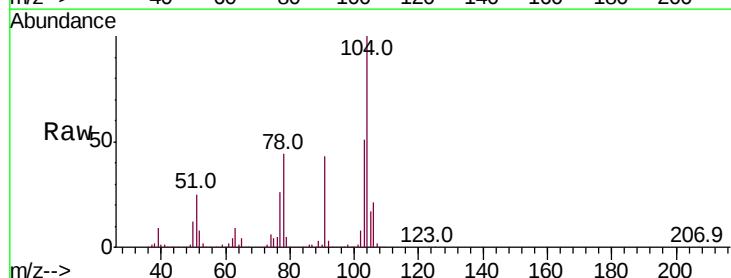
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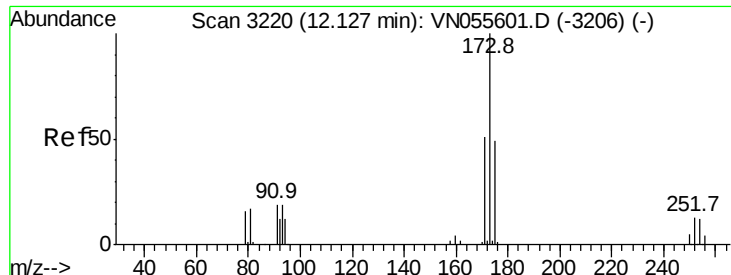
MMDadoda
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#70
Styrene
Concen: 55.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion:104 Resp: 472518
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.5 44.4 66.6





#71

Bromoform

Concen: 61.003 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:173 Resp: 148610

Ion Ratio Lower Upper

173 100

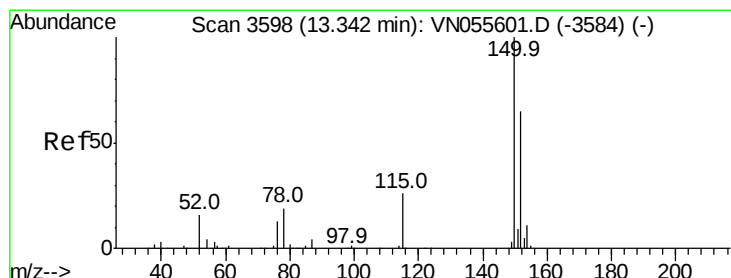
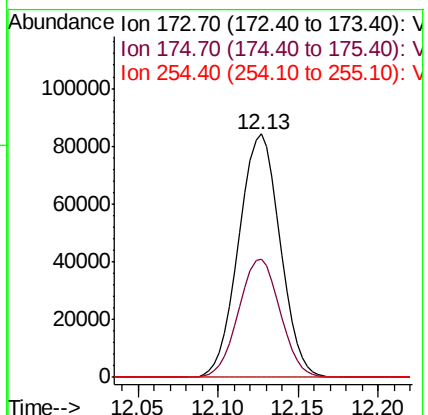
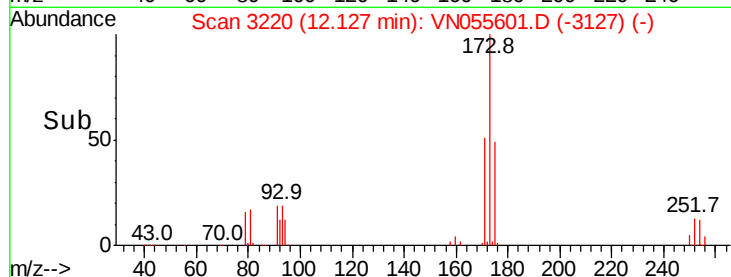
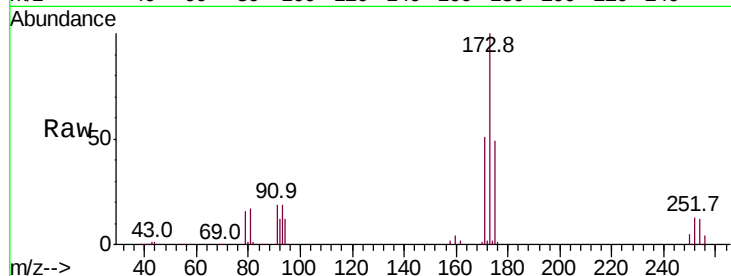
175 48.6 24.3 72.9

254 0.1 0.1 0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

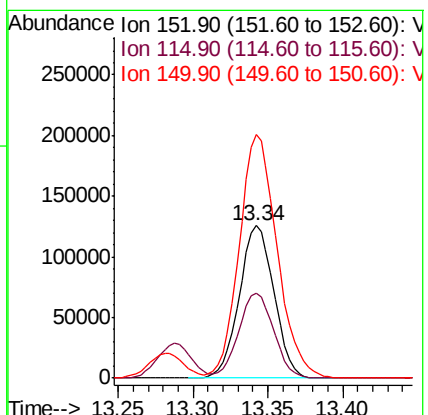
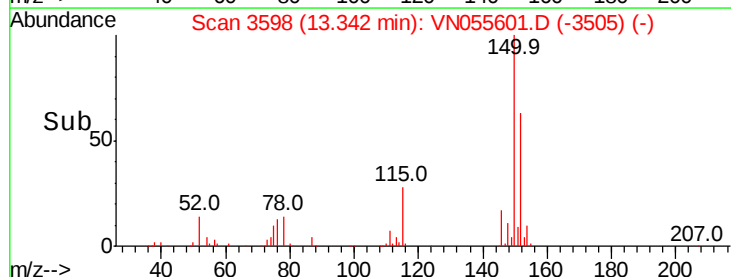
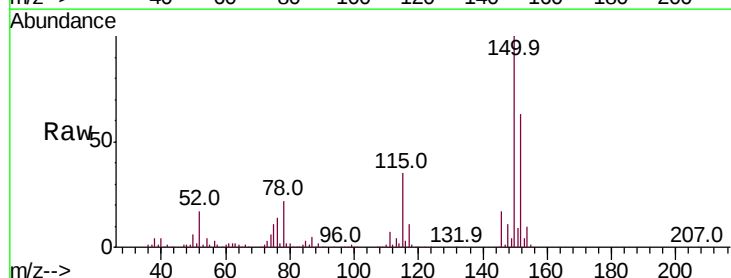
Tgt Ion:152 Resp: 202857

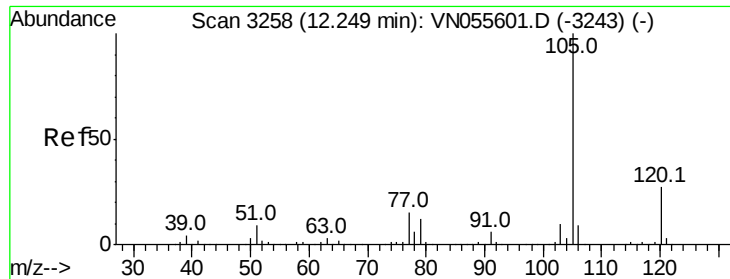
Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 174.0 0.0 348.0





#73

Isopropylbenzene

Concen: 50.587 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 726970

Ion Ratio Lower Upper

105 100

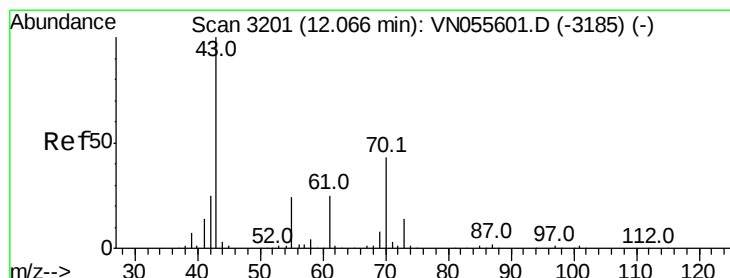
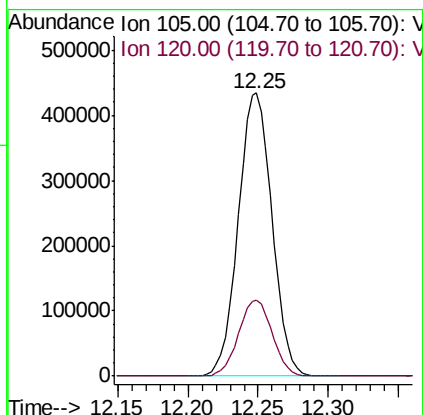
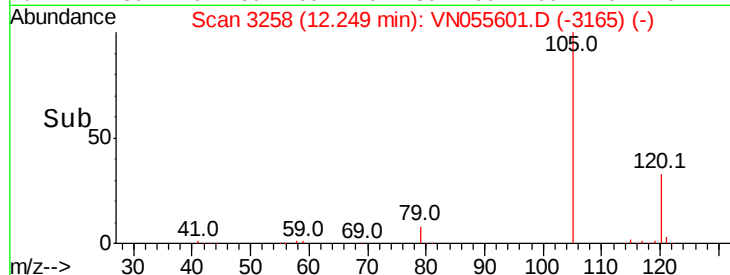
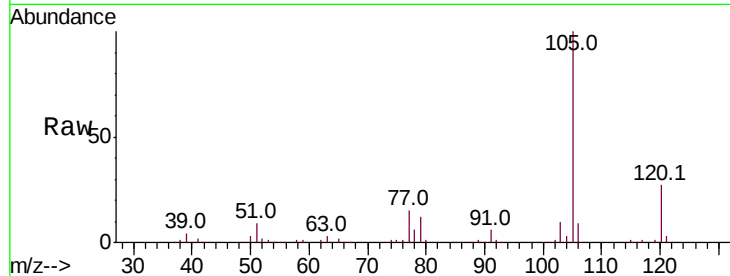
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 77.246 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion: 43 Resp: 283388

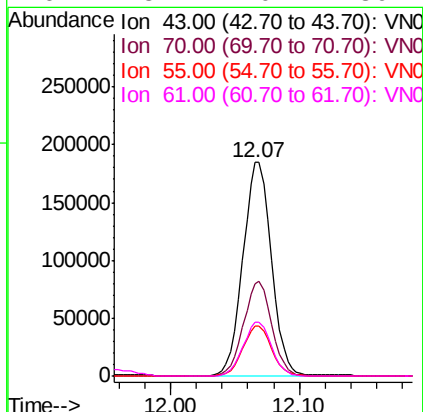
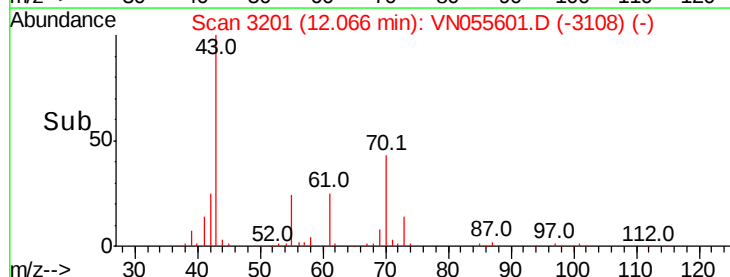
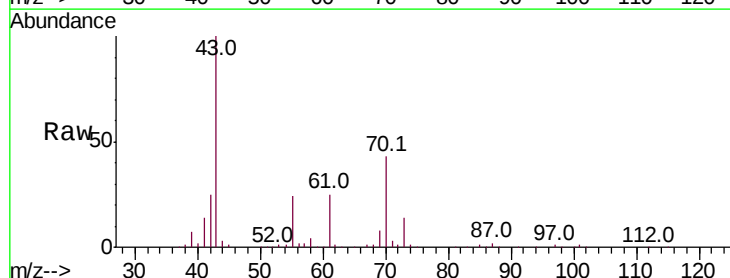
Ion Ratio Lower Upper

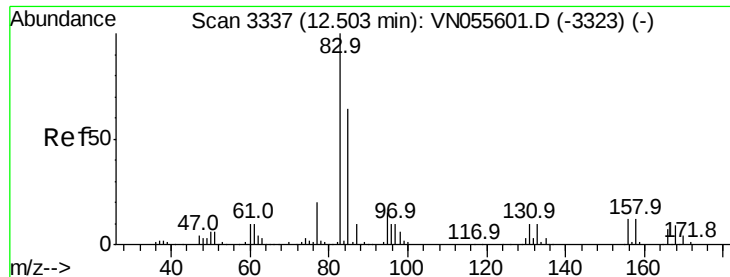
43 100

70 43.8 35.0 52.6

55 23.6 18.9 28.3

61 25.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 62.985 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 226023

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

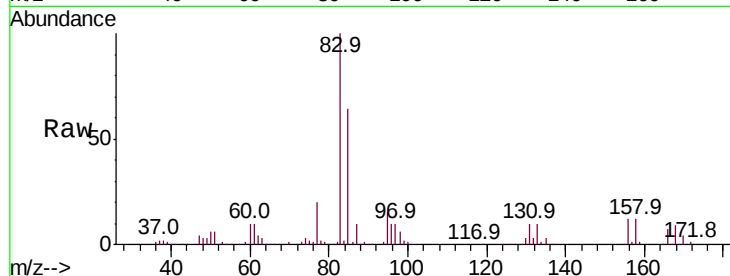
85 64.1 32.0 96.2

Manual Integrations

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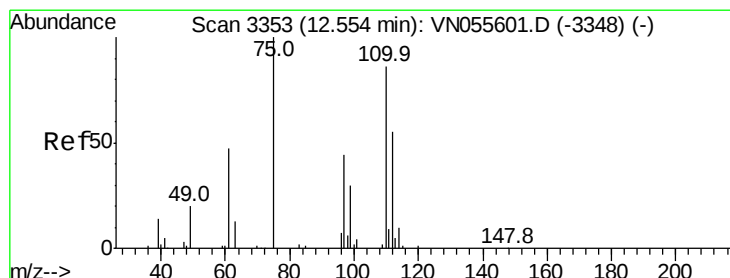
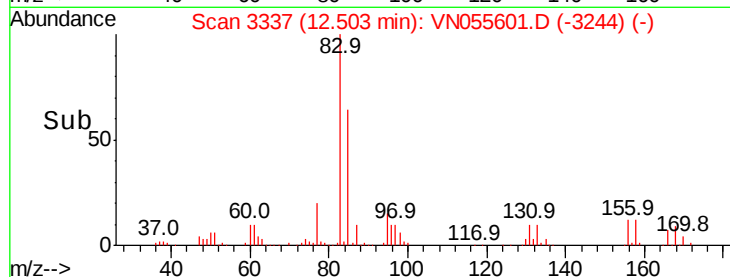
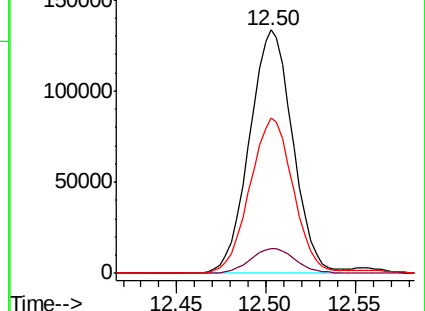
5/20/2019 9:10:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 59.326 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055601.D

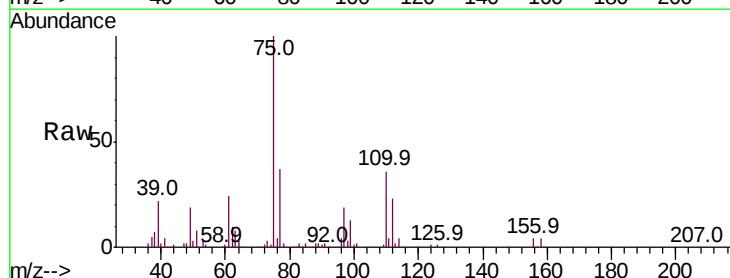
Acq: 17 May 2019 10:39

Tgt Ion: 75 Resp: 184902

Ion Ratio Lower Upper

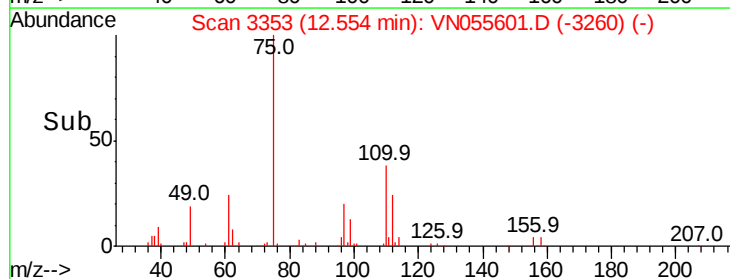
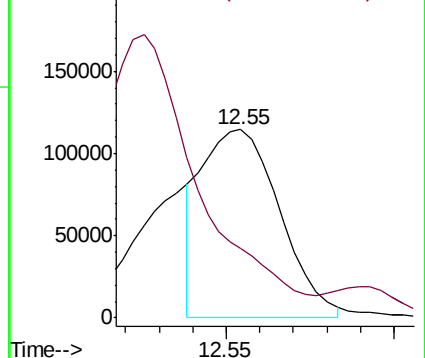
75 100

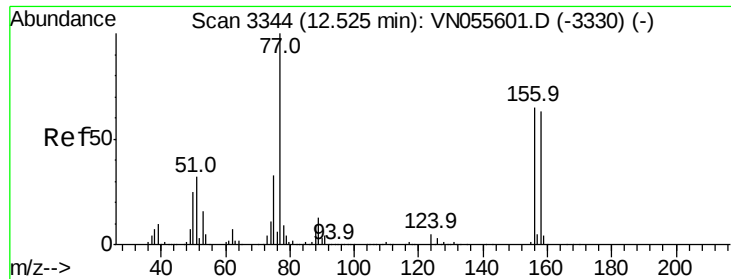
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

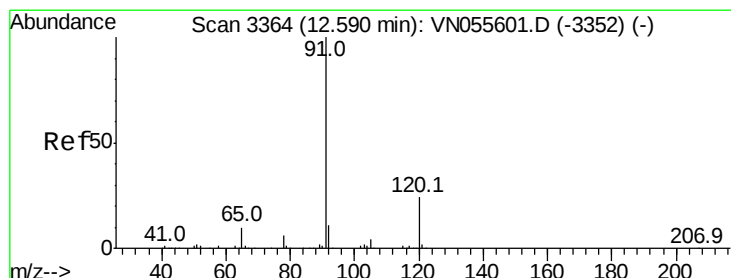
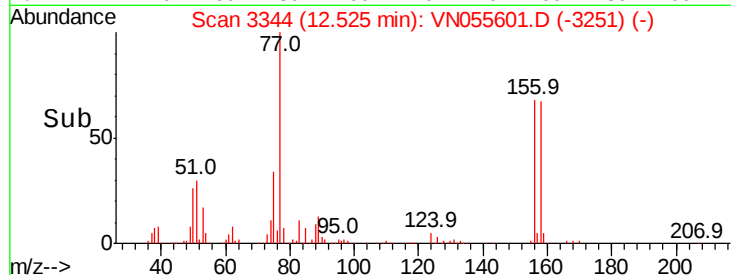
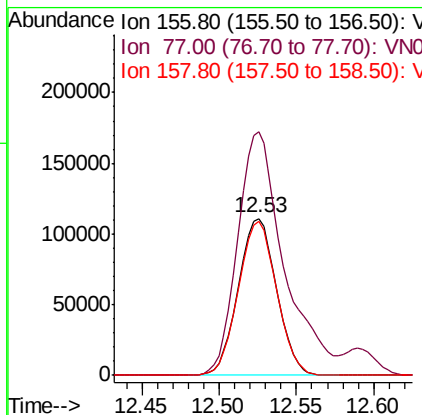
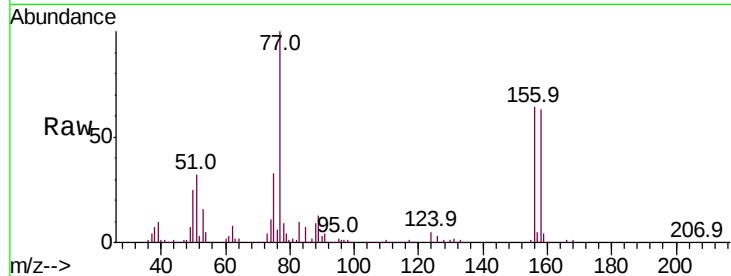
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	191088
Ion Ratio	Lower	Upper	
156	100		
77	189.0	94.5	283.5
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 51.107 ug/l

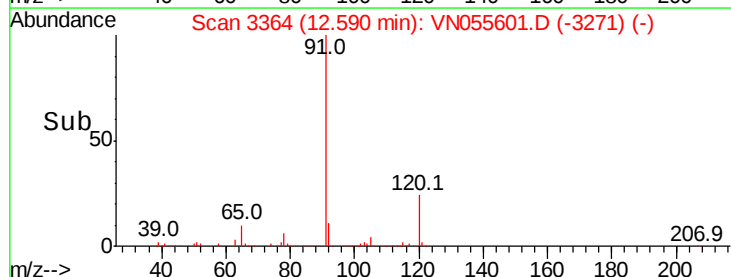
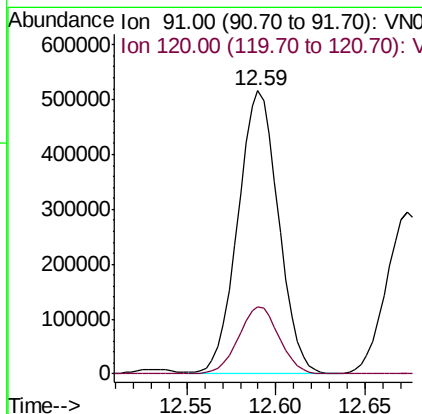
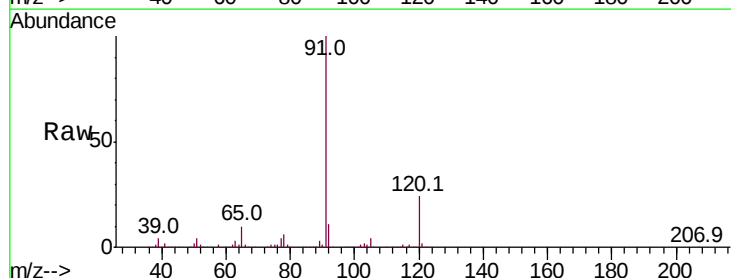
RT: 12.59 min Scan# 3364

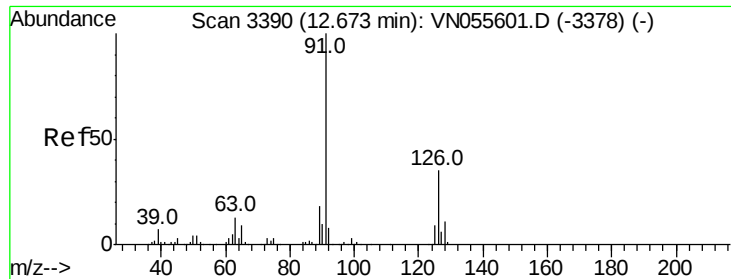
Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion:	91	Resp:	817202
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.279 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 485984

Ion Ratio Lower Upper

91 100

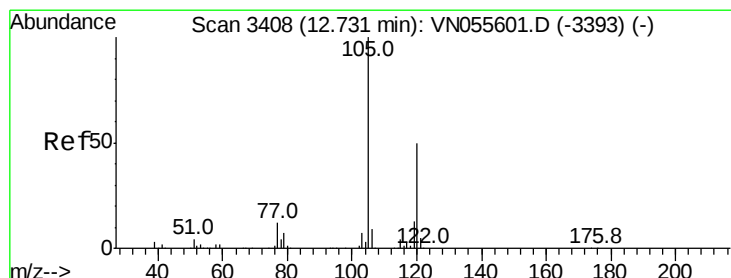
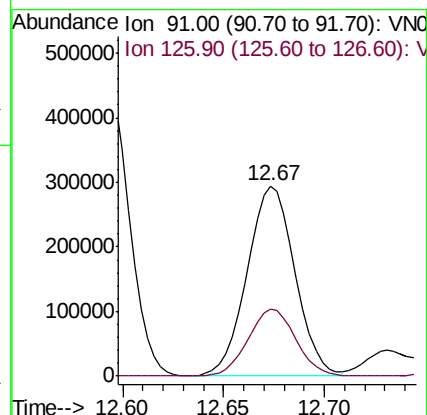
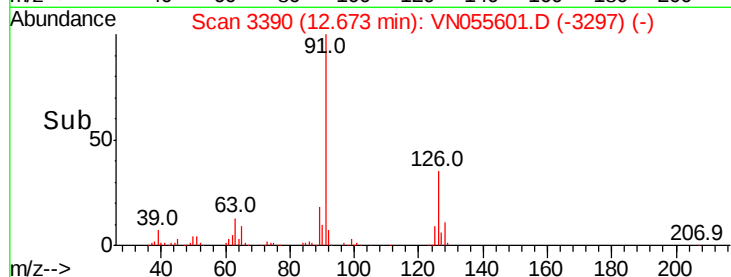
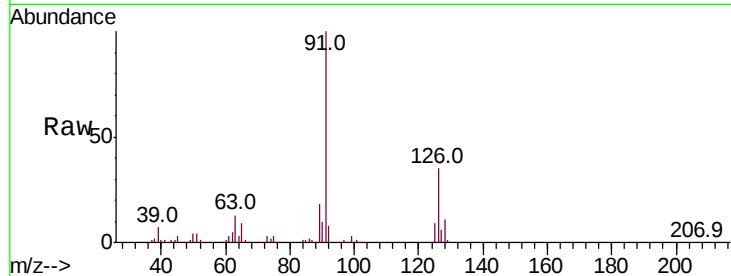
126 35.6 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.977 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055601.D

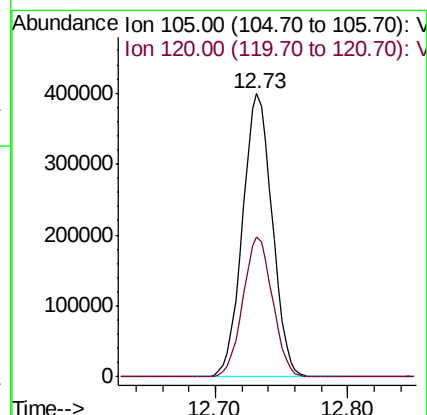
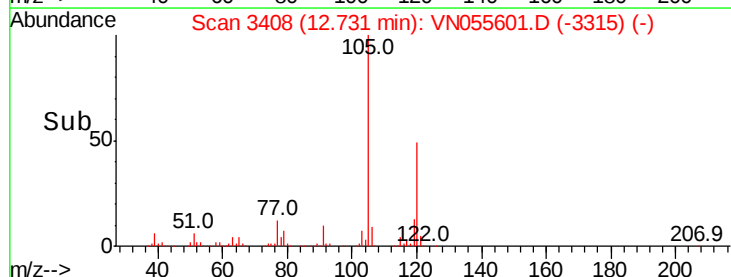
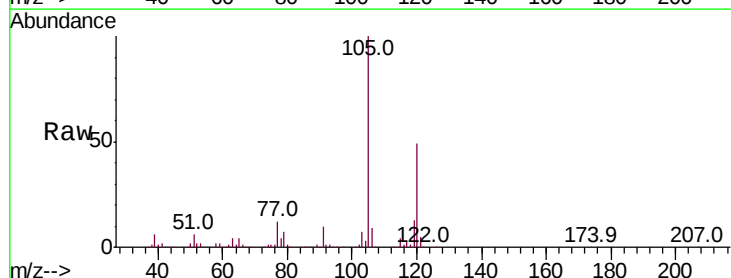
Acq: 17 May 2019 10:39

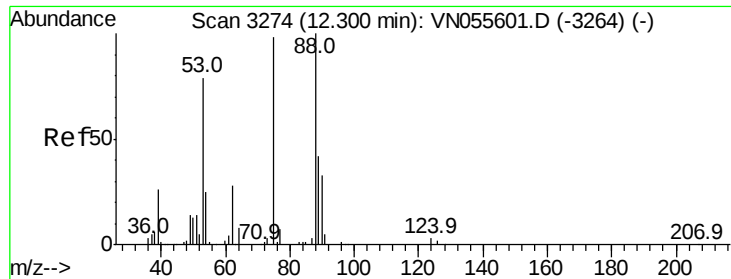
Tgt Ion: 105 Resp: 619400

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





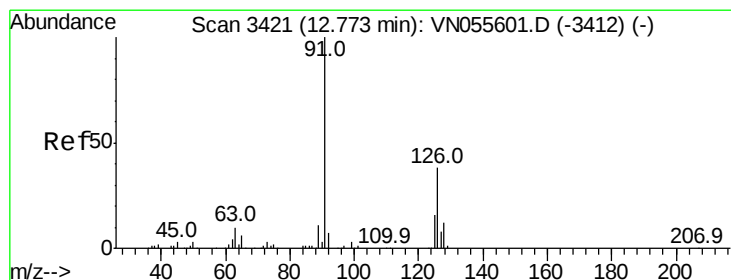
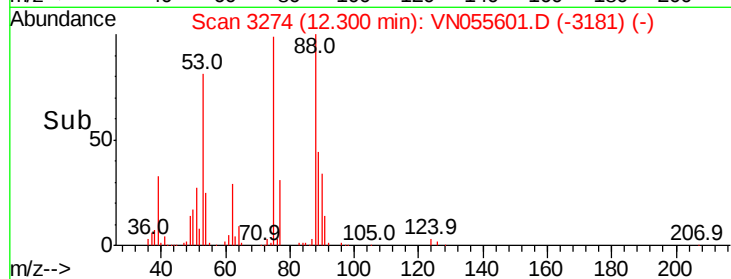
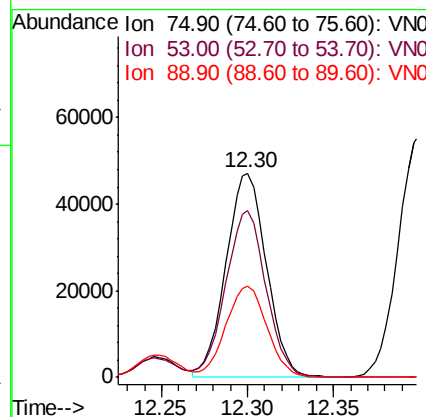
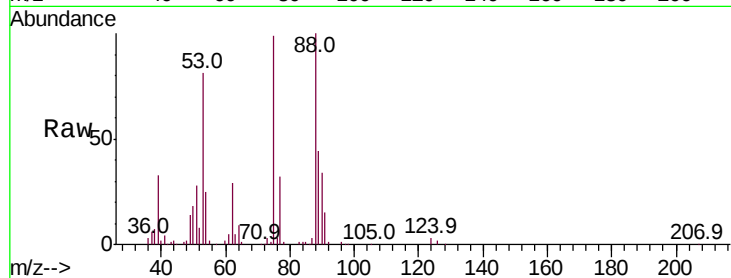
#81
trans-1,4-Dichloro-2-butene
Concen: 76.948 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.4	65.1	97.7
89	45.5	36.4	54.6

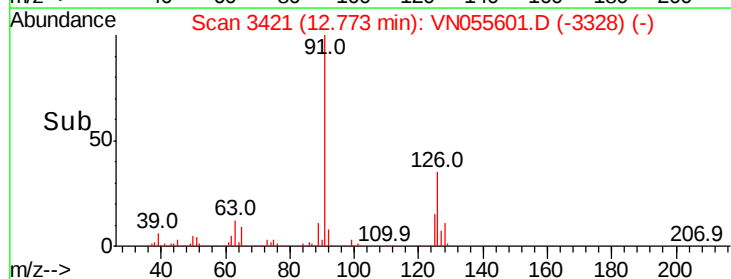
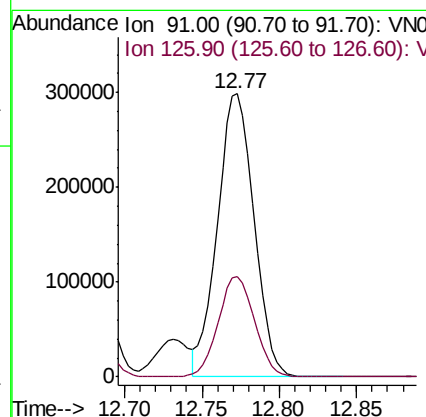
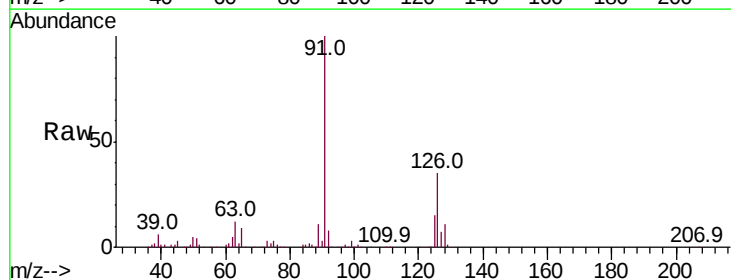
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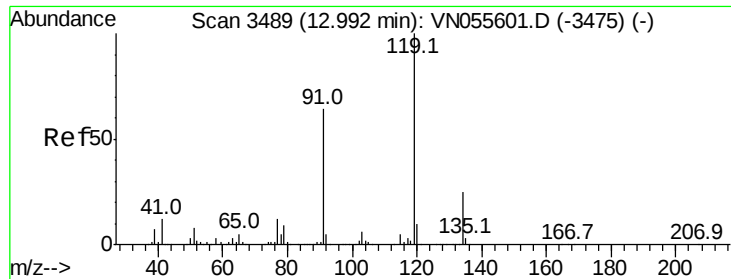
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#82
4-Chlorotoluene
Concen: 51.016 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





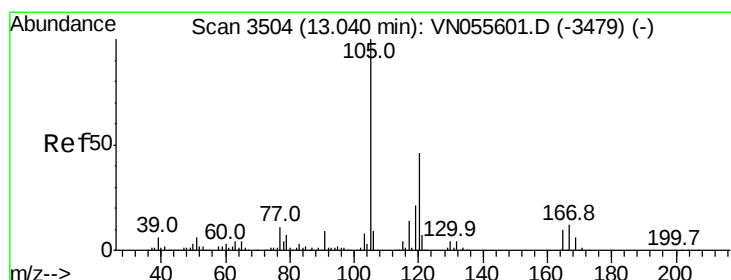
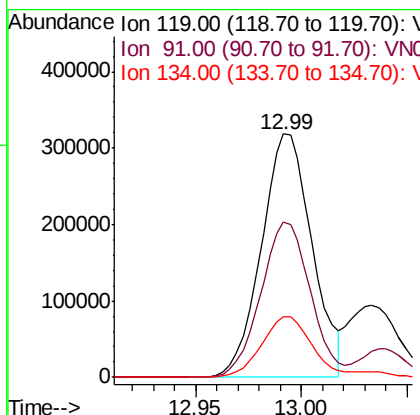
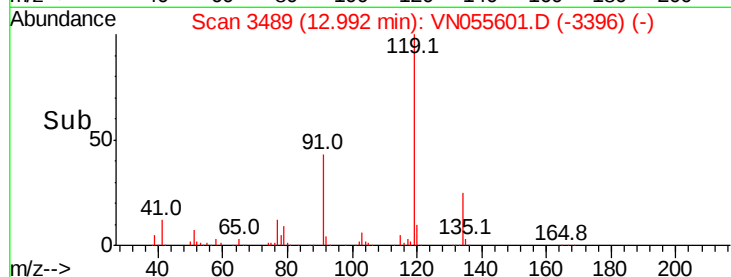
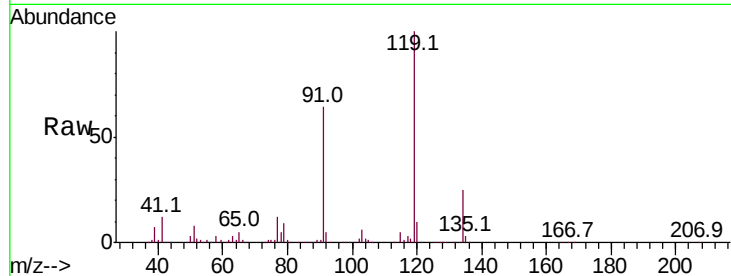
#83
tert-Butylbenzene
Concen: 49.911 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	531695		
91	62.5	31.3	93.8	
134	26.4	13.2	39.6	

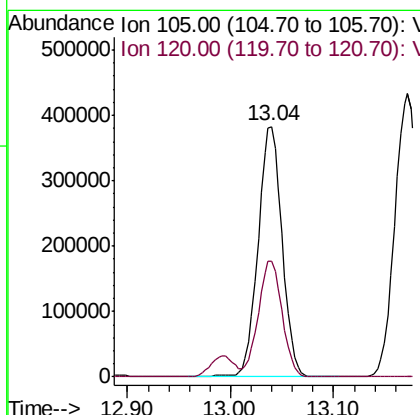
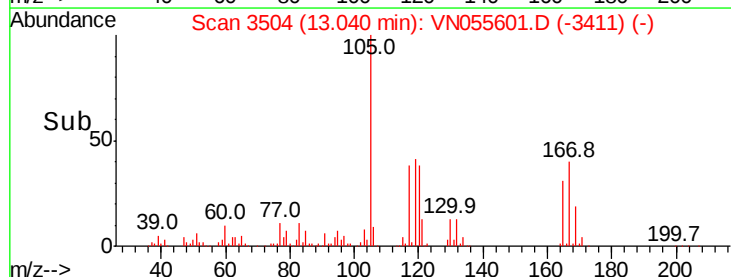
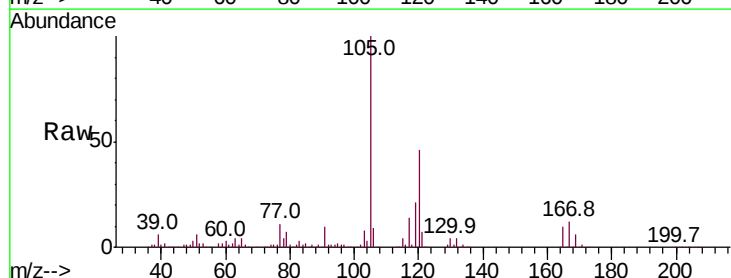
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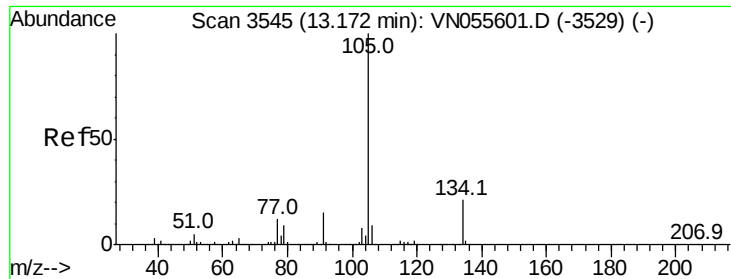
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.637 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	614503		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 48.677 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 694286

Ion Ratio Lower Upper

105 100

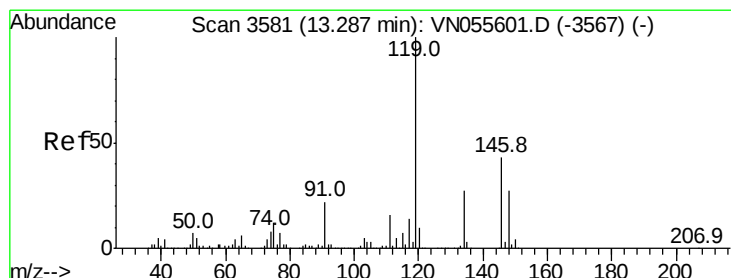
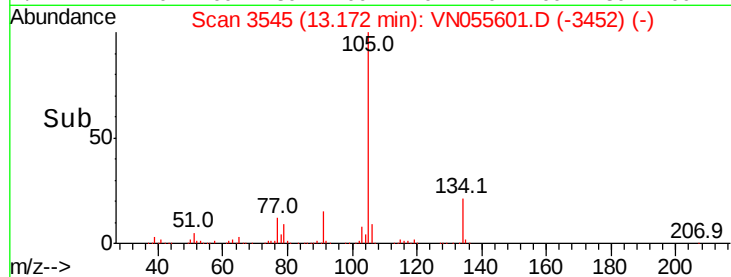
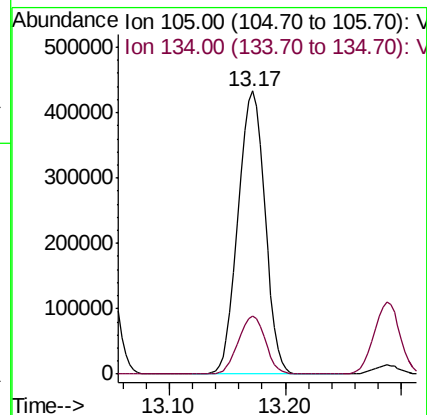
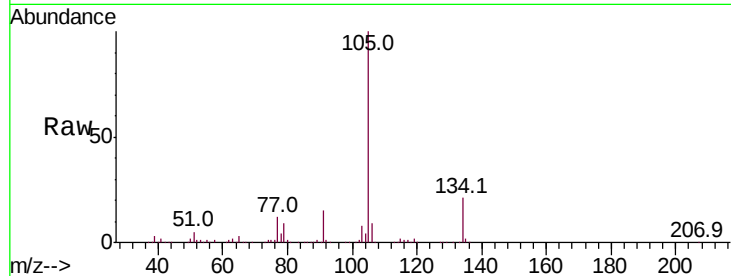
134 20.6 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.476 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

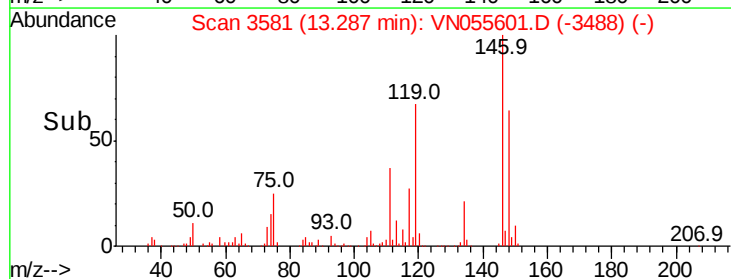
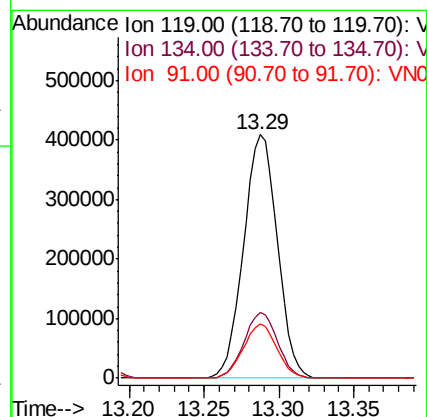
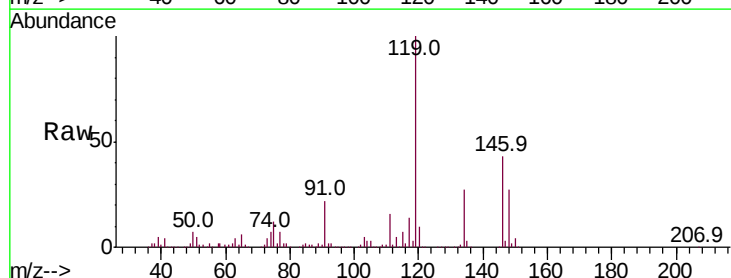
Tgt Ion:119 Resp: 641595

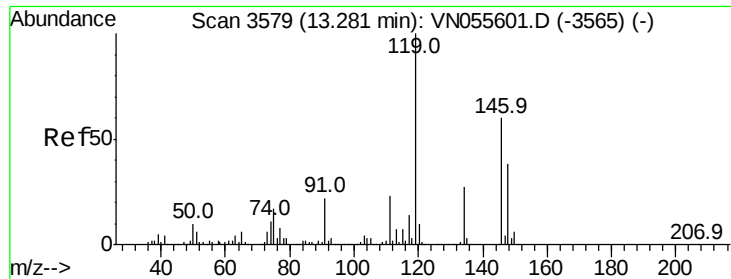
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 11.0 33.0





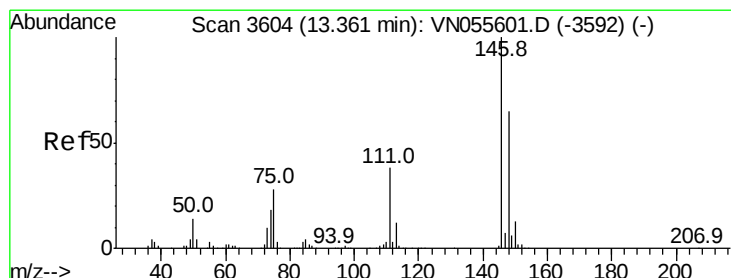
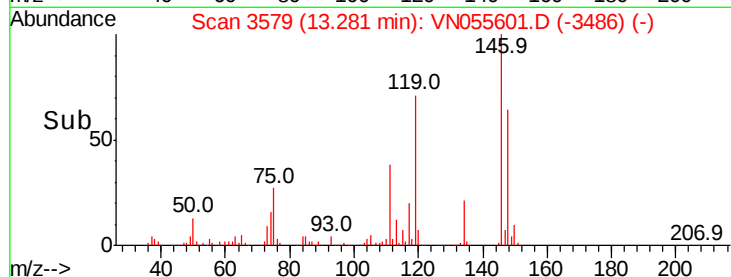
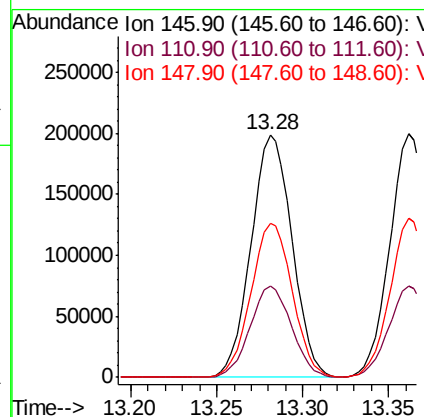
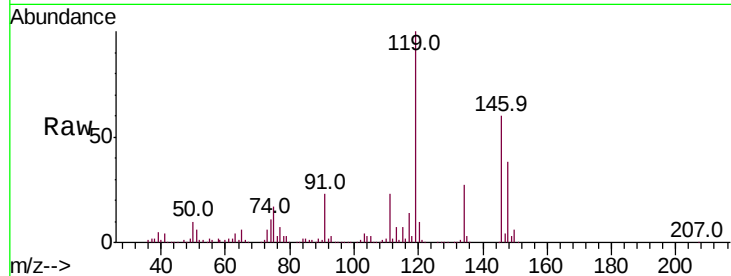
#87
 1,3-Dichlorobenzene
 Concen: 49.197 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	328635		
111	37.9	18.9	56.9	
148	63.9	31.9	95.9	

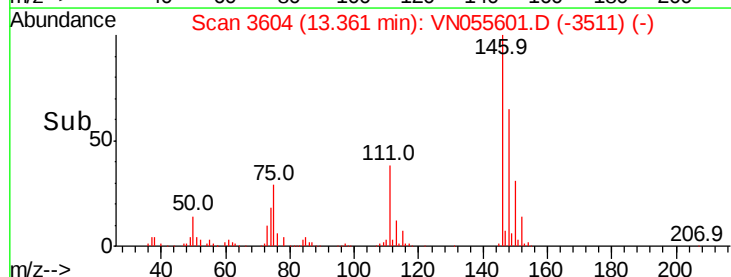
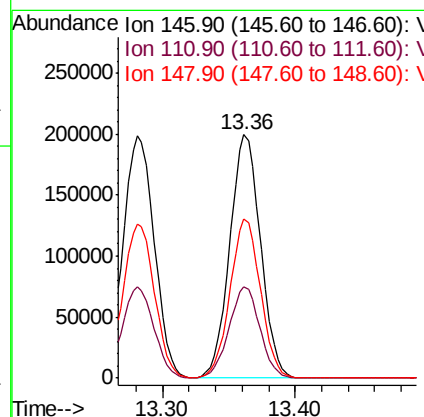
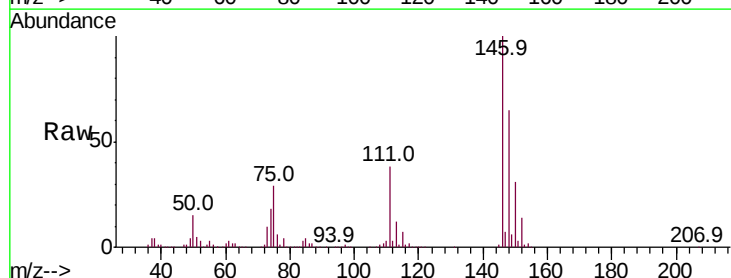
Manual Integrations
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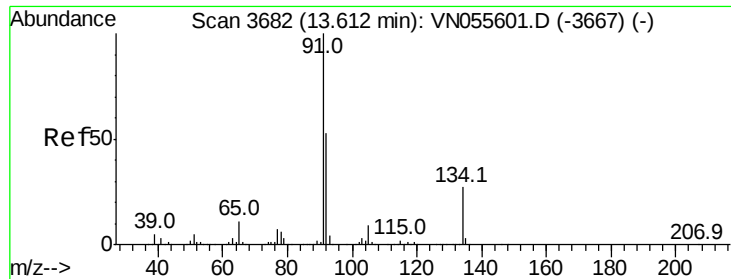
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#88
 1,4-Dichlorobenzene
 Concen: 47.914 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321788		
111	37.6	18.8	56.4	
148	64.7	32.4	97.0	





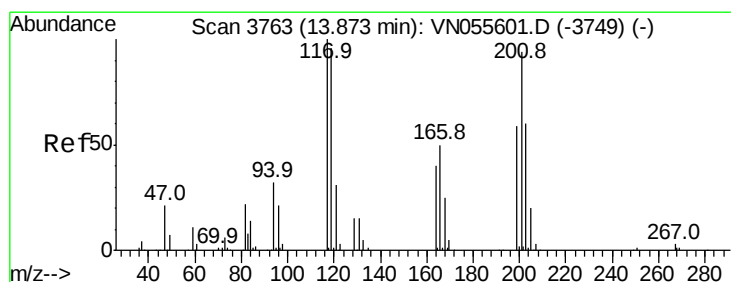
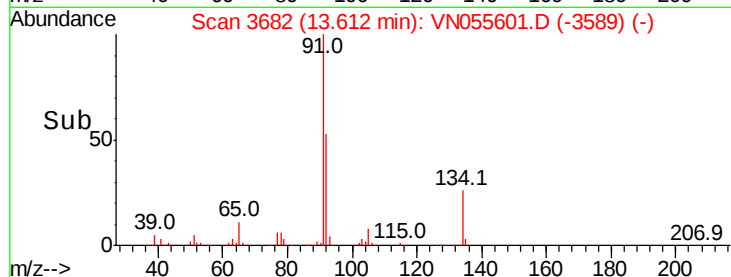
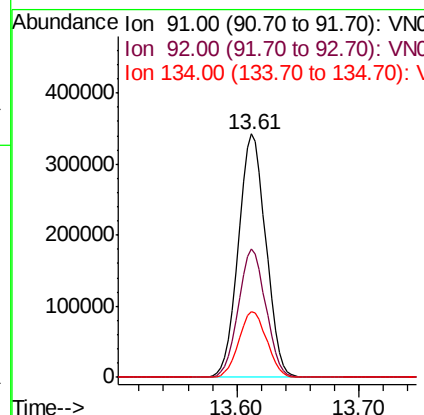
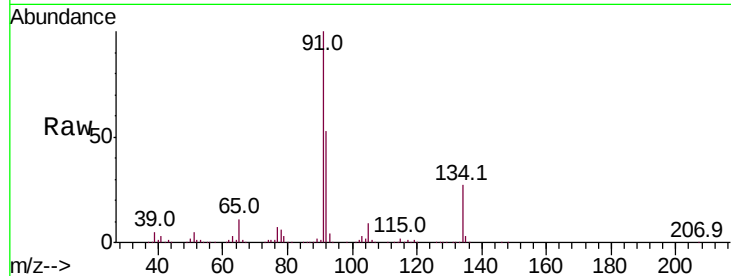
#89
n-Butylbenzene
Concen: 52.098 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.4	13.7	41.1

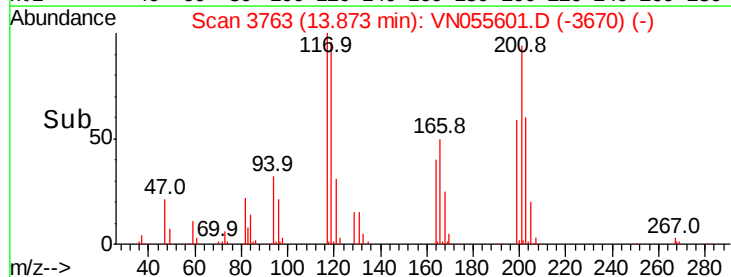
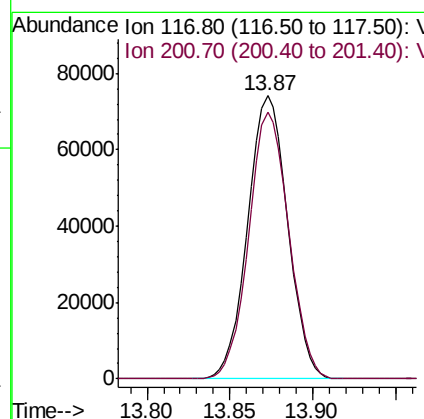
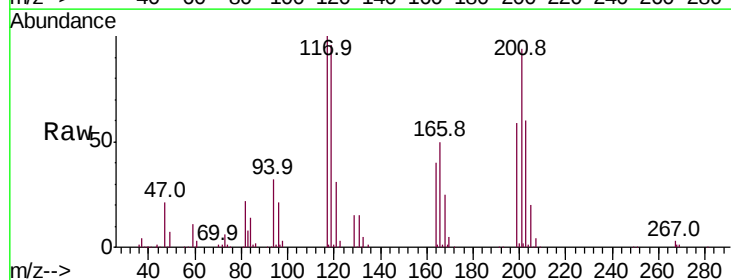
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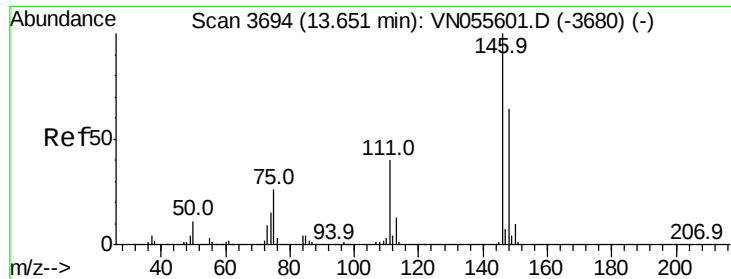
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#90
Hexachloroethane
Concen: 51.196 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	47.1	141.3





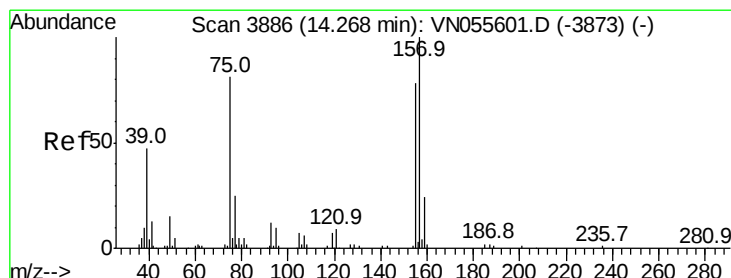
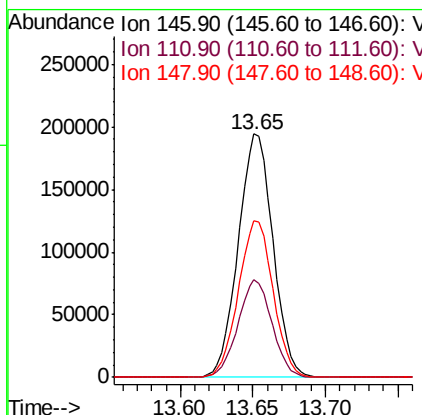
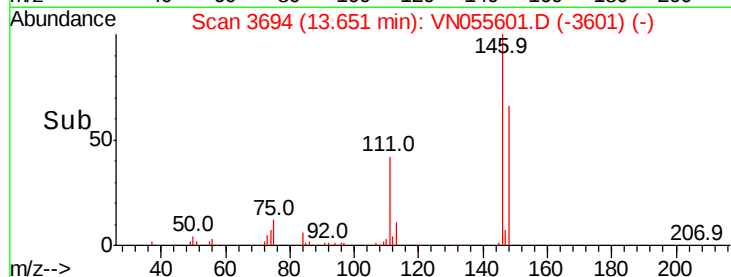
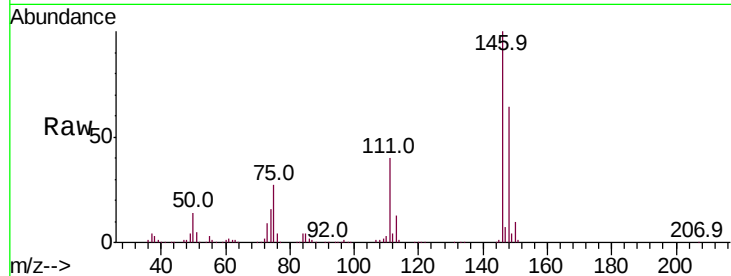
#91
 1,2-Dichlorobenzene
 Concen: 49.323 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.2	32.1	96.3

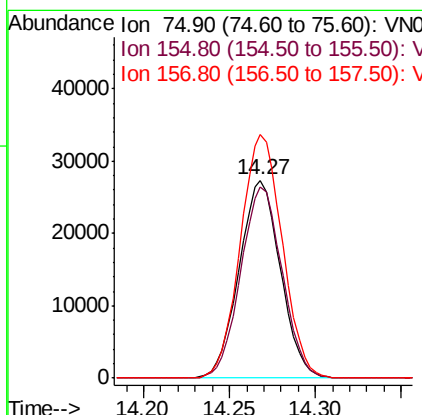
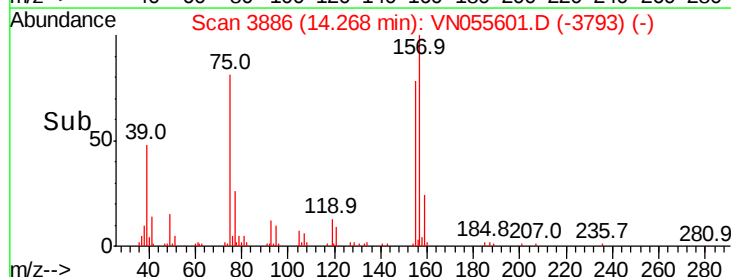
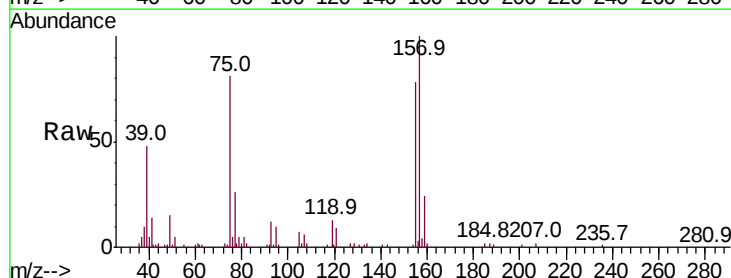
Manual Integrations
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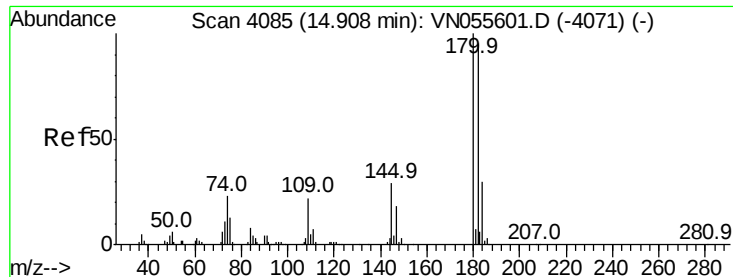
MMDadoda
 5/20/2019 9:10:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.458 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.4	145.0
157	124.5	62.3	186.8





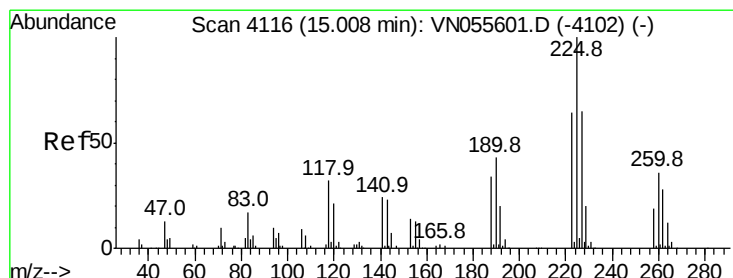
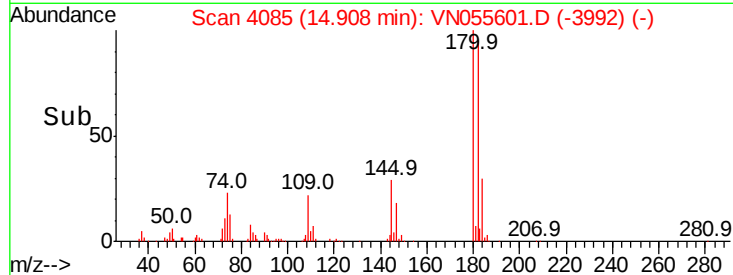
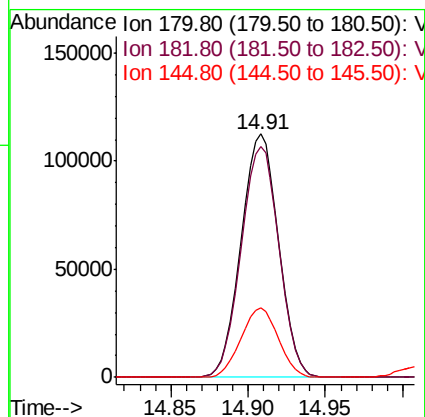
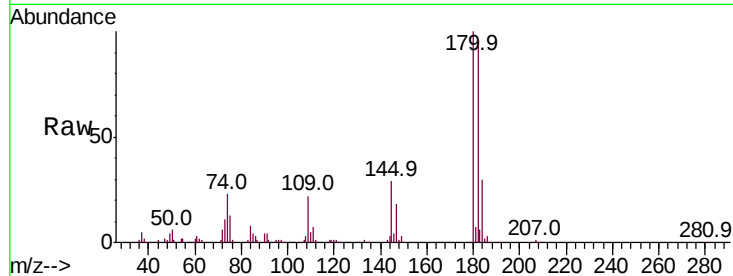
#93
 1,2,4-Trichlorobenzene
 Concen: 55.252 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.6	
145	28.6	14.3	42.9	

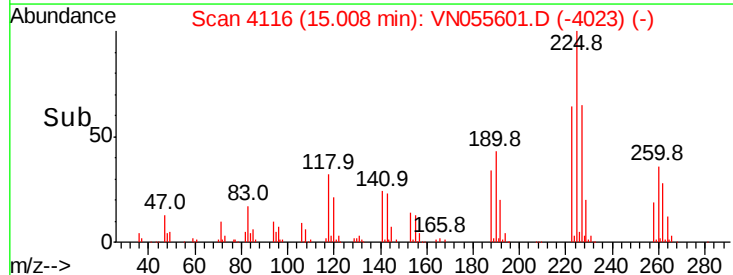
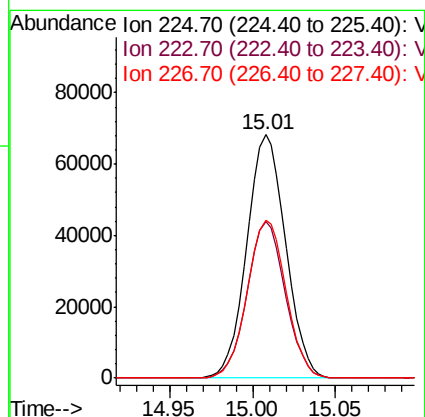
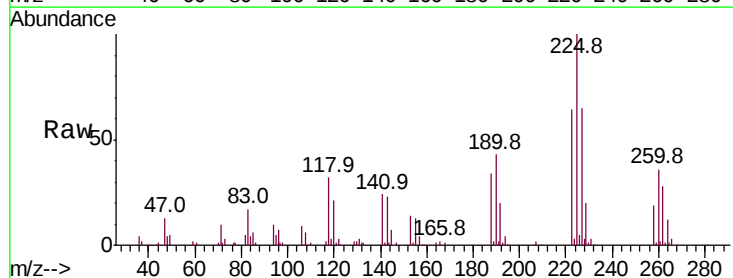
Manual Integrations
 APPROVED

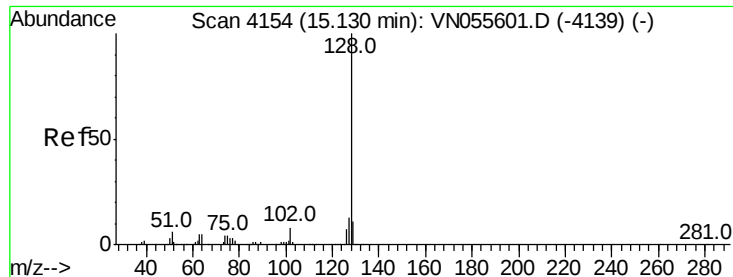
MMDadoda
 5/20/2019 9:10:02 AM



#94
 Hexachlorobutadiene
 Concen: 40.868 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.6	94.7	
227	64.7	32.4	97.0	





#95

Naphthalene

Concen: 74.538 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

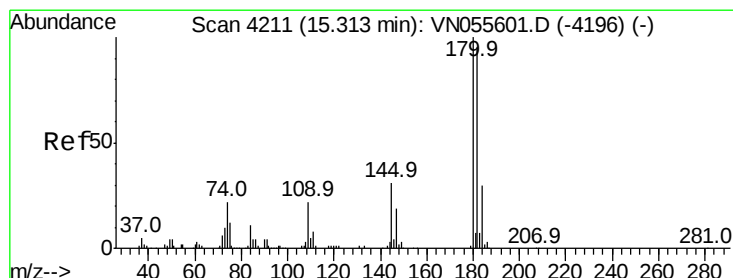
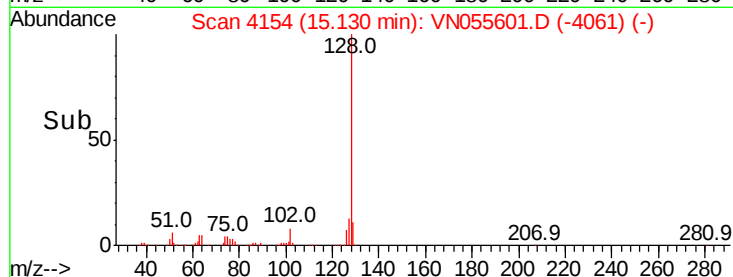
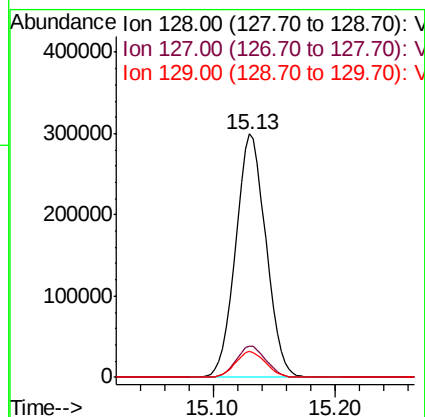
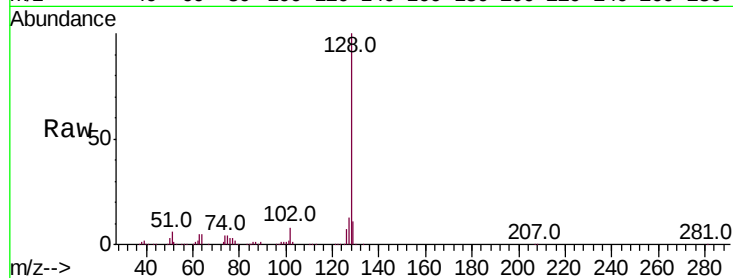
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	514213
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:10:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.039 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion:	180	Resp:	187501
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	30.7	15.4	46.1

