

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055700.D
 Acq On : 21 May 2019 11:30
 Operator : JC/SP
 Sample : VN0521MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:11:21 PM

Quant Time: May 22 05:19:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	444098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	156649	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	7.59	113	145020	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	527922	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	173728	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	49412	21.258	ug/l	96
3) Chloromethane	2.06	50	64263	20.728	ug/l	97
4) Vinyl Chloride	2.18	62	71011	21.152	ug/l	99
5) Bromomethane	2.54	94	48389	22.617	ug/l	96
6) Chloroethane	2.70	64	41740	22.392	ug/l	100
7) Trichlorofluoromethane	3.02	101	97507	22.665	ug/l	98
8) Diethyl Ether	3.41	74	39578	22.901	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60908	23.223	ug/l	98
10) Methyl Iodide	3.95	142	81960	21.676	ug/l	97
11) Tert butyl alcohol	4.77	59	70139	113.574	ug/l	98
12) 1,1-Dichloroethene	3.74	96	59835	21.688	ug/l	96
13) Acrolein	3.61	56	26324	84.472	ug/l	96
14) Allyl chloride	4.32	41	97526	21.896	ug/l	100
15) Acrylonitrile	4.99	53	157800	114.850	ug/l	98
16) Acetone	3.81	43	147120	108.860	ug/l	98
17) Carbon Disulfide	4.06	76	153431	20.005	ug/l	99
18) Methyl Acetate	4.32	43	68006	23.472	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	205836	22.552	ug/l	98
20) Methylene Chloride	4.55	84	68417	22.183	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	63639	21.653	ug/l	94
22) Diisopropyl ether	5.95	45	192657	21.829	ug/l	98
23) Vinyl Acetate	5.89	43	820527	109.567	ug/l	99
24) 1,1-Dichloroethane	5.85	63	116078	22.431	ug/l	100
25) 2-Butanone	6.83	43	209141	110.678	ug/l	99
26) 2,2-Dichloropropane	6.82	77	101186	22.031	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	76790	22.437	ug/l	96
28) Bromochloromethane	7.20	49	40903	18.168	ug/l	93
29) Tetrahydrofuran	7.21	42	134770	107.652	ug/l	98
30) Chloroform	7.37	83	119380	22.473	ug/l	99
31) Cyclohexane	7.65	56	103109	20.994	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	105238	22.088	ug/l	98
36) 1,1-Dichloropropene	7.79	75	86209	21.773	ug/l	99
37) Ethyl Acetate	6.93	43	84682	23.701	ug/l #	92
38) Carbon Tetrachloride	7.77	117	92236	21.800	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	103862	21.760	ug/l	98
40) Benzene	8.04	78	268729	23.075	ug/l	100
41) Methacrylonitrile	7.18	41	38085m	24.932	ug/l	
42) 1,2-Dichloroethane	8.12	62	88104	23.363	ug/l	98
43) Isopropyl Acetate	8.16	43	140155	22.551	ug/l	100
44) Trichloroethene	8.83	130	76531	23.289	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69919	22.790	ug/l	99
46) Dibromomethane	9.21	93	47182	23.497	ug/l	97
47) Bromodichloromethane	9.40	83	95949	22.799	ug/l	99
48) Methyl methacrylate	9.20	41	60735	21.864	ug/l	93
49) 1,4-Dioxane	9.20	88	28802	521.786	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	408529	112.061	ug/l	99
52) Toluene	10.16	92	167677	22.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100509	22.190	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	112836	22.739	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	69360	23.065	ug/l	99
56) Ethyl methacrylate	10.43	69	104363	22.232	ug/l	97
57) 1,3-Dichloropropane	10.71	76	110581	23.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	163147	81.796	ug/l	97
59) 2-Hexanone	10.75	43	280338	109.221	ug/l	98
60) Dibromochloromethane	10.90	129	79905	23.445	ug/l	100
61) 1,2-Dibromoethane	11.00	107	71183	23.658	ug/l	99
64) Tetrachloroethene	10.63	164	73134	24.190	ug/l	98
65) Chlorobenzene	11.43	112	182117	23.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	74534	23.897	ug/l	99
67) Ethyl Benzene	11.51	91	316393	22.908	ug/l	99
68) m/p-Xylenes	11.62	106	242761	46.544	ug/l	98
69) o-Xylene	11.95	106	120477	23.617	ug/l	98
70) Styrene	11.96	104	196820	23.204	ug/l	98
71) Bromoform	12.13	173	62432	23.620	ug/l #	99
73) Isopropylbenzene	12.25	105	318956	27.604	ug/l	99
74) N-amyl acetate	12.07	43	107975	24.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	95389	26.497	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81073m	25.073	ug/l	
77) Bromobenzene	12.53	156	83130	25.544	ug/l	93
78) n-propylbenzene	12.59	91	329423	23.410	ug/l	99
79) 2-Chlorotoluene	12.67	91	203914	26.279	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	264639	26.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28192	22.413	ug/l	100
82) 4-Chlorotoluene	12.77	91	189229	22.823	ug/l	97
83) tert-Butylbenzene	12.99	119	236287	28.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261811	26.792	ug/l	100
85) sec-Butylbenzene	13.17	105	294133	26.771	ug/l	100
86) p-Isopropyltoluene	13.29	119	266186	26.154	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	128549	23.890	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	121531	23.655	ug/l	99
89) n-Butylbenzene	13.61	91	196131	22.556	ug/l	99
90) Hexachloroethane	13.87	117	52339	26.770	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	129615	24.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16110	22.402	ug/l	89

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QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55753	20.420	ug/l	100
94) Hexachlorobutadiene	15.01	225	47543	27.542	ug/l	99
95) Naphthalene	15.13	128	154540	19.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	58869	20.621	ug/l	100

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

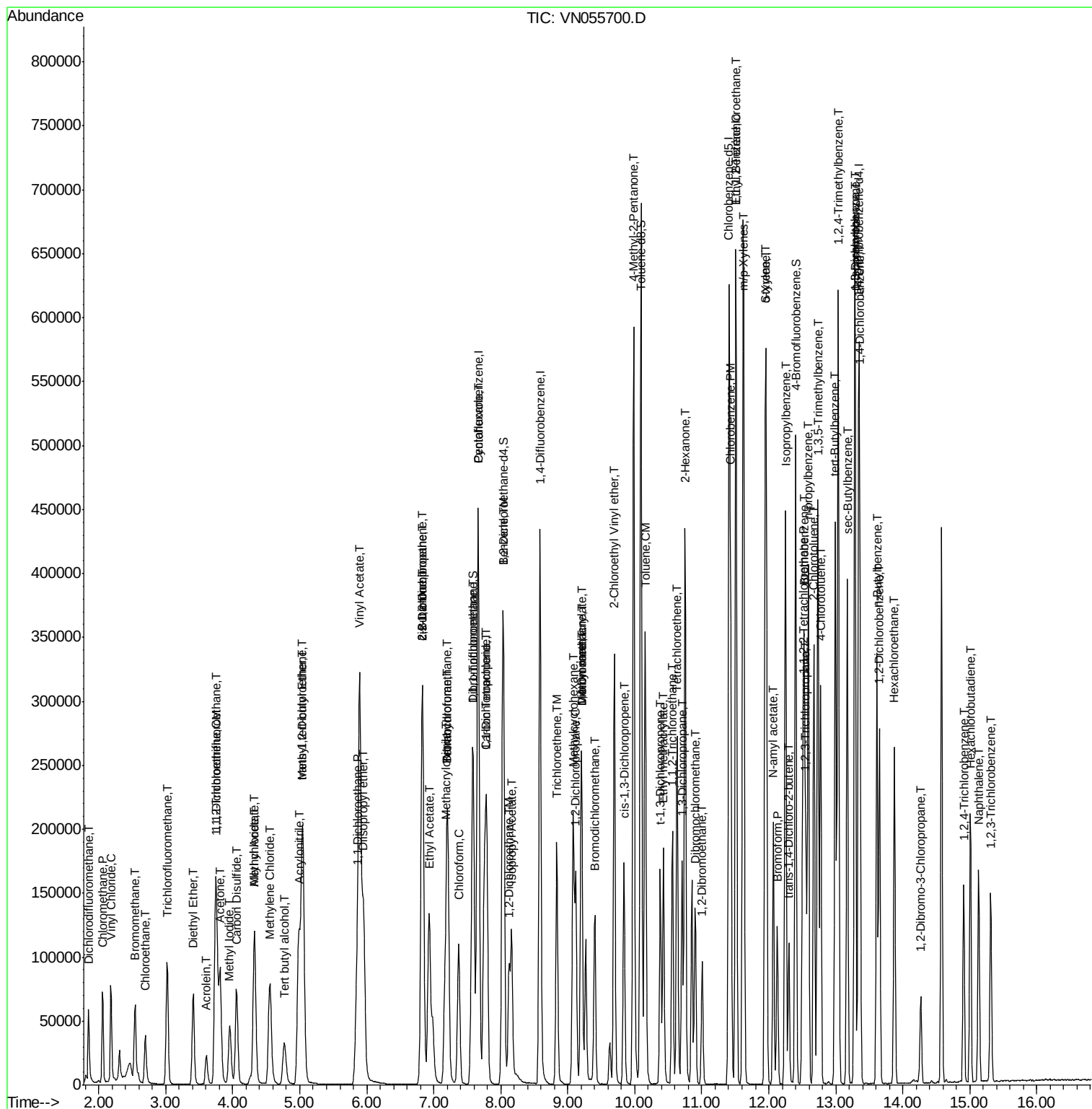
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Data File : VN055700.D
Acq On : 21 May 2019 11:30
Operator : JC/SP
Sample : VN0521MBS01
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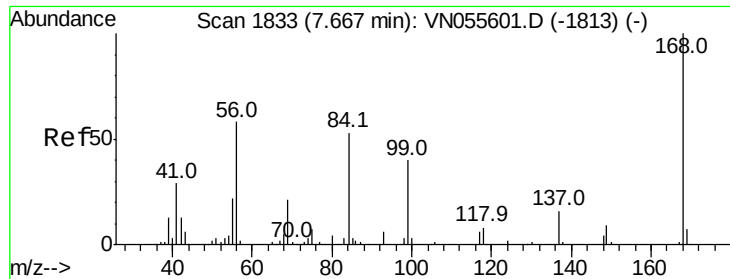
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion:168 Resp: 302101

Ion Ratio Lower Upper

168 100

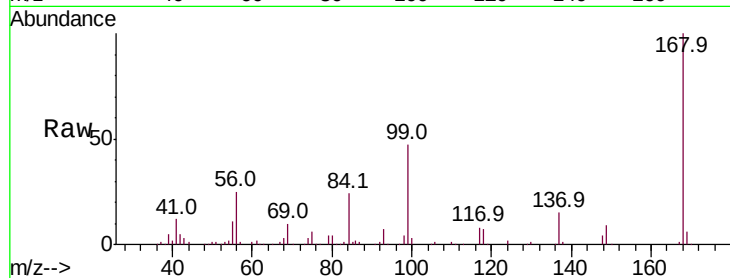
99 46.1 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

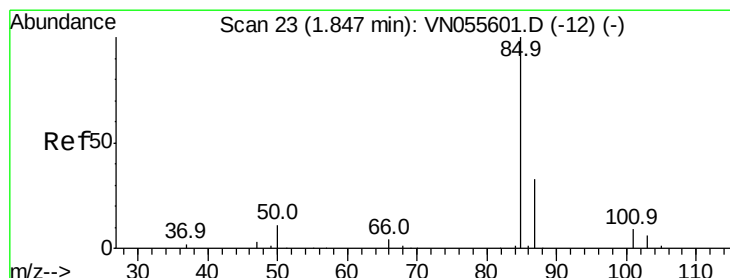
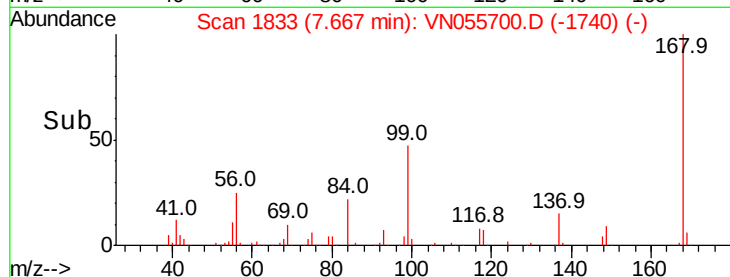
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.258 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055700.D

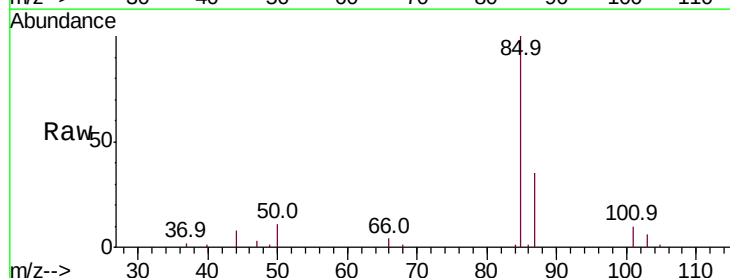
Acq: 21 May 2019 11:30

Tgt Ion: 85 Resp: 49412

Ion Ratio Lower Upper

85 100

87 35.1 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

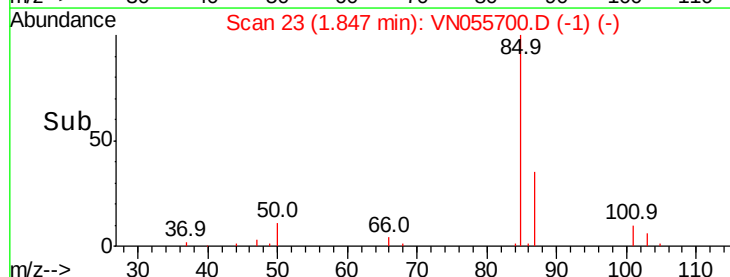
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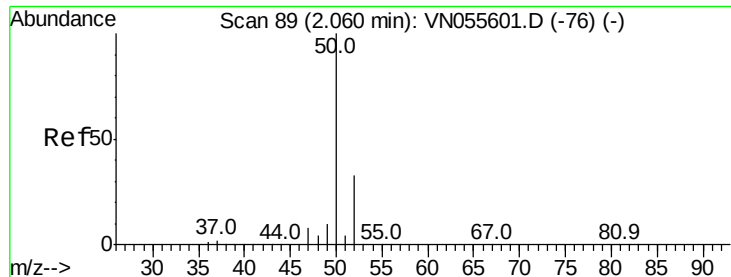
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10000

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Time-->





#3

Chloromethane

Concen: 20.728 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 50 Resp: 64263

Ion Ratio Lower Upper

50 100

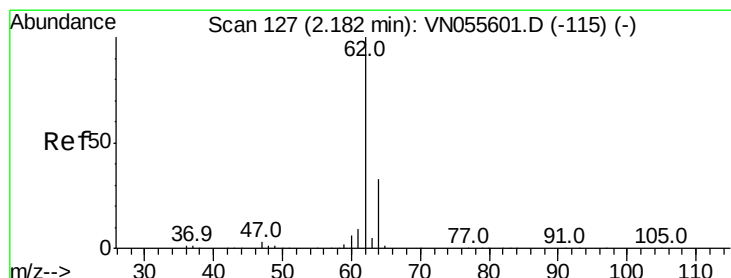
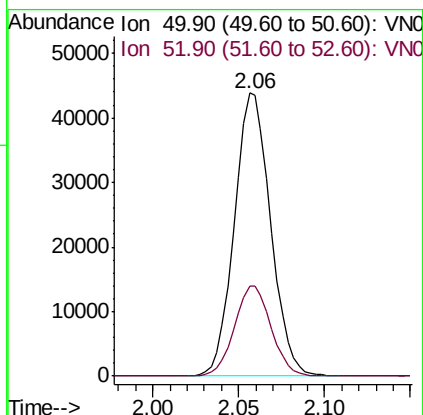
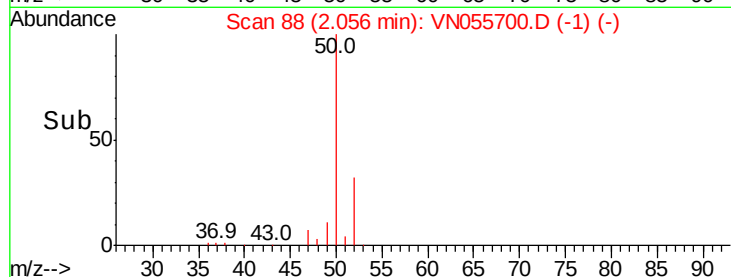
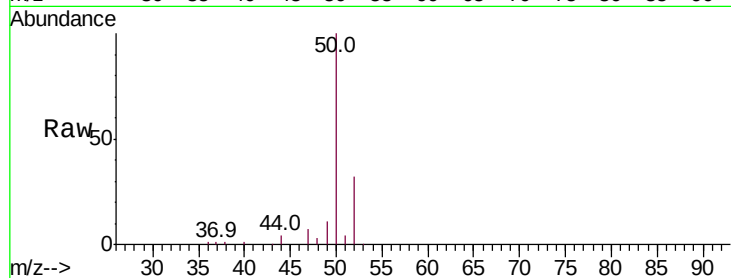
52 31.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.152 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055700.D

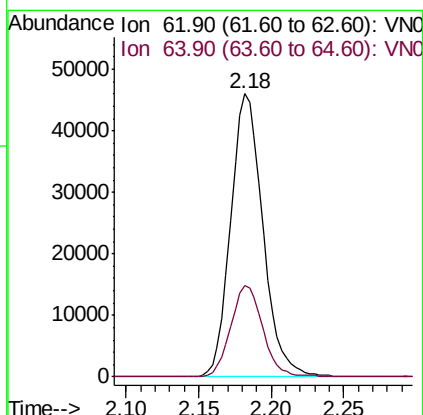
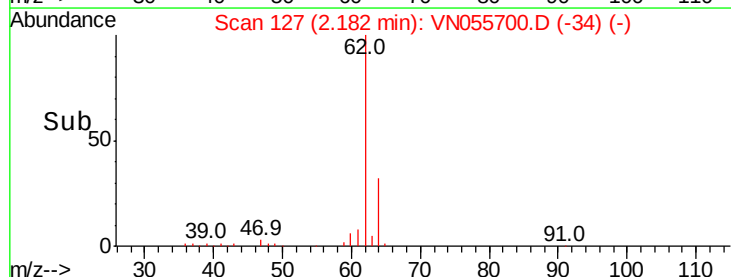
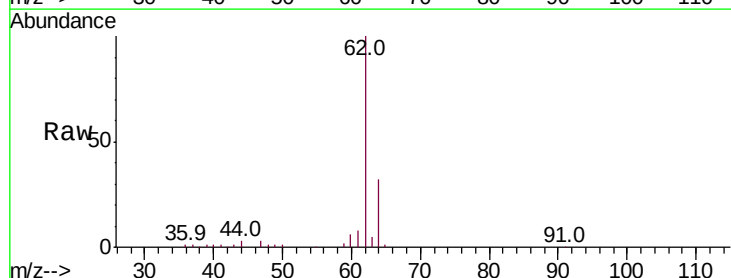
Acq: 21 May 2019 11:30

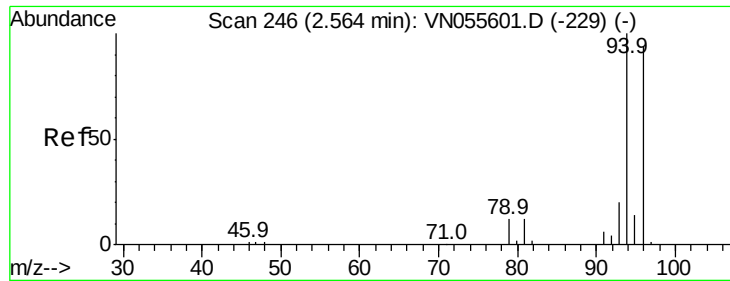
Tgt Ion: 62 Resp: 71011

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





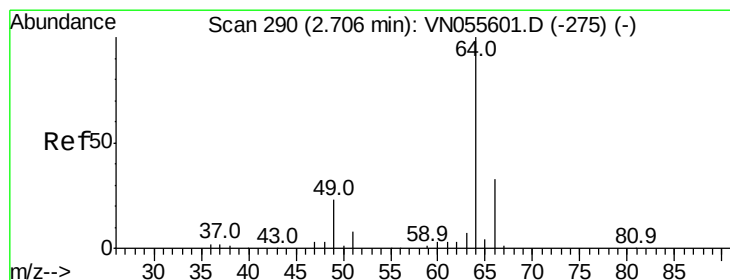
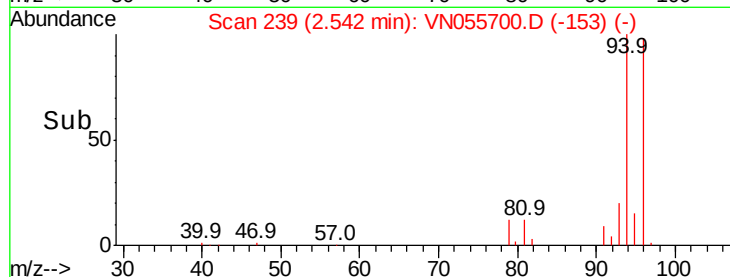
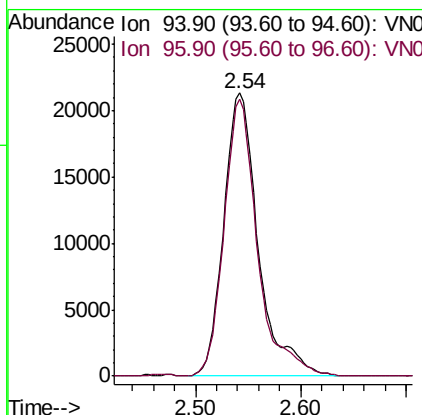
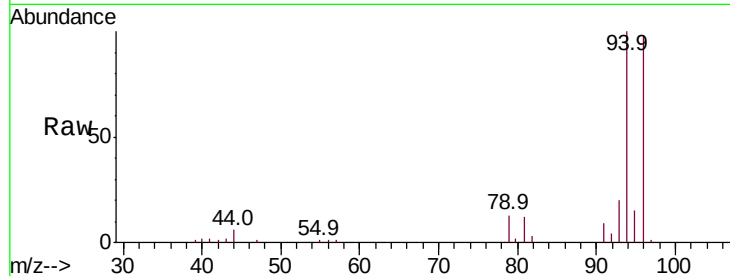
#5
Bromomethane
Concen: 22.617 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.02 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
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Tot Ion: 94 Resp: 48389
Ion Ratio Lower Upper
94 100
96 97.6 75.2 112.8

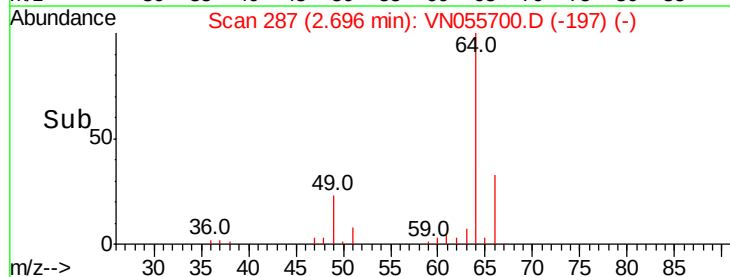
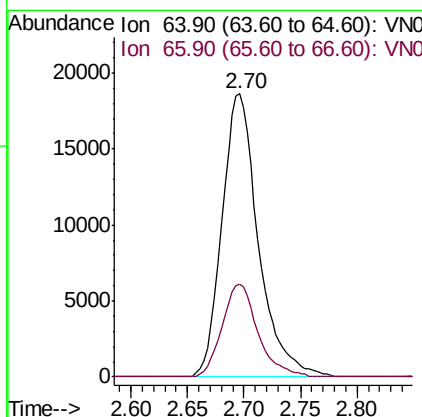
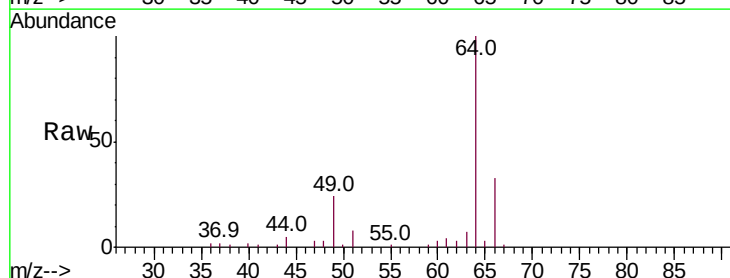
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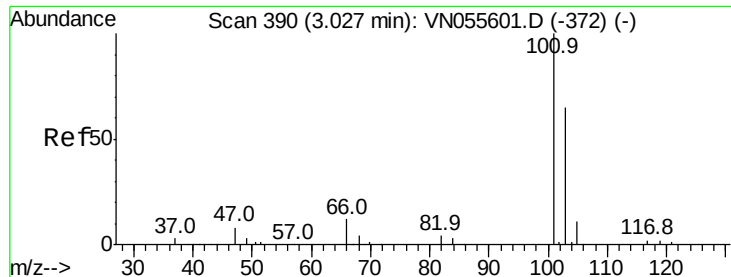
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#6
Chloroethane
Concen: 22.392 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.01 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion: 64 Resp: 41740
Ion Ratio Lower Upper
64 100
66 32.9 26.2 39.4





#7

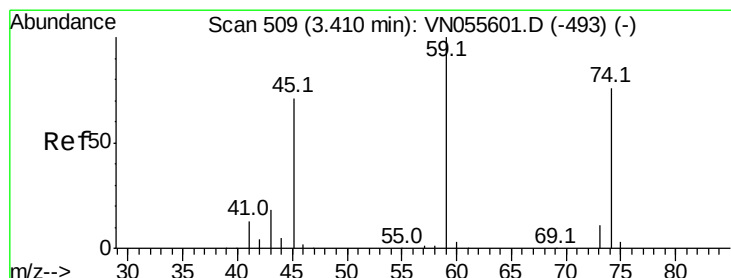
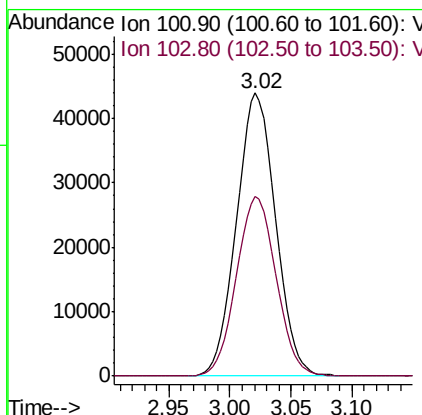
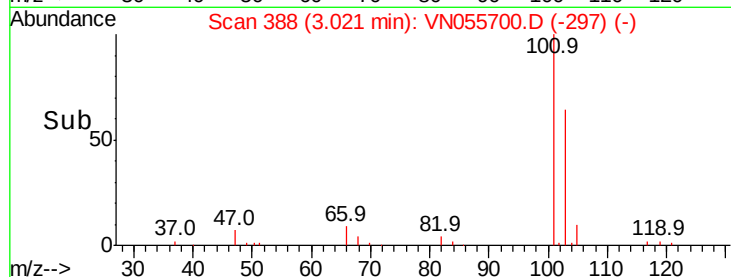
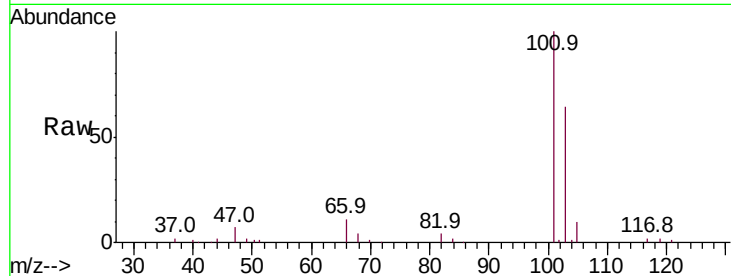
Trichlorofluoromethane
 Concen: 22.665 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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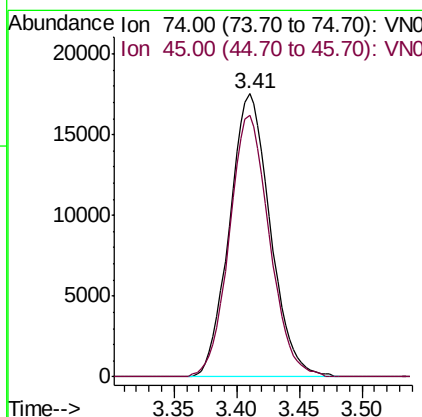
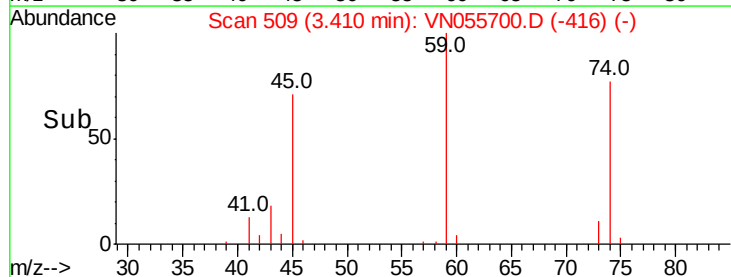
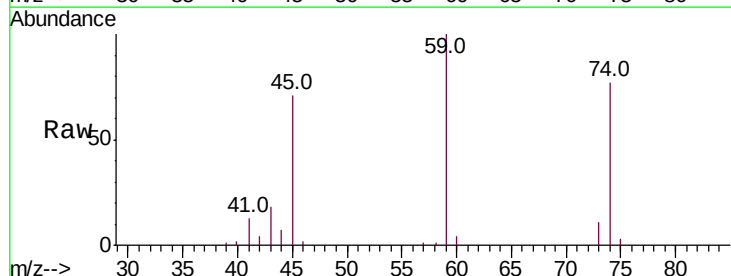
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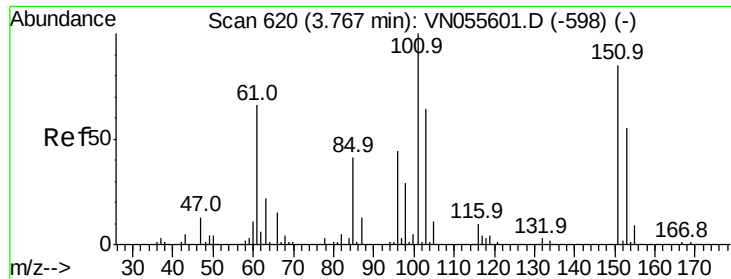


#8

Diethyl Ether
 Concen: 22.901 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.223 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

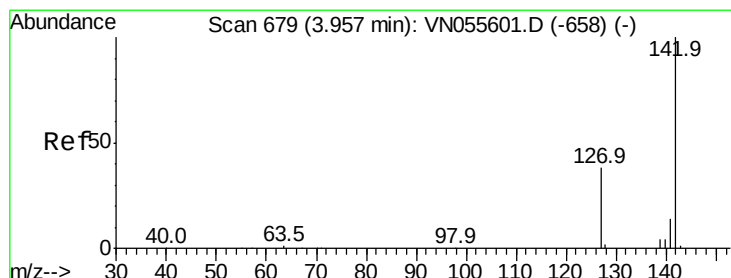
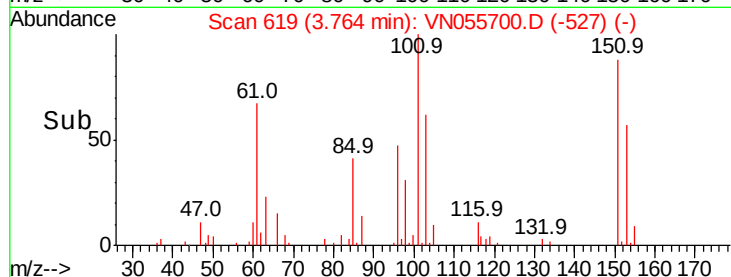
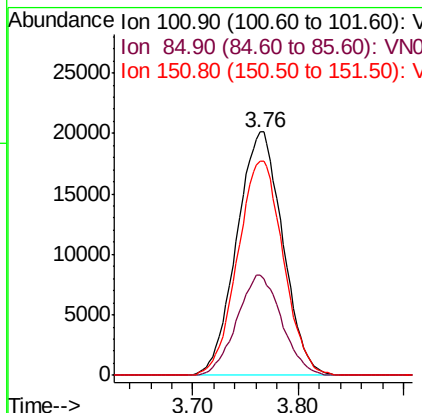
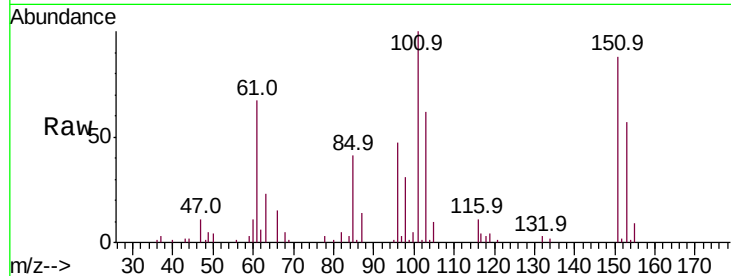
ClientSampleId :

VN0521MBS01

Tot Ion:	101	Resp:	60908
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.4	50.0
151	87.5	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 21.676 ug/l

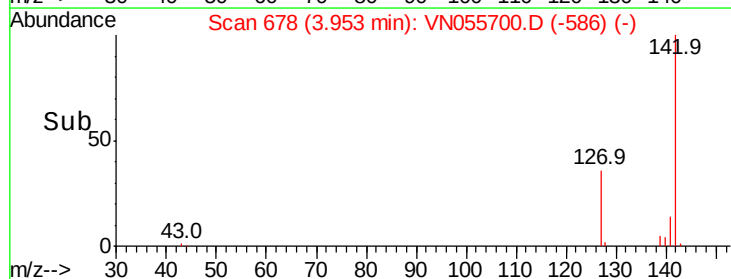
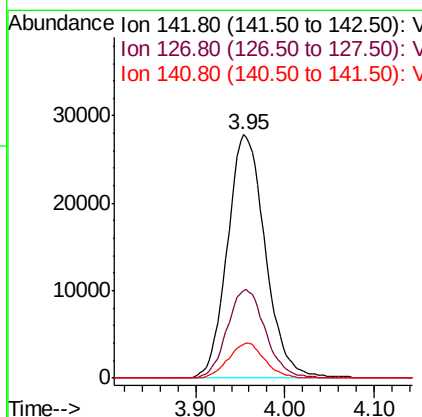
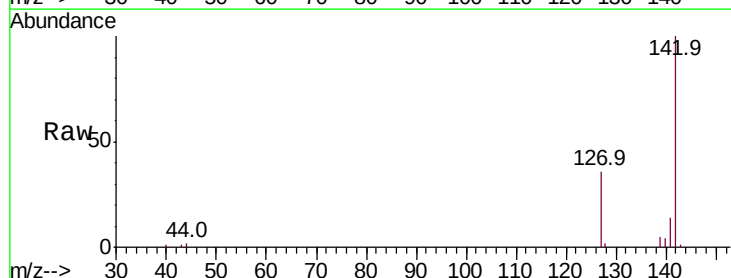
RT: 3.95 min Scan# 678

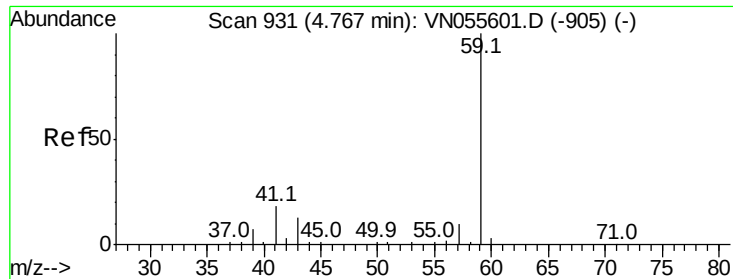
Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	142	Resp:	81960
Ion Ratio	Lower	Upper	
142	100		
127	36.7	31.0	46.4
141	13.6	11.5	17.3





#11

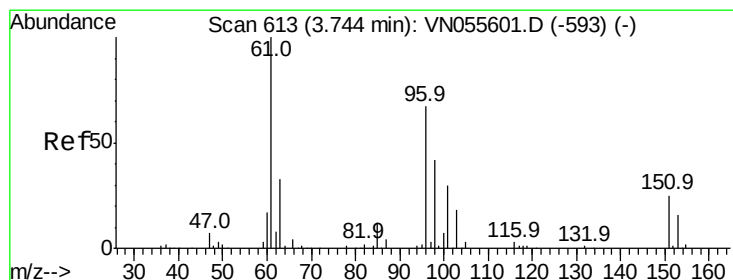
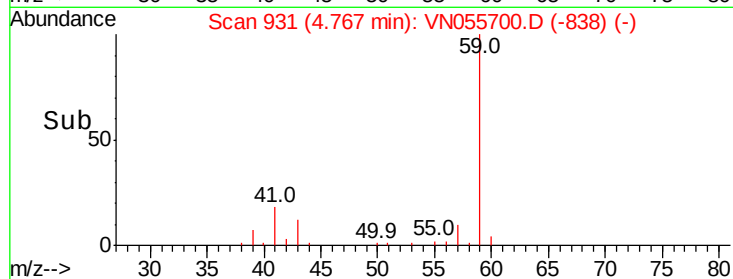
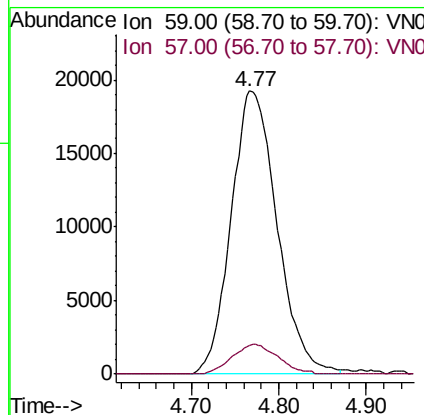
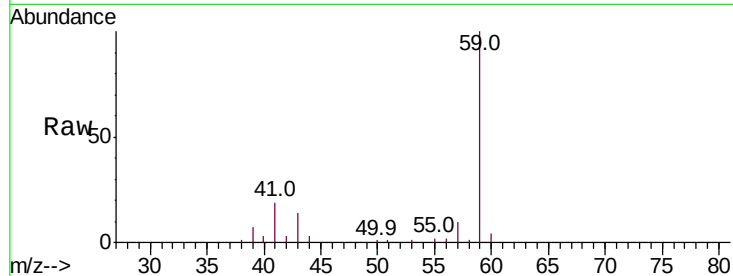
Tert butyl alcohol
 Concen: 113.574 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.6

Manual Integrations
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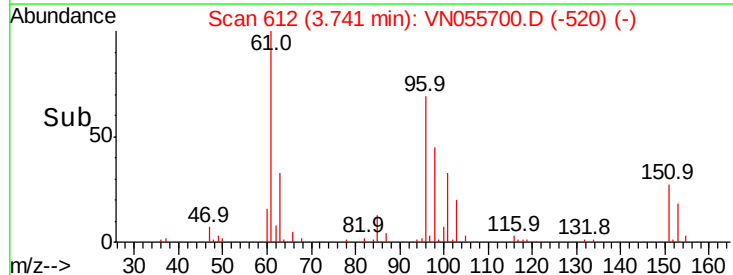
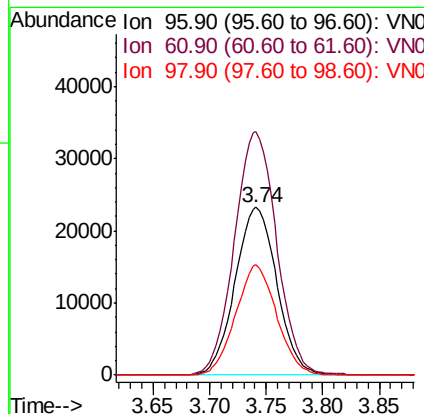
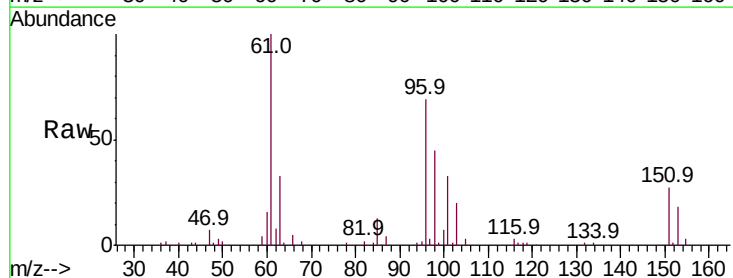
MMDadoda
 5/22/2019 4:11:21 PM

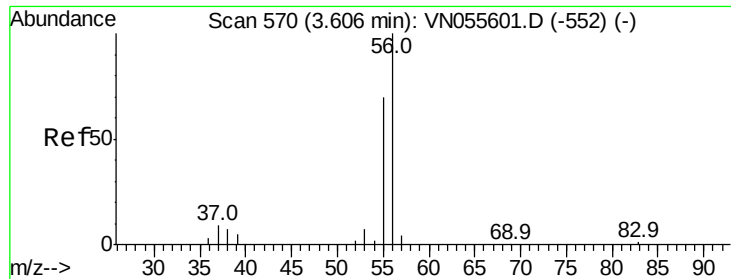


#12

1,1-Dichloroethene
 Concen: 21.688 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	120.2	180.2
98	65.6	50.6	75.8





#13

Acrolein

Concen: 84.472 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 56 Resp: 26324

Ion Ratio Lower Upper

56 100

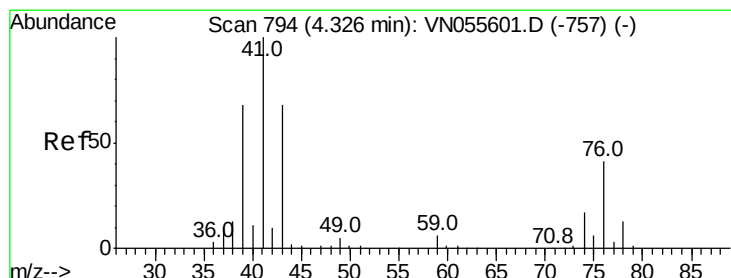
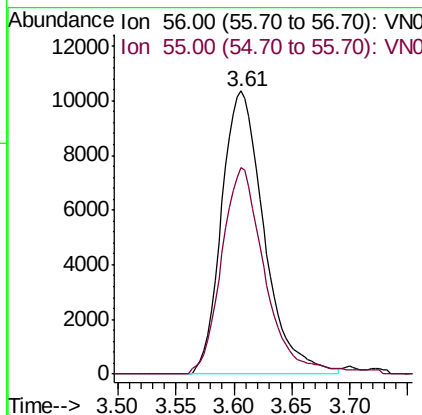
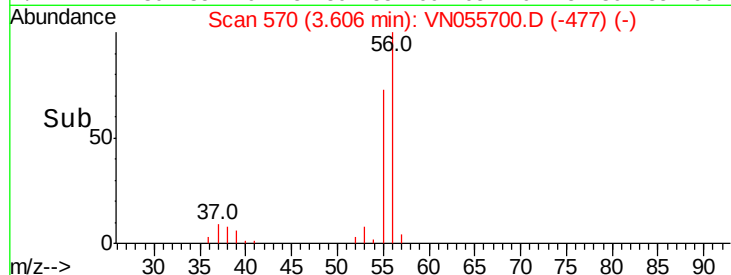
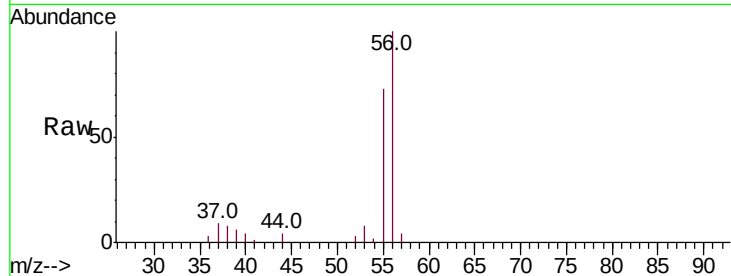
55 74.1 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 21.896 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

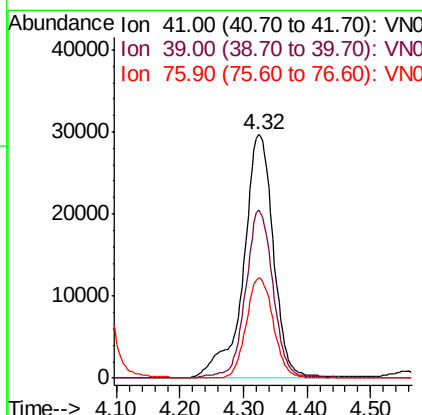
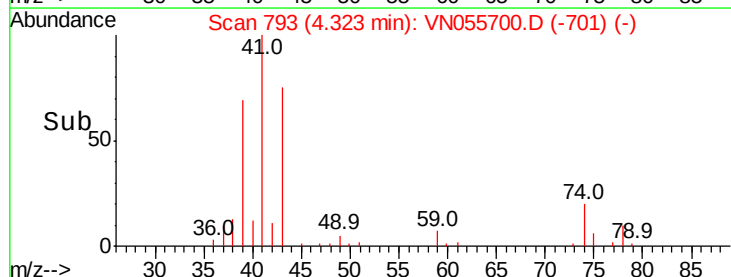
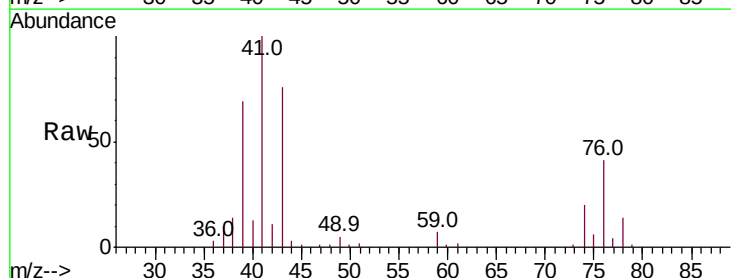
Tgt Ion: 41 Resp: 97526

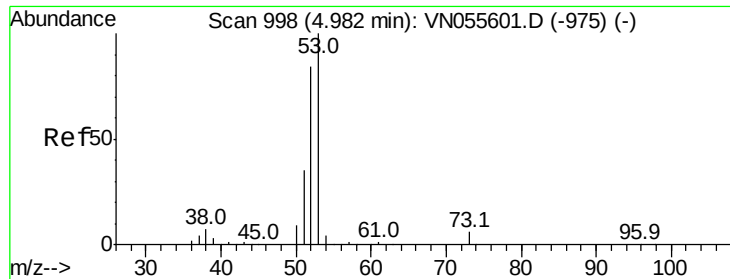
Ion Ratio Lower Upper

41 100

39 62.9 50.5 75.7

76 36.9 29.2 43.8





#15

Acrylonitrile

Concen: 114.850 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

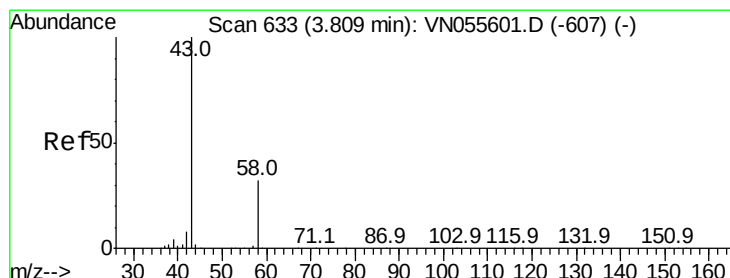
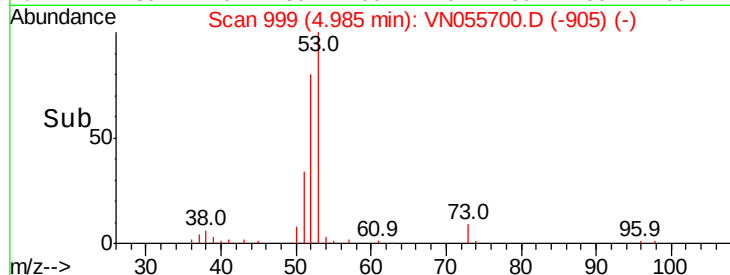
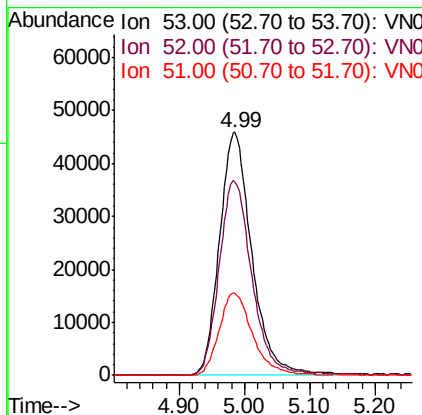
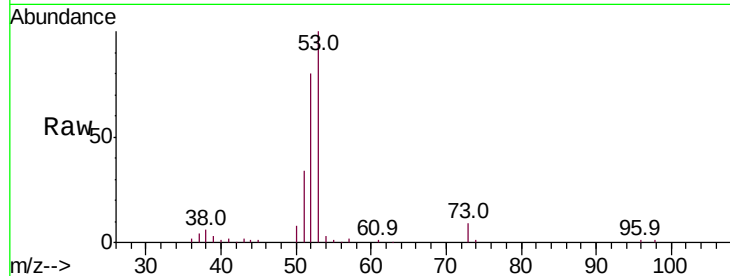
ClientSampleId :

VN0521MBS01

Tot Ion	53	Resp	157800
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.2	99.4
51	35.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 108.860 ug/l

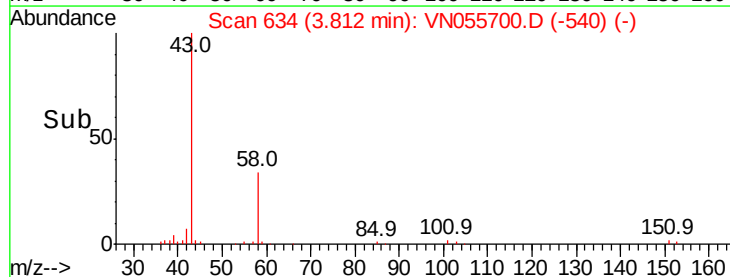
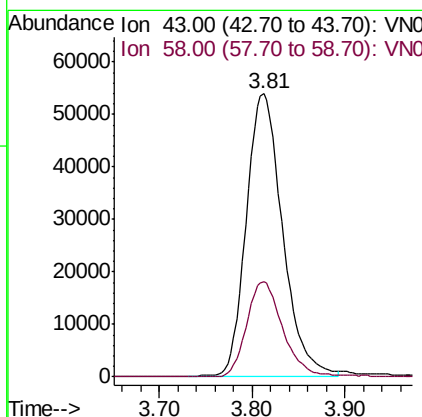
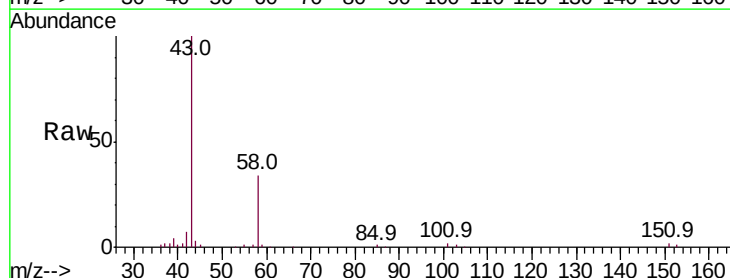
RT: 3.81 min Scan# 634

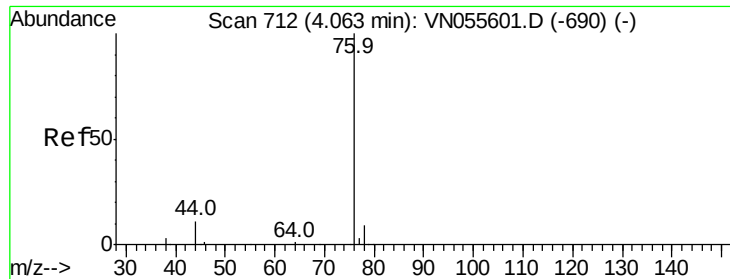
Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion	43	Resp	147120
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.0	39.0





#17

Carbon Disulfide

Concen: 20.005 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.01 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 76 Resp: 153431

Ion Ratio Lower Upper

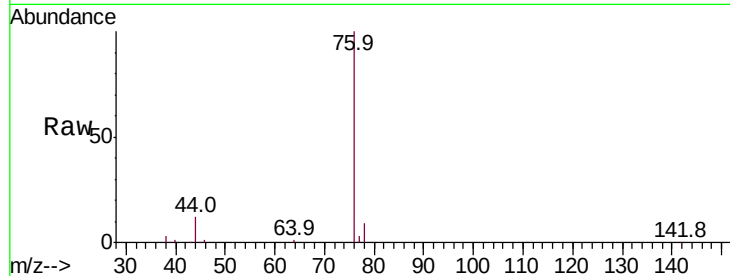
76 100

78 9.5 7.3 10.9

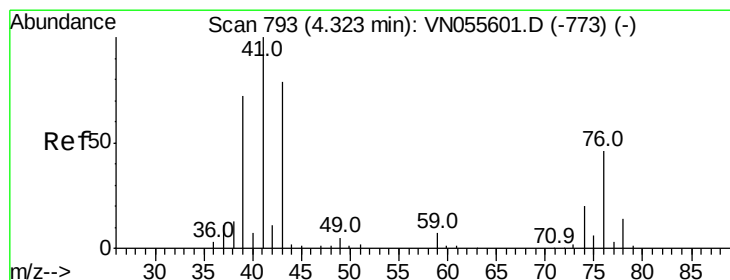
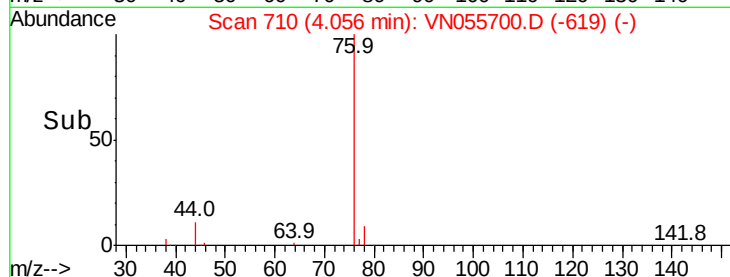
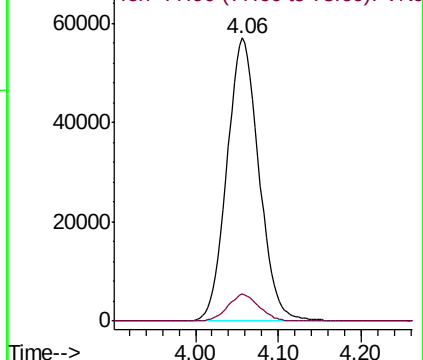
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN055700.D (-619) (-)



#18

Methyl Acetate

Concen: 23.472 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055700.D

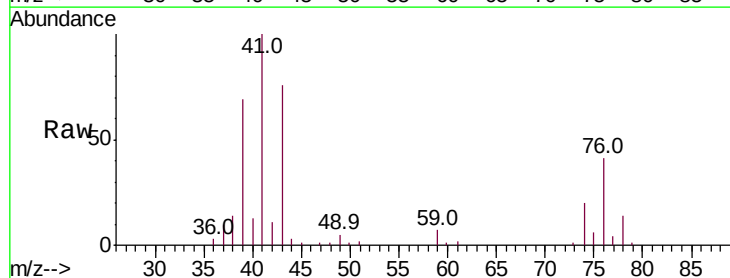
Acq: 21 May 2019 11:30

Tgt Ion: 43 Resp: 68006

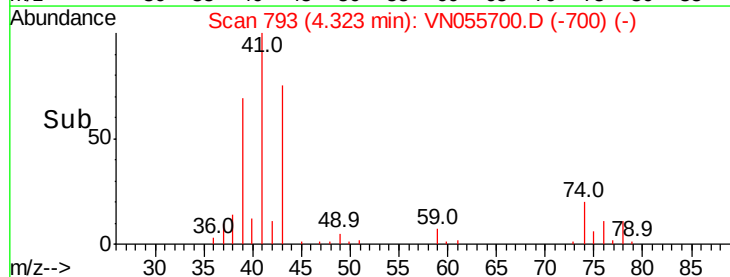
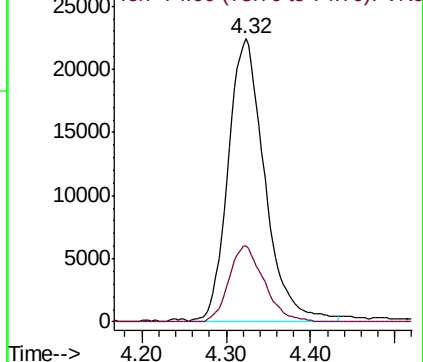
Ion Ratio Lower Upper

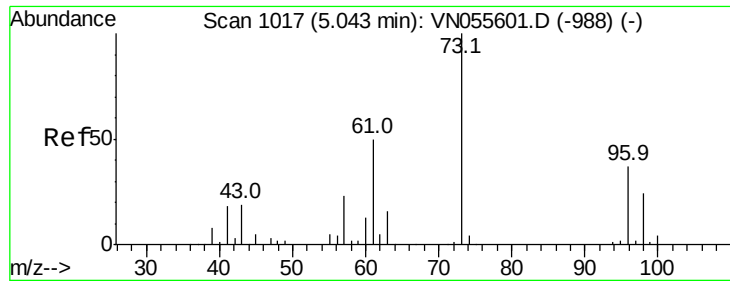
43 100

74 25.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN055700.D (-700) (-)





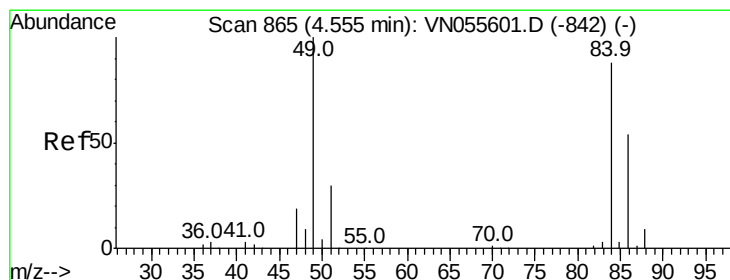
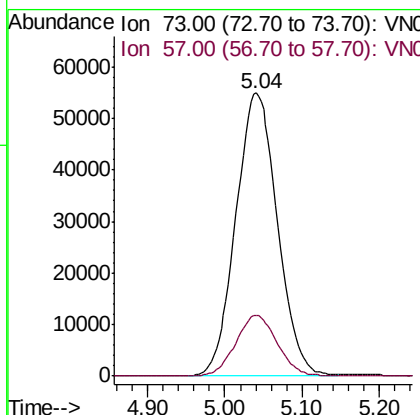
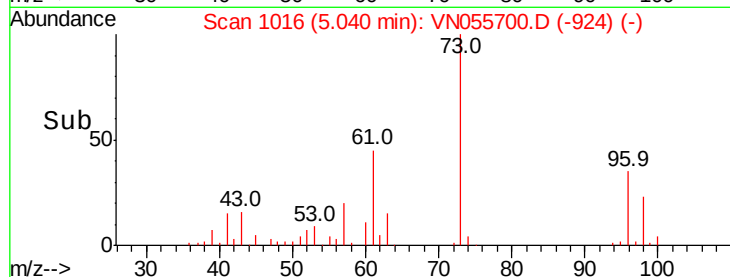
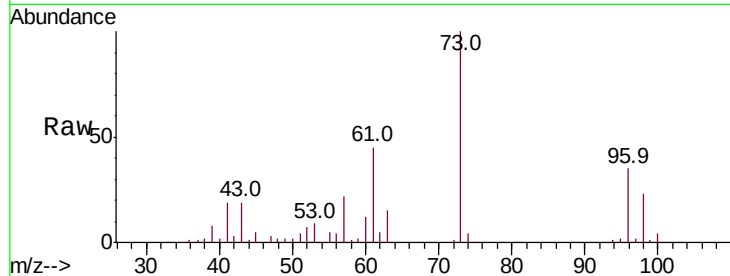
#19
Methyl tert-butyl Ether
Concen: 22.552 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion: 73 Resp: 205836
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2

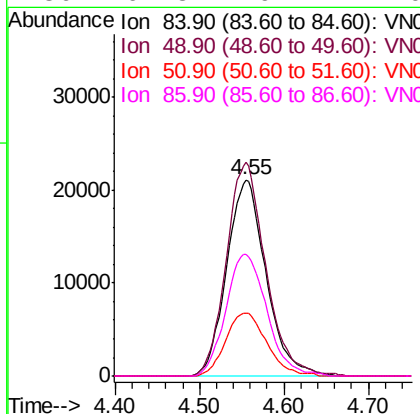
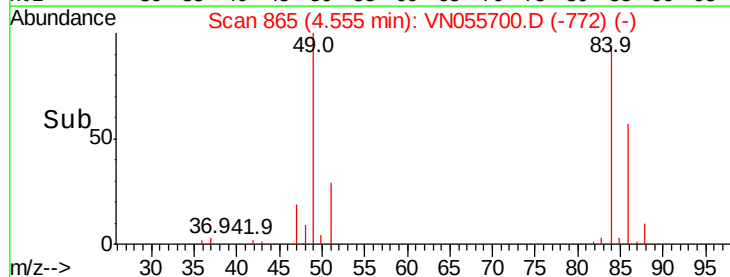
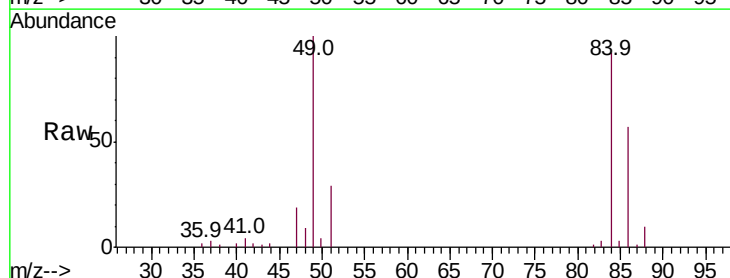
Manual Integrations
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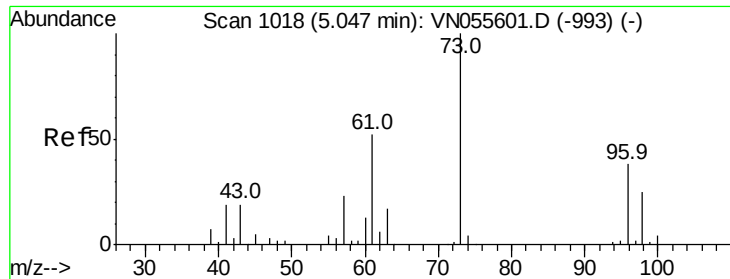
MMDadoda
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#20
Methylene Chloride
Concen: 22.183 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion: 84 Resp: 68417
Ion Ratio Lower Upper
84 100
49 109.0 91.0 136.4
51 31.9 27.5 41.3
86 62.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.653 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 96 Resp: 63639

Ion Ratio Lower Upper

96 100

61 125.5 108.6 162.8

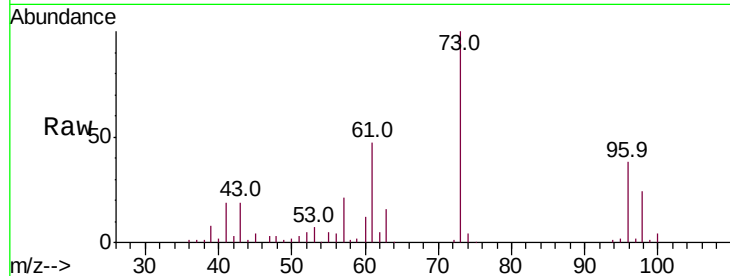
98 64.8 51.4 77.0

Manual Integrations

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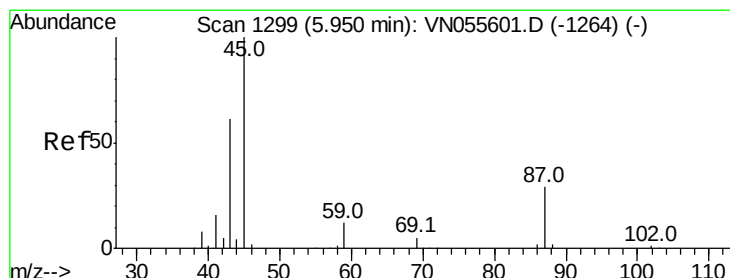
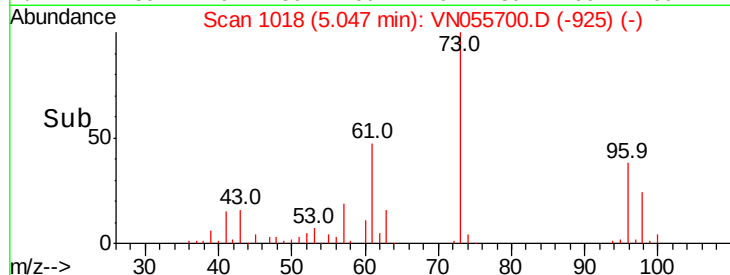
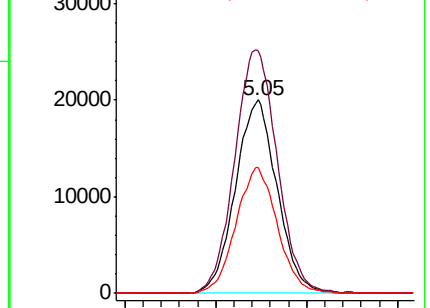
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Abundance Ion 95.90 (95.60 to 96.60): VN055700.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN055700.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN055700.D (-1206) (-)



#22

Diisopropyl ether

Concen: 21.829 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion: 45 Resp: 192657

Ion Ratio Lower Upper

45 100

43 61.6 50.4 75.6

87 31.3 23.8 35.6

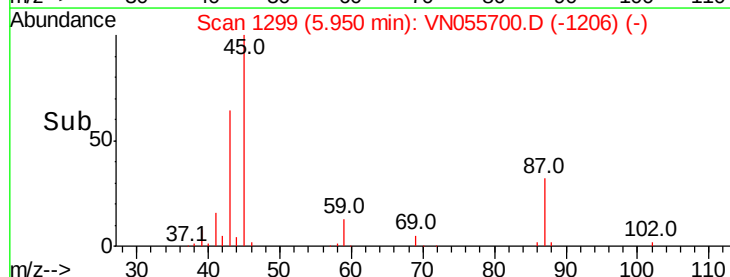
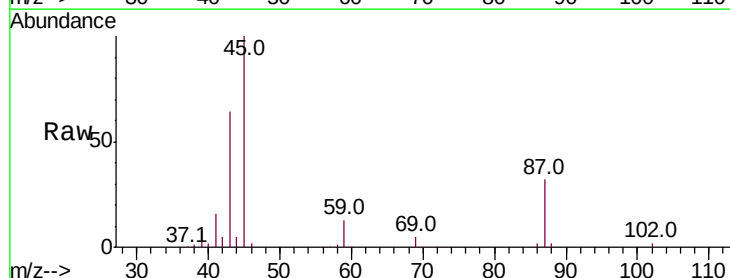
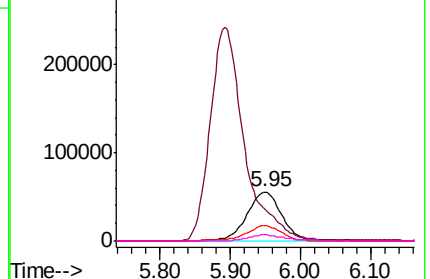
59 12.4 9.5 14.3

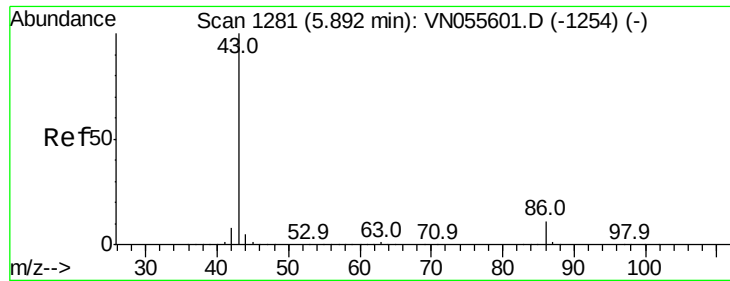
Abundance Ion 45.00 (44.70 to 45.70): VN055700.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN055700.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN055700.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN055700.D (-1206) (-)





#23

Vinyl Acetate

Concen: 109.567 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 43 Resp: 820527

Ion Ratio Lower Upper

43 100

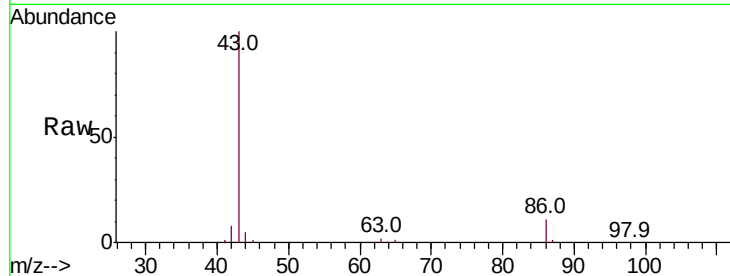
86 11.3 8.7 13.1

Manual Integrations

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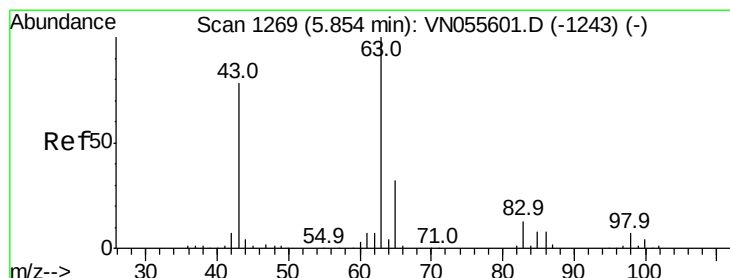
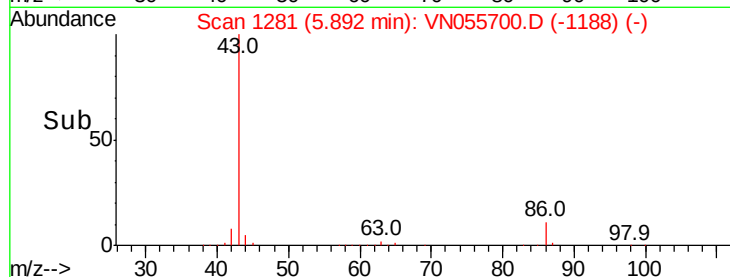
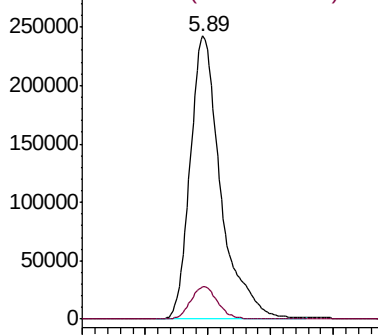
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.431 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

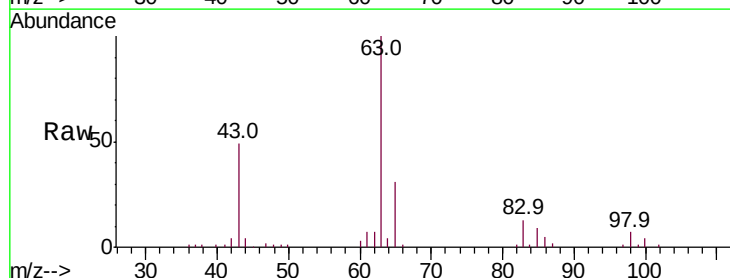
Tgt Ion: 63 Resp: 116078

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

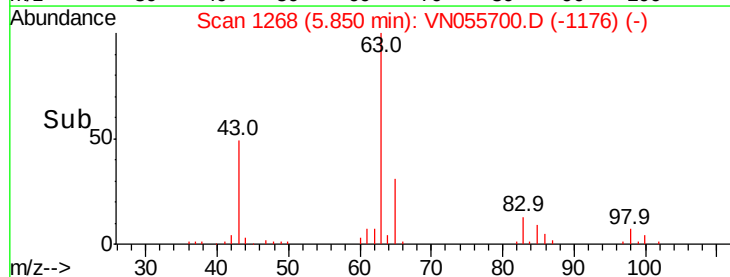
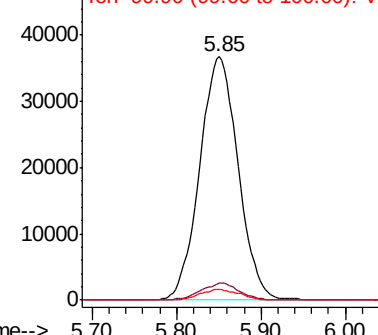
100 4.4 2.2 6.6

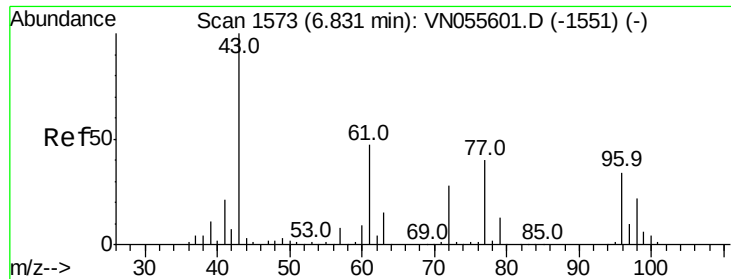


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





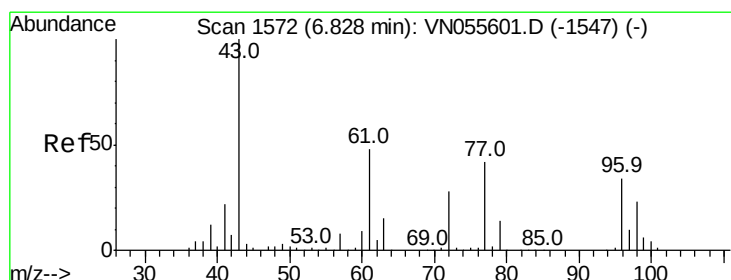
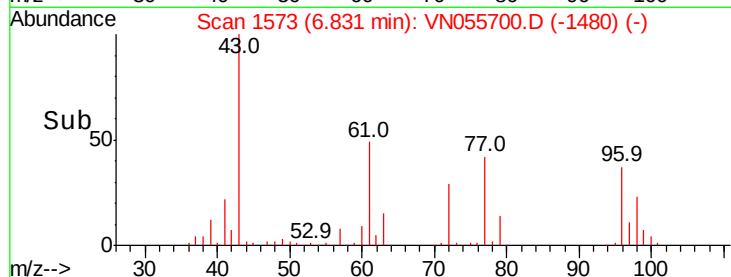
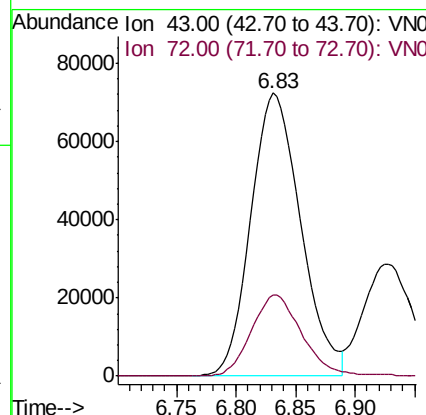
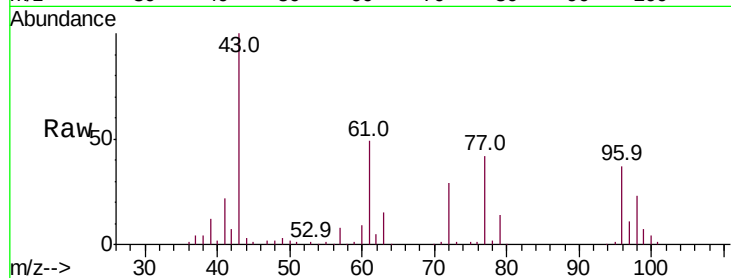
#25
2-Butanone
Concen: 110.678 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion: 43 Resp: 209141
Ion Ratio Lower Upper
43 100
72 28.6 22.3 33.5

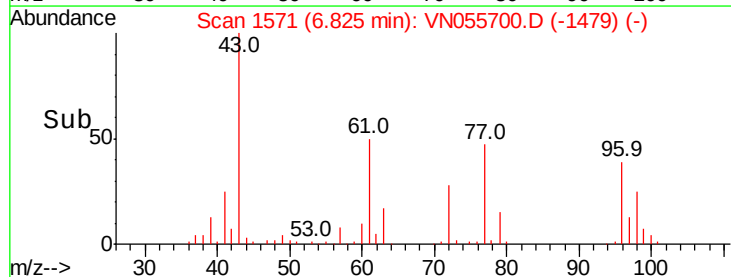
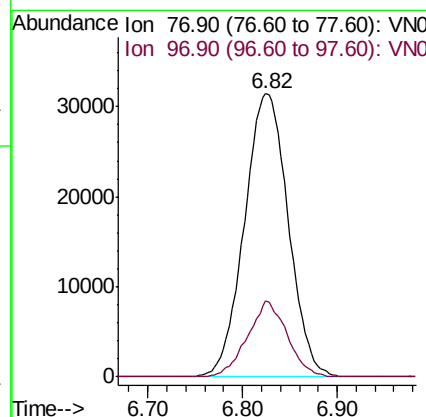
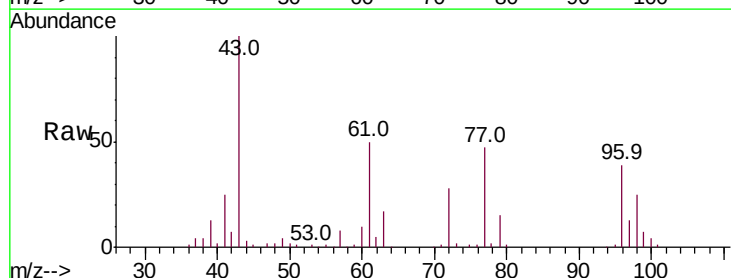
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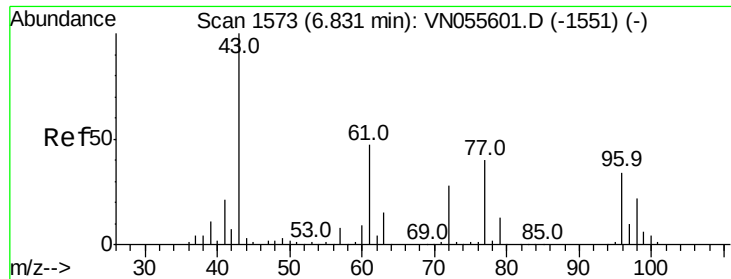
MMDadoda
5/22/2019 4:11:21 PM



#26
2,2-Dichloropropane
Concen: 22.031 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion: 77 Resp: 101186
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 22.437 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

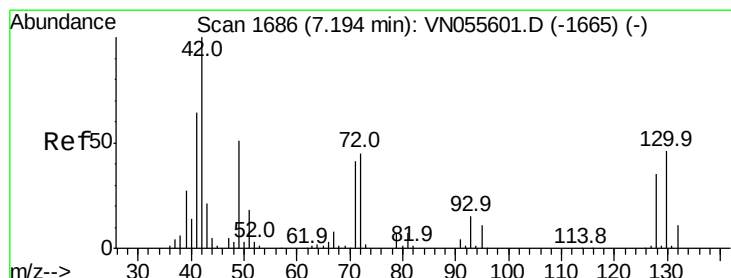
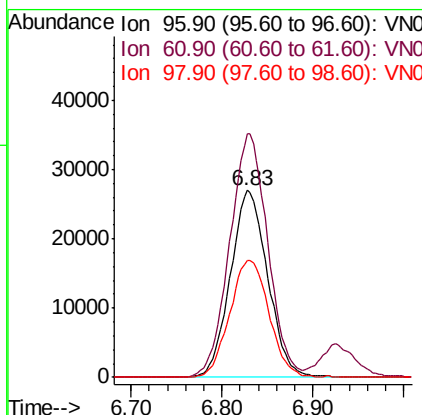
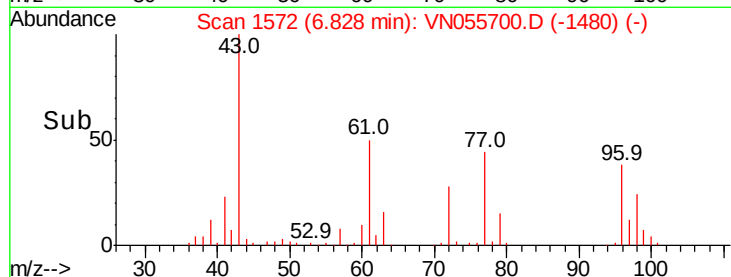
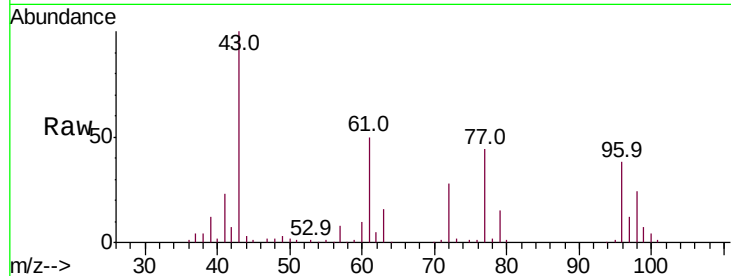
ClientSampled :

VN0521MBS01

Tot Ion:	96	Resp:	76790
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	279.0
98	65.9	0.0	131.6

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#28

Bromochloromethane

Concen: 18.168 ug/l

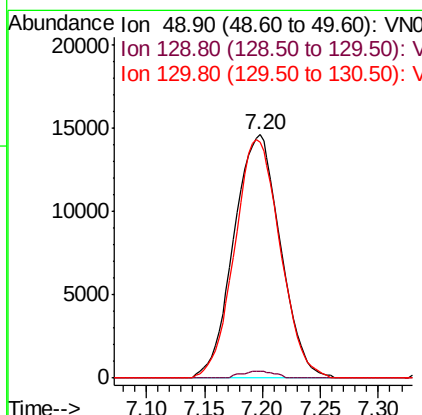
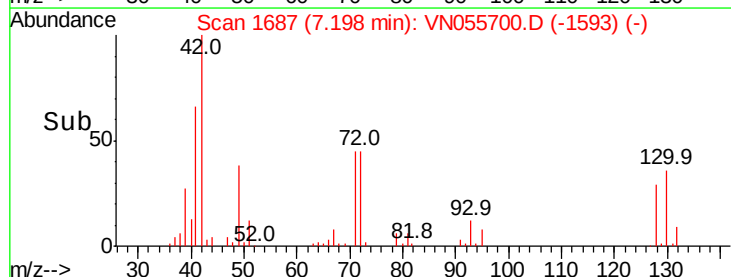
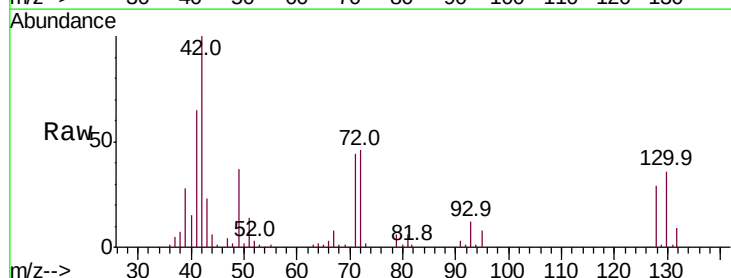
RT: 7.20 min Scan# 1687

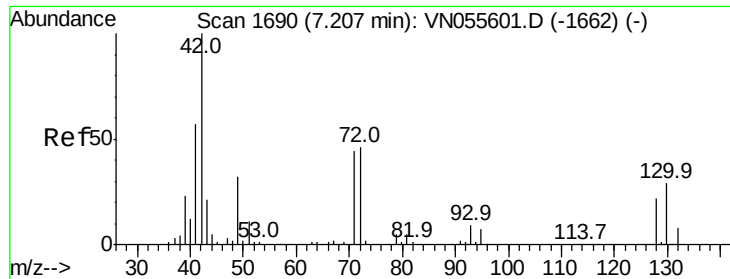
Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	49	Resp:	40903
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	95.6	71.0	106.6





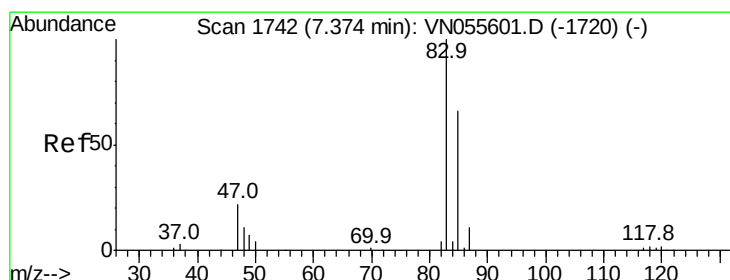
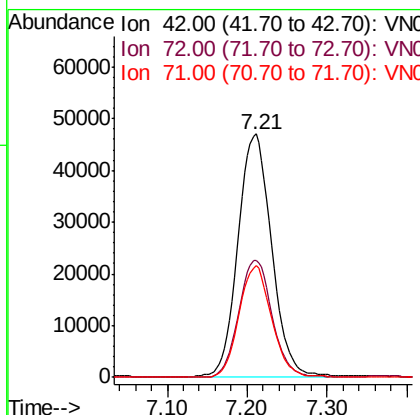
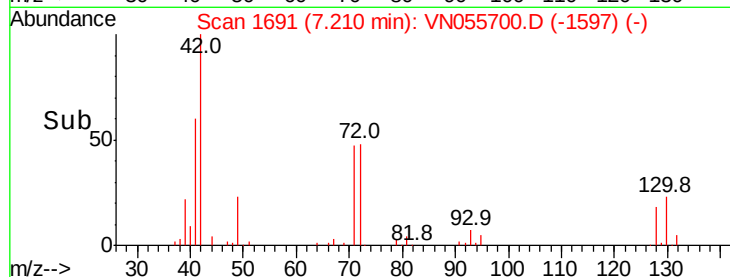
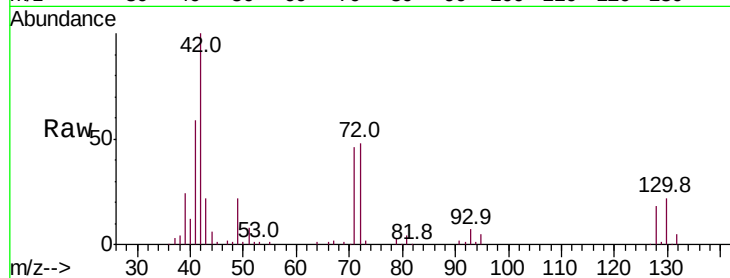
#29
Tetrahydrofuran
Concen: 107.652 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.5	54.7
71	44.2	34.9	52.3

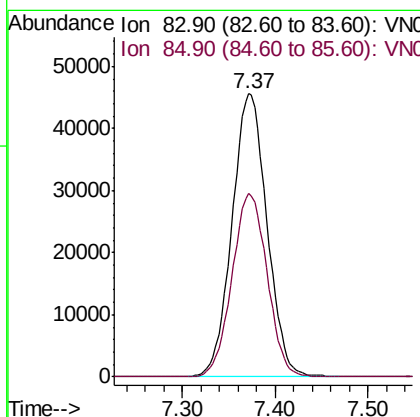
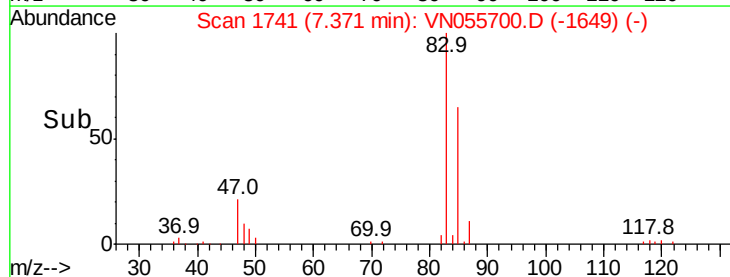
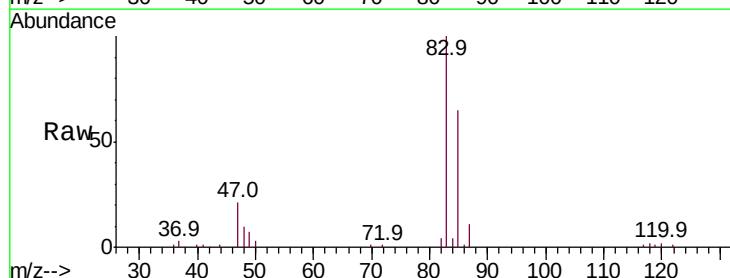
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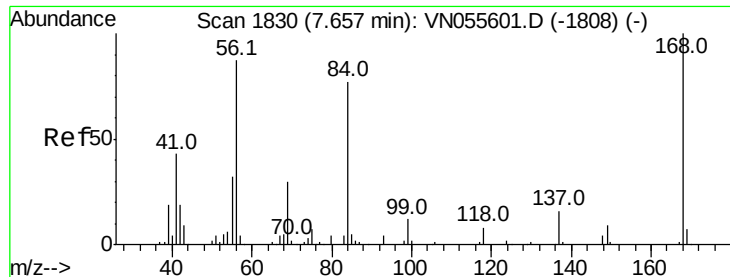
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#30
Chloroform
Concen: 22.473 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8





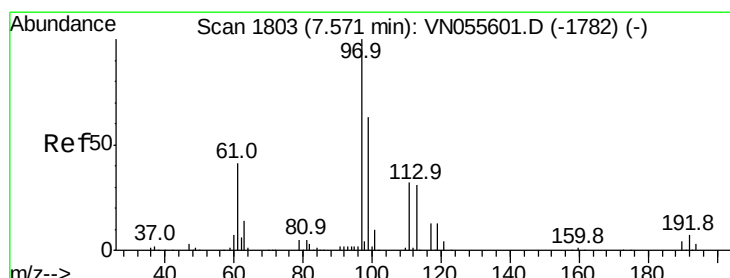
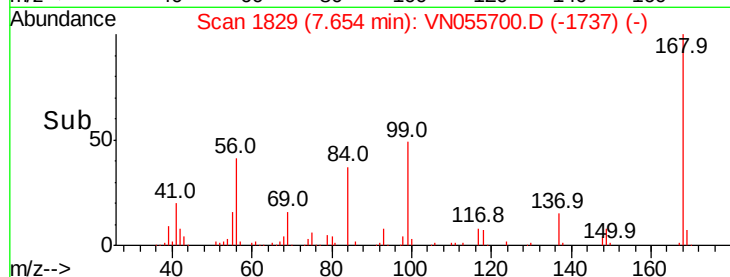
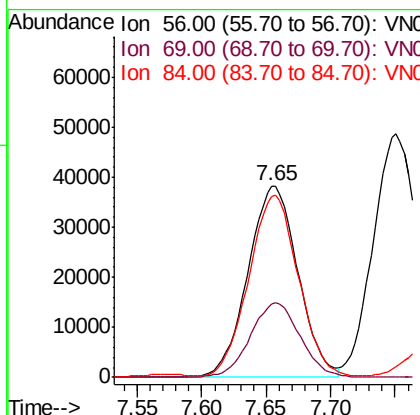
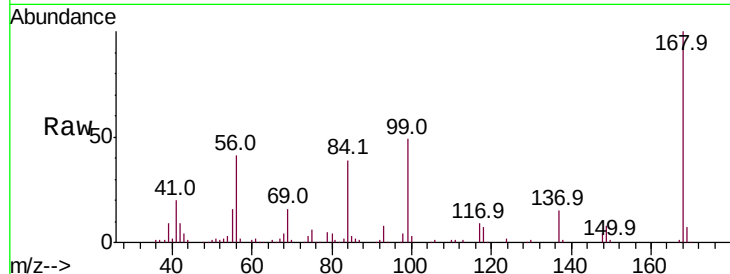
#31
Cyclohexane
Concen: 20.994 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.2	40.8
84	93.4	71.3	106.9

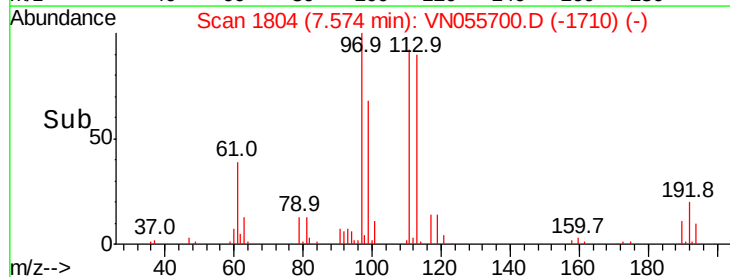
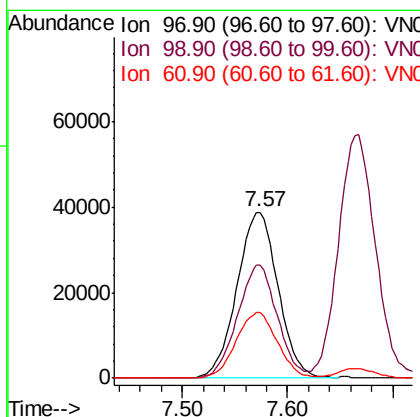
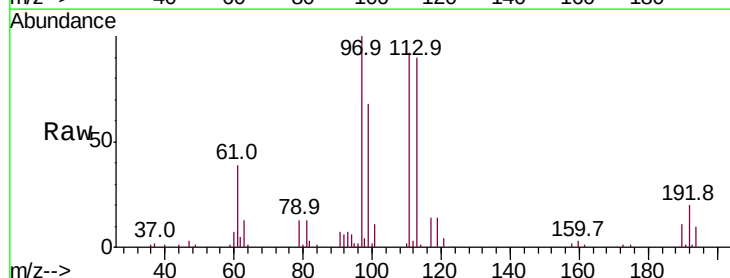
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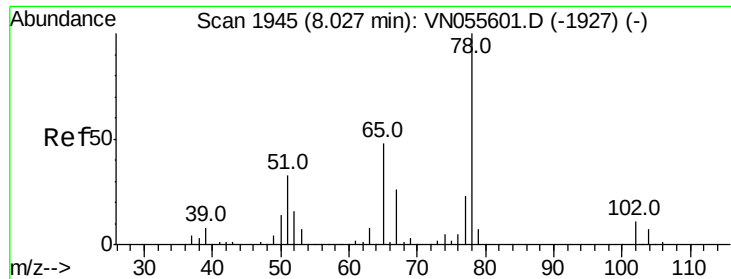
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#32
1,1,1-Trichloroethane
Concen: 22.088 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	39.6	32.9	49.3





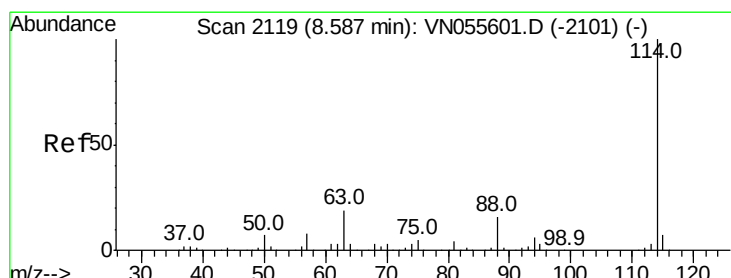
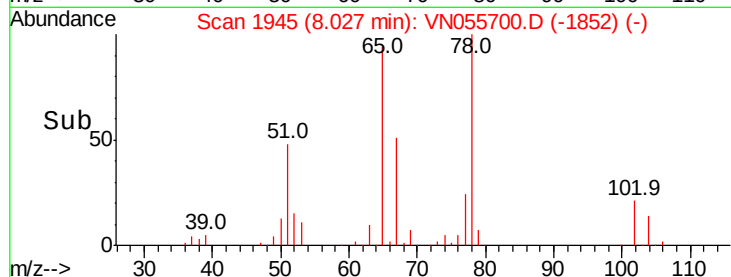
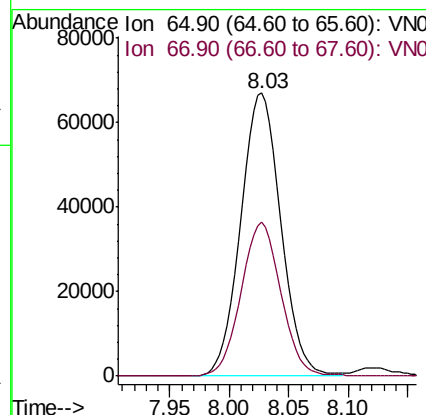
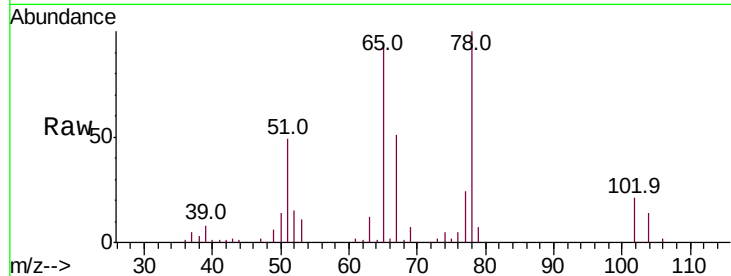
#33
 1,2-Dichloroethane-d4
 Concen: 47.303 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.6	

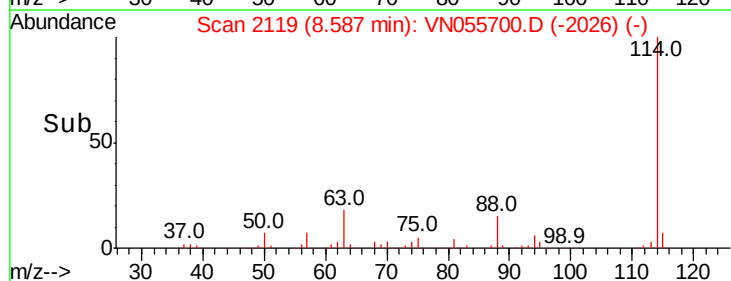
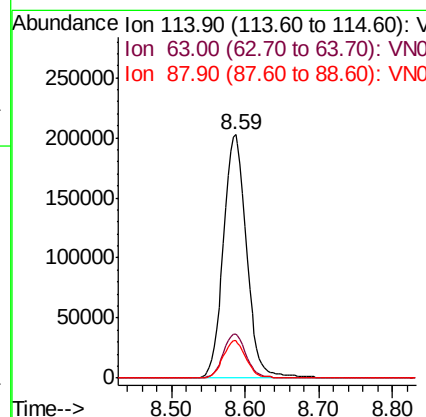
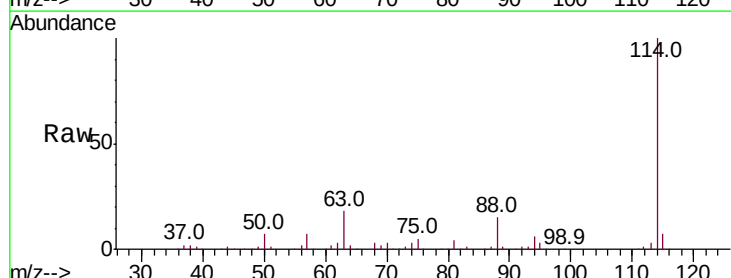
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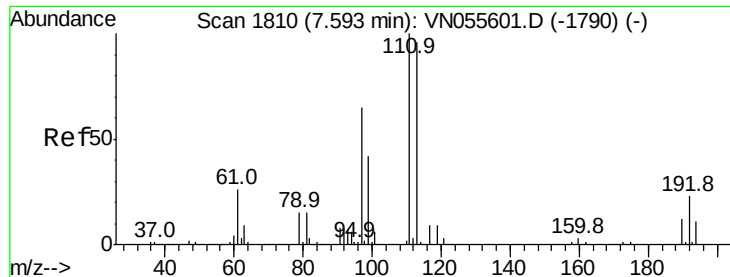
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	38.2	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.405 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

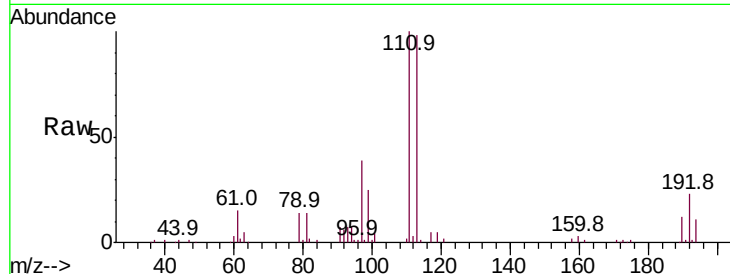
ClientSampleId :

VN0521MBS01

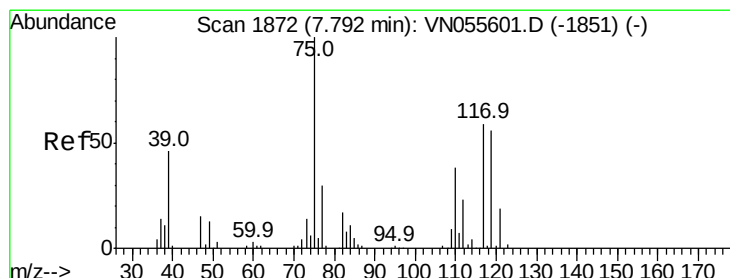
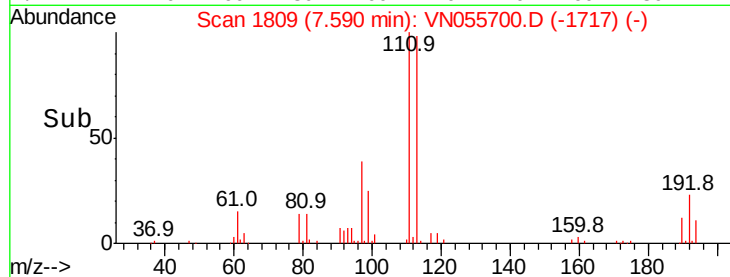
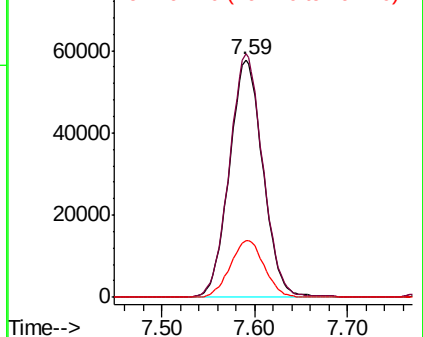
Tot Ion:	113	Resp:	145020
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.5	123.7
192	24.2	18.7	28.1

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



#36

1,1-Dichloropropene

Concen: 21.773 ug/l

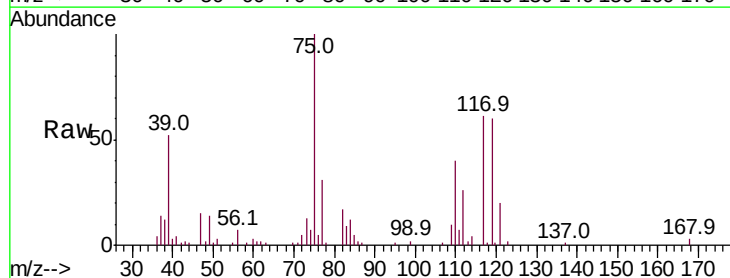
RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

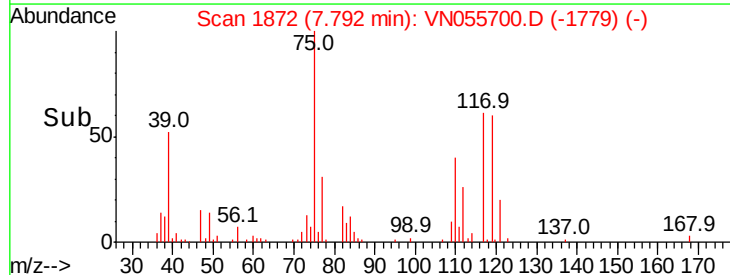
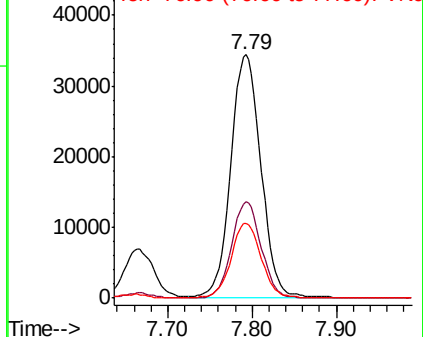
Lab File: VN055700.D

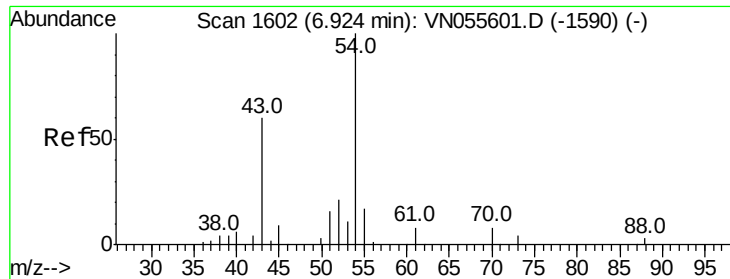
Acq: 21 May 2019 11:30

Tgt Ion:	75	Resp:	86209
Ion	Ratio	Lower	Upper
75	100		
110	38.3	18.6	55.6
77	30.6	24.9	37.3



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





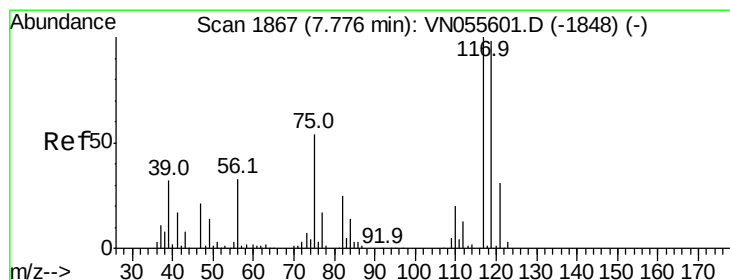
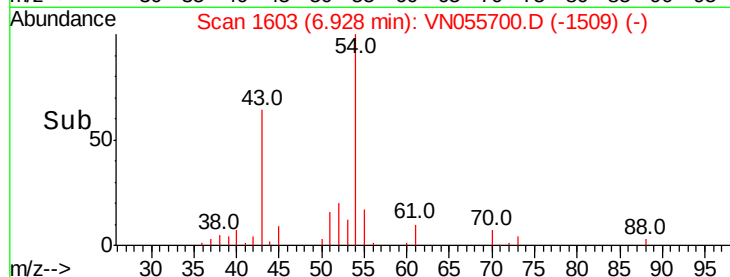
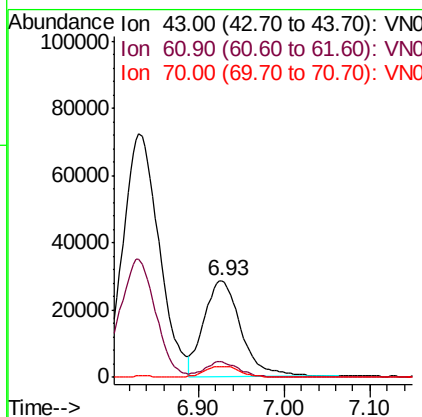
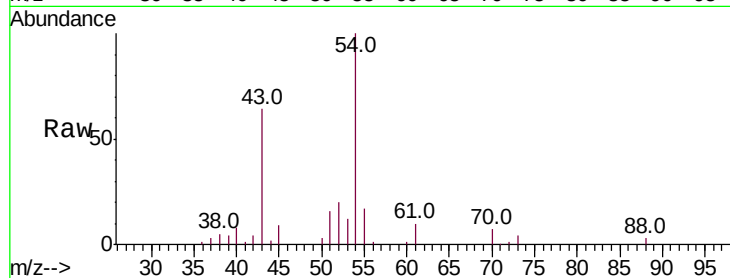
#37
Ethyl Acetate
Concen: 23.701 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.4	17.0
70	5.7	9.2	13.8

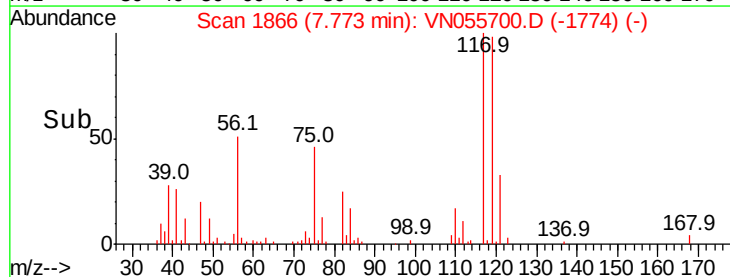
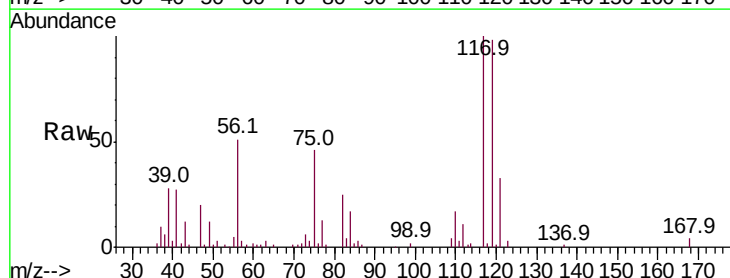
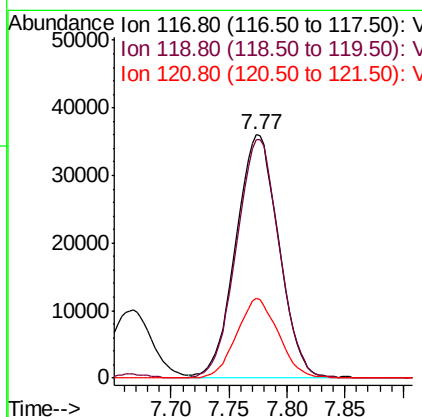
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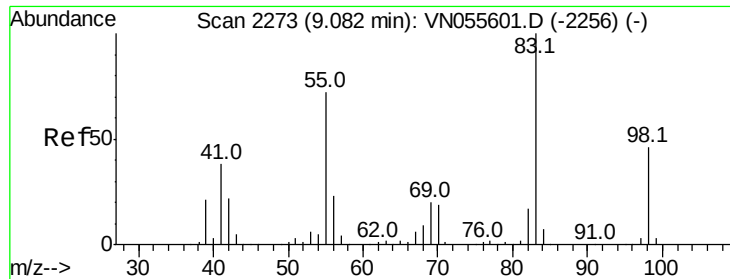
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#38
Carbon Tetrachloride
Concen: 21.800 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.8	116.8
121	33.2	24.6	37.0





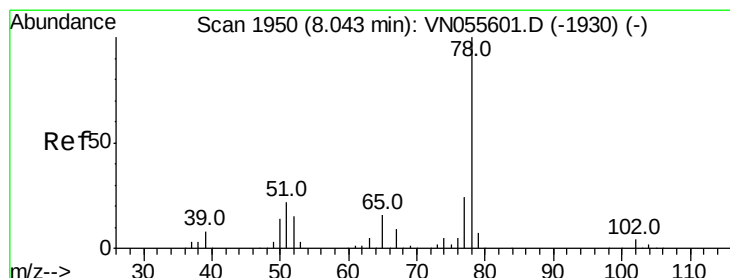
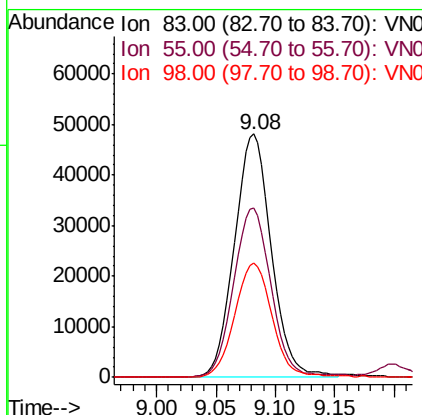
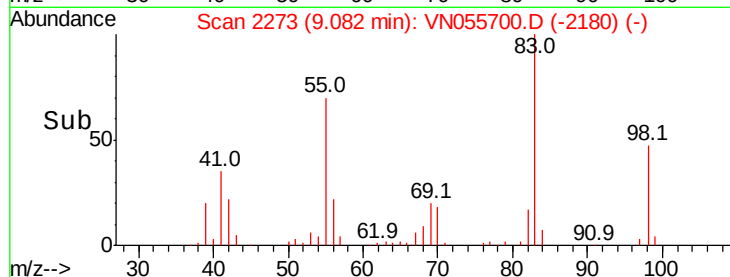
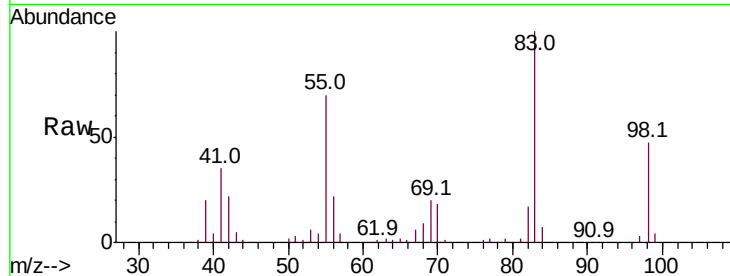
#39
Methylvlcyclohexane
Concen: 21.760 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	57.8	86.6
98	46.8	36.7	55.1

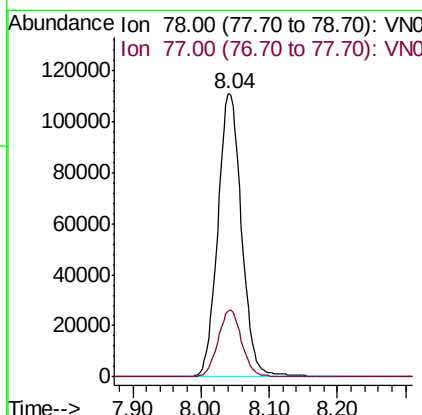
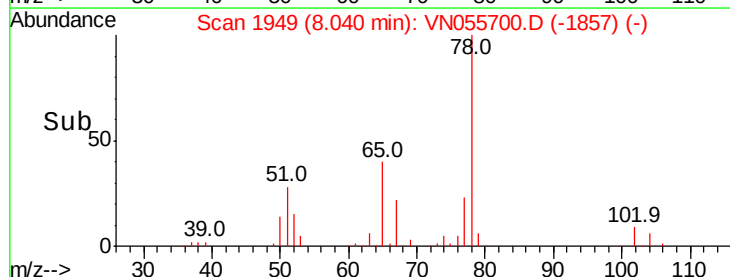
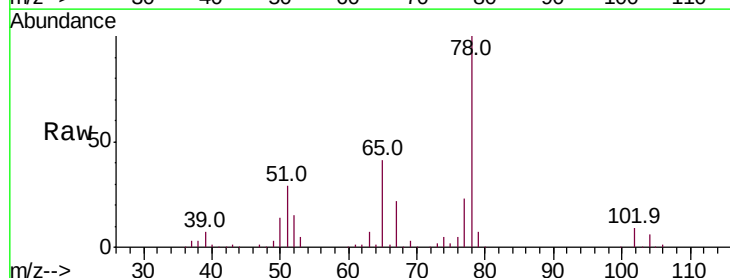
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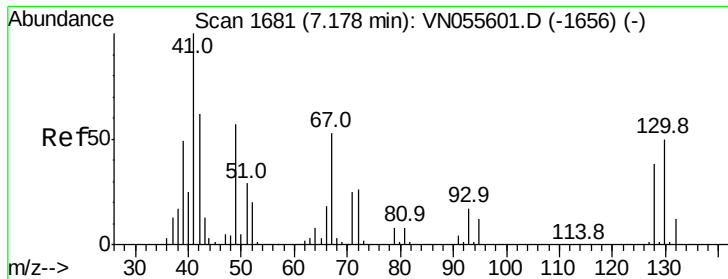
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#40
Benzene
Concen: 23.075 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





#41

Methacrylonitrile

Concen: 24.932 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 41 Resp: 38085

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

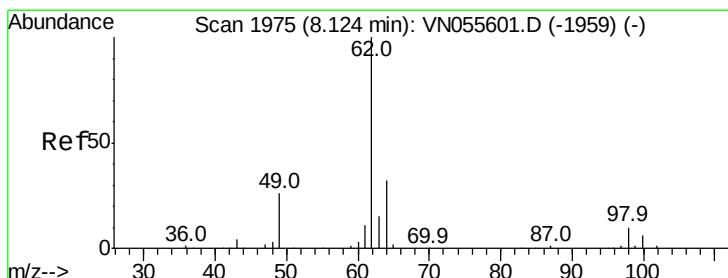
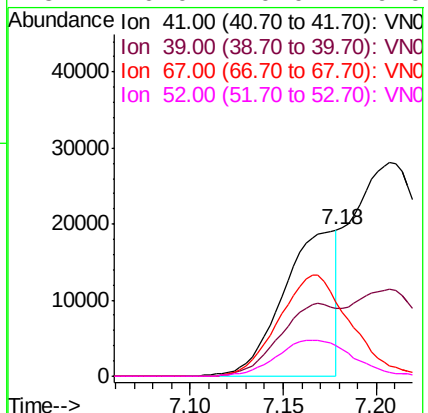
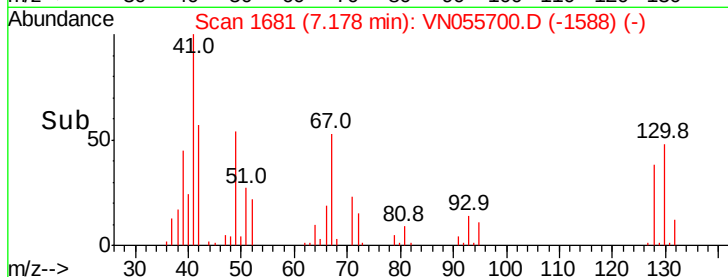
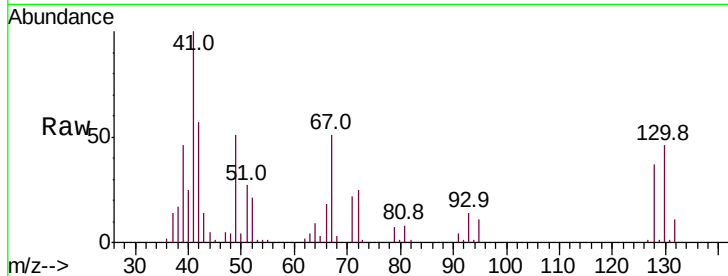
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 23.363 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055700.D

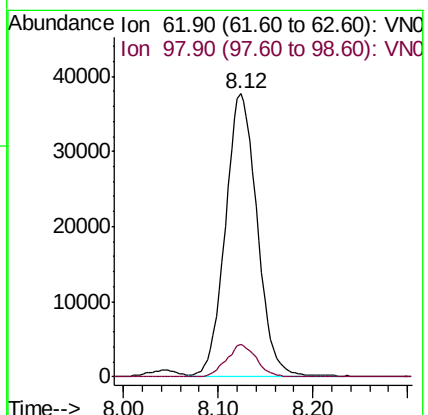
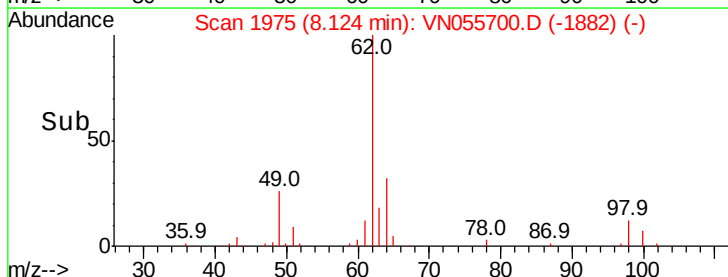
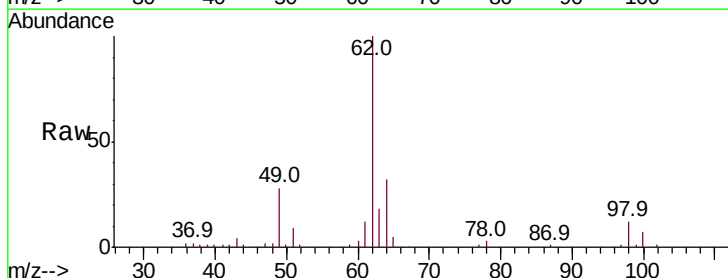
Acq: 21 May 2019 11:30

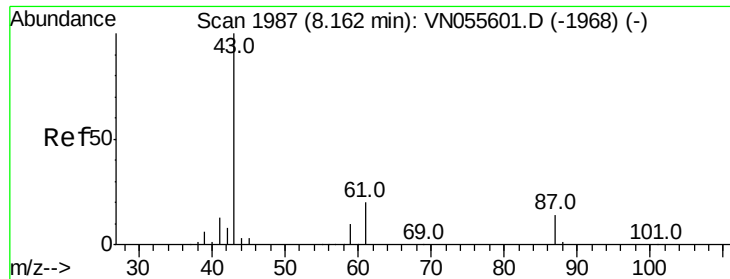
Tgt Ion: 62 Resp: 88104

Ion Ratio Lower Upper

62 100

98 10.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 22.551 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

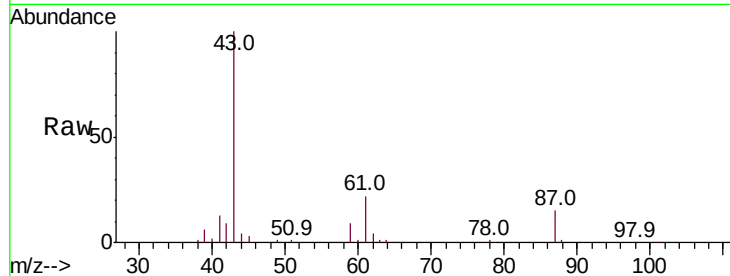
ClientSampleId :

VN0521MBS01

Tot Ion:	43	Resp:	140155
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.1	33.1
87	14.9	11.8	17.6

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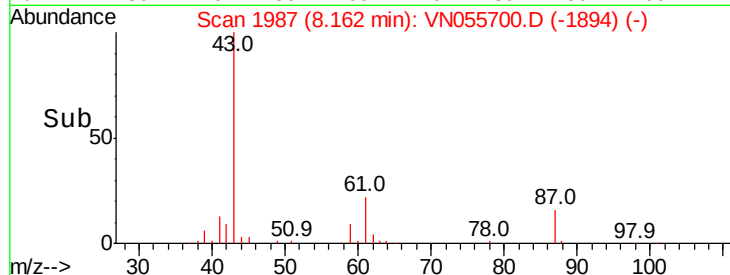
Abundance Ion 43.00 (42.70 to 43.70): VN055700.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055700.D (-1894) (-)

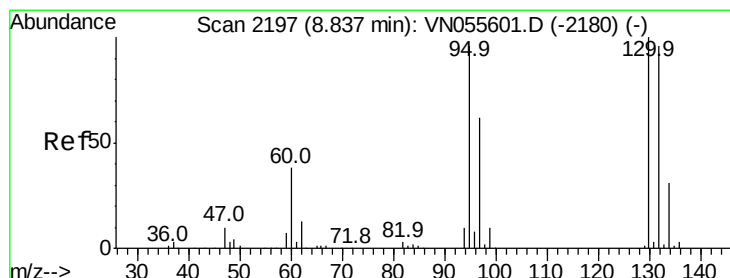
Ion 87.00 (86.70 to 87.70): VN055700.D (-1894) (-)

8.16

Time-->



Time-->



#44

Trichloroethene

Concen: 23.289 ug/l

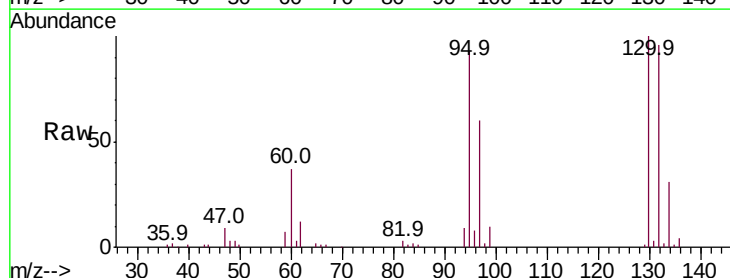
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	130	Resp:	76531
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	191.0

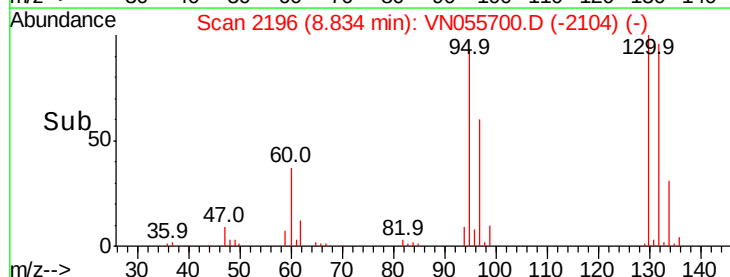


Abundance Ion 129.80 (129.50 to 130.50): VN055700.D (-2104) (-)

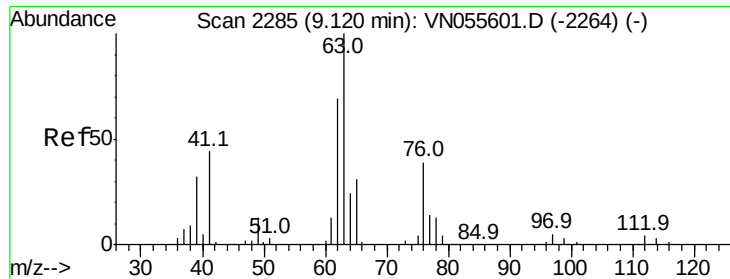
Ion 94.90 (94.60 to 95.60): VN055700.D (-2104) (-)

8.83

Time-->



Time-->



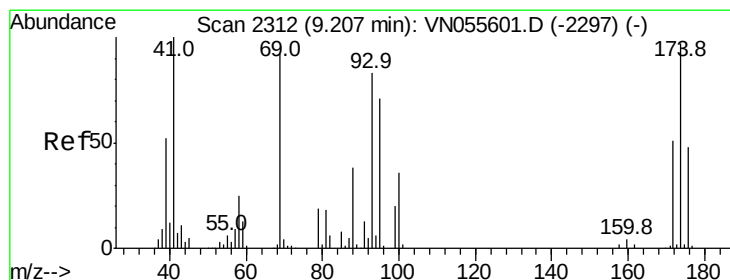
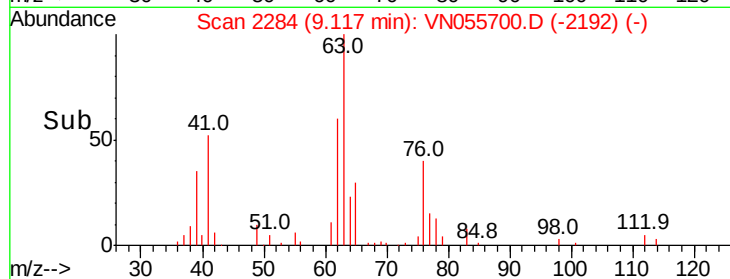
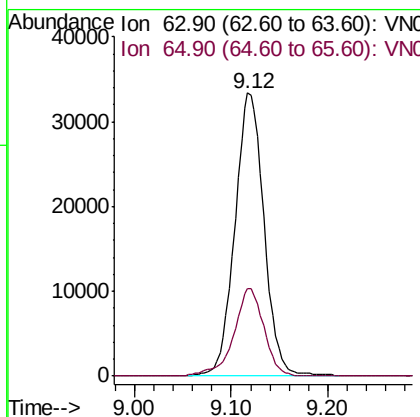
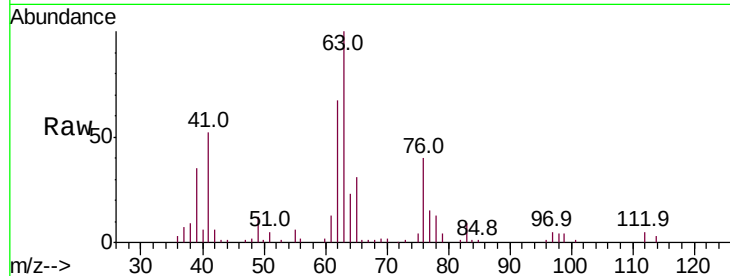
#45
 1,2-Dichloropropane
 Concen: 22.790 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion: 63 Resp: 69919
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8

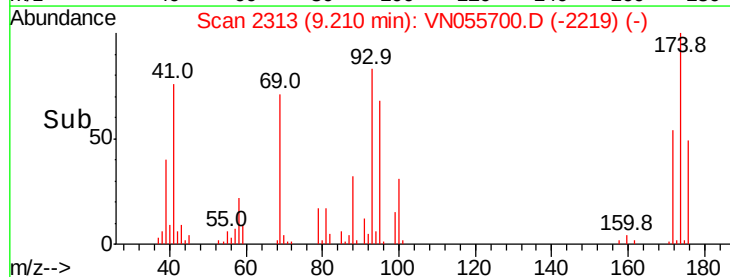
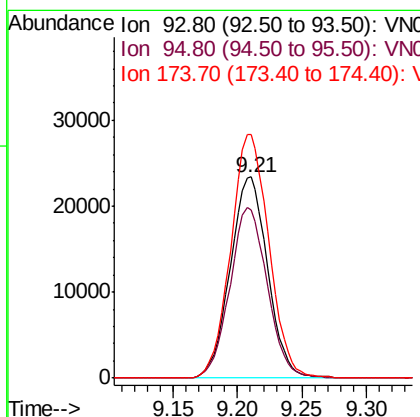
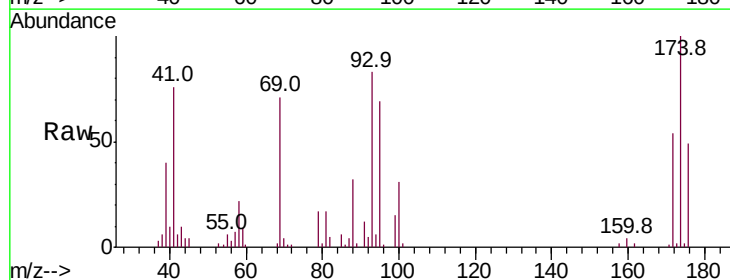
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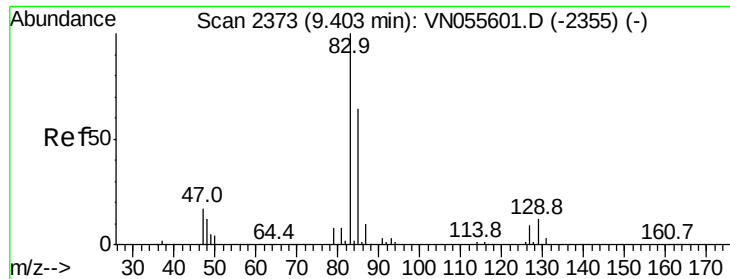
MMDadoda
 5/22/2019 4:11:21 PM



#46
 Dibromomethane
 Concen: 23.497 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion: 93 Resp: 47182
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.9 101.9
 174 123.4 93.8 140.6





#47

Bromodichloromethane

Concen: 22.799 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

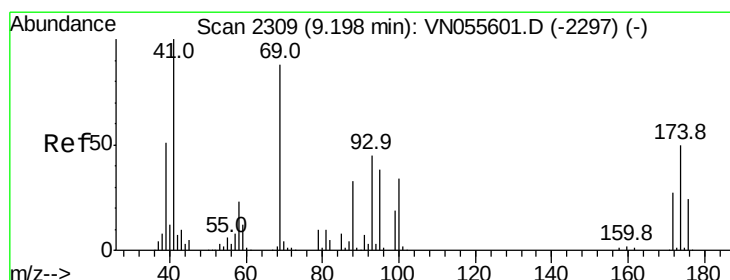
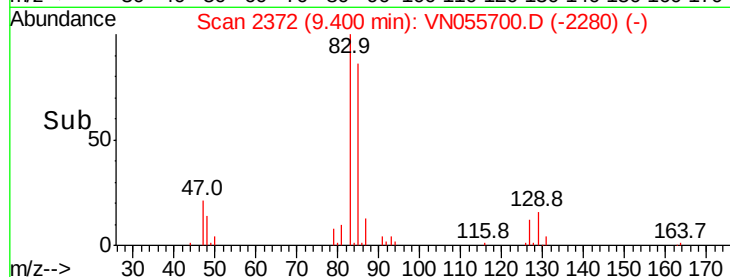
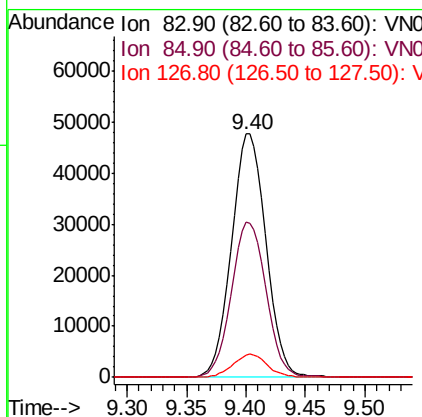
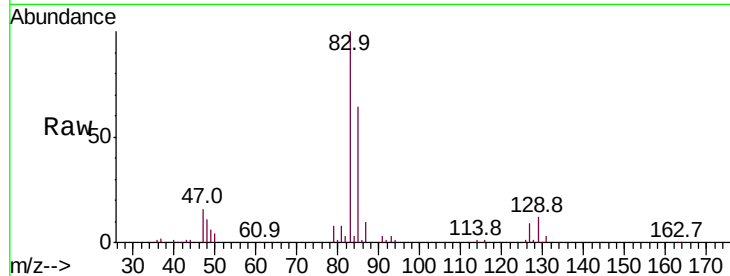
ClientSampleId :

VN0521MBS01

Tot Ion:	83	Resp:	95949
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	9.2	7.1	10.7

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#48

Methyl methacrylate

Concen: 21.864 ug/l

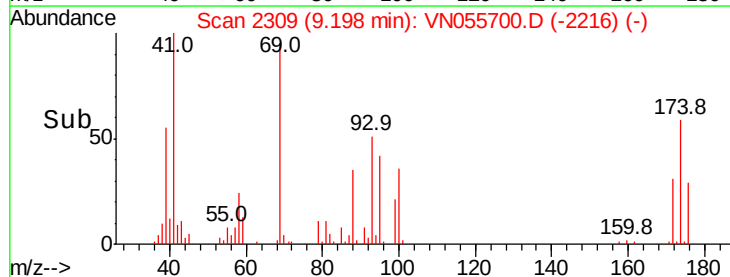
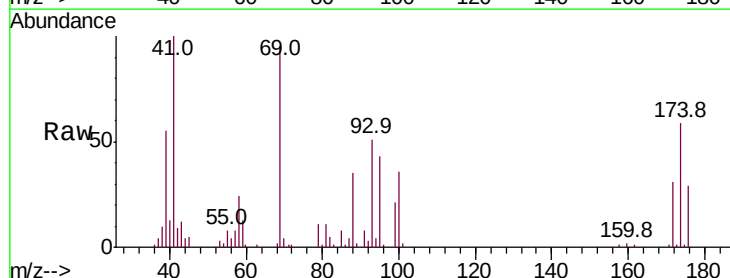
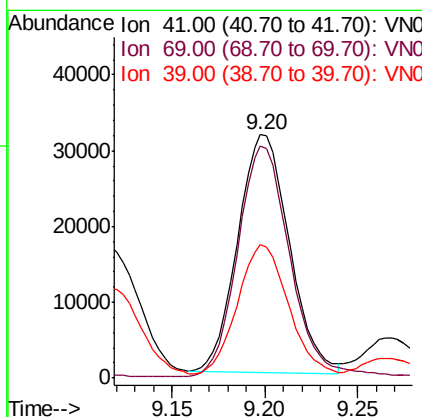
RT: 9.20 min Scan# 2309

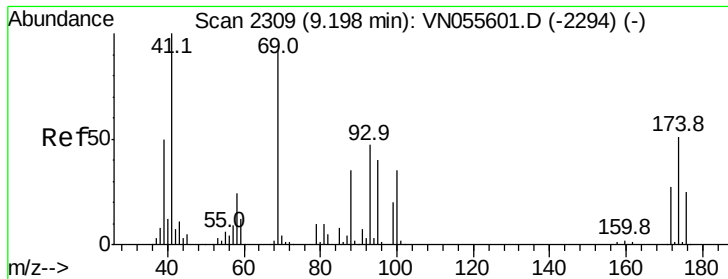
Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	41	Resp:	60735
Ion	Ratio	Lower	Upper
41	100		
69	100.9	74.2	111.2
39	57.0	43.8	65.8





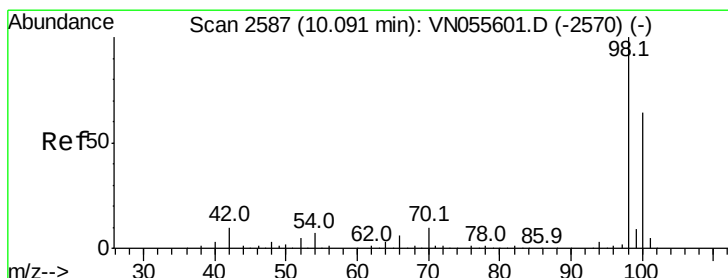
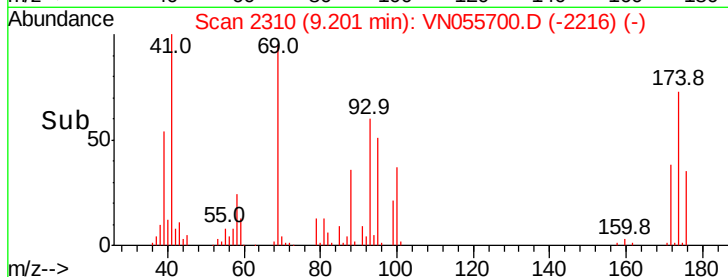
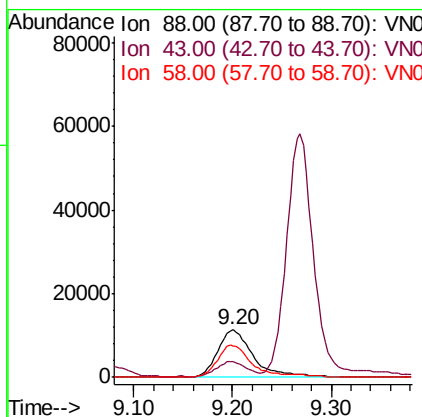
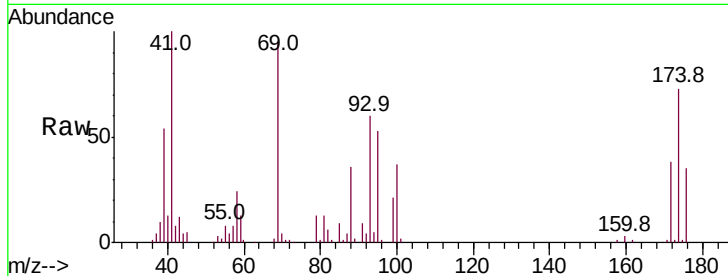
#49
1,4-Dioxane
Concen: 521.786 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	22.4	33.6
58	67.6	53.4	80.2

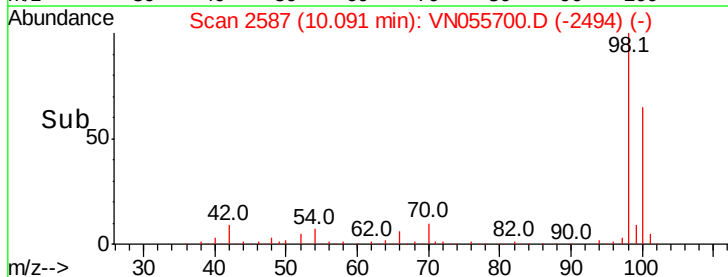
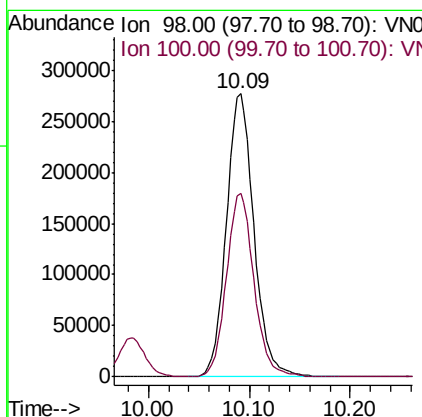
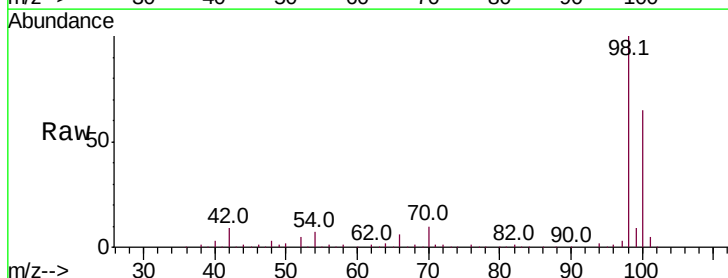
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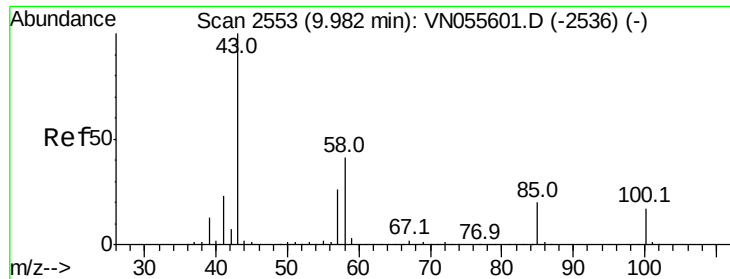
MMDadoda
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#50
Toluene-d8
Concen: 49.491 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 112.061 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion: 43 Resp: 408529

Ion Ratio Lower Upper

43 100

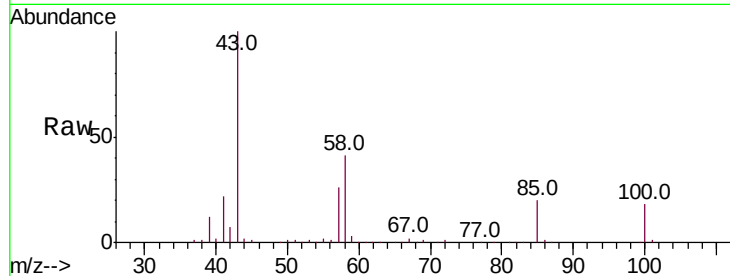
58 41.4 32.7 49.1

Manual Integrations

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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

200000

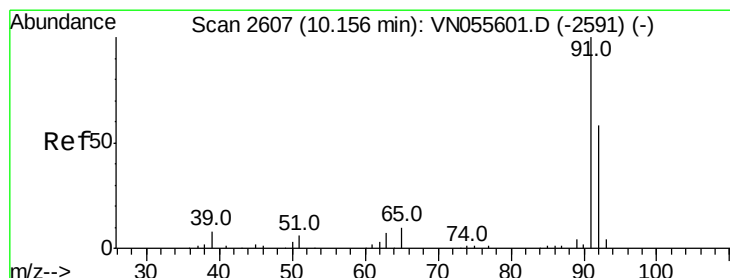
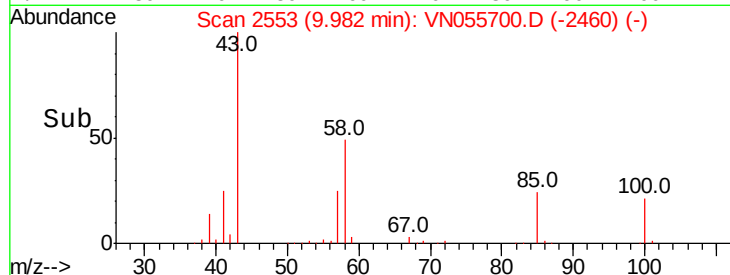
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.955 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055700.D

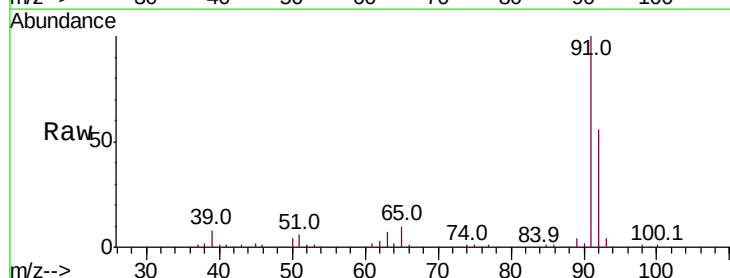
Acq: 21 May 2019 11:30

Tgt Ion: 92 Resp: 167677

Ion Ratio Lower Upper

92 100

91 175.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

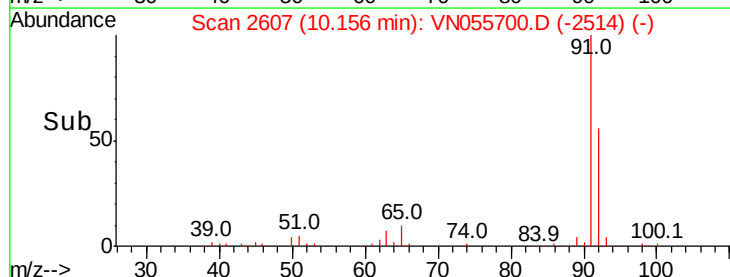
150000

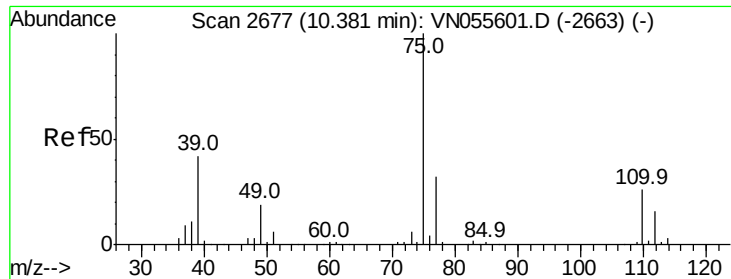
100000

50000

0

Time-->





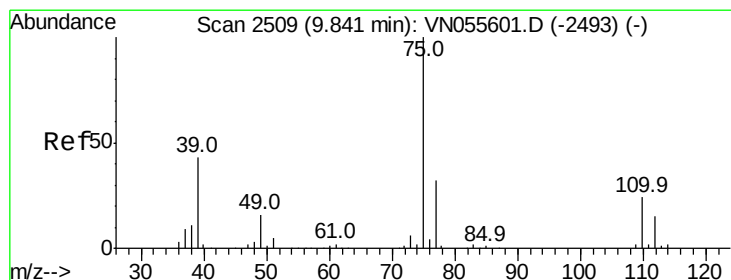
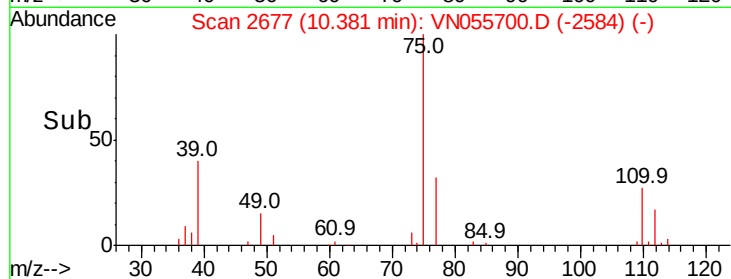
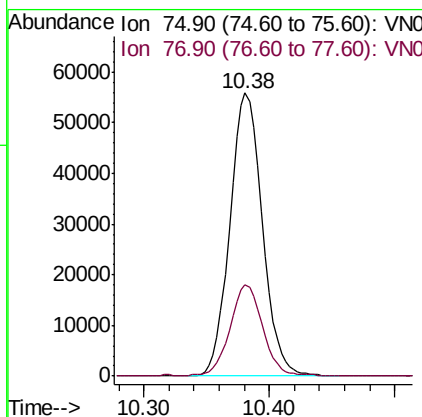
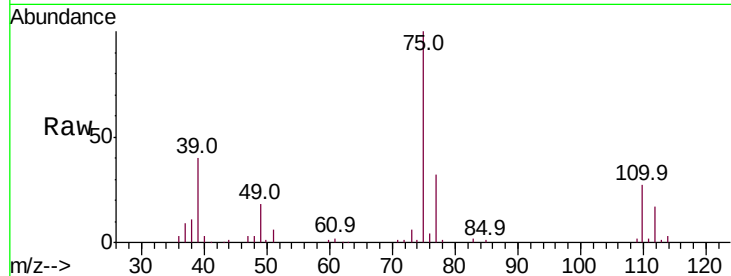
#53
t-1,3-Dichloropropene
Concen: 22.190 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

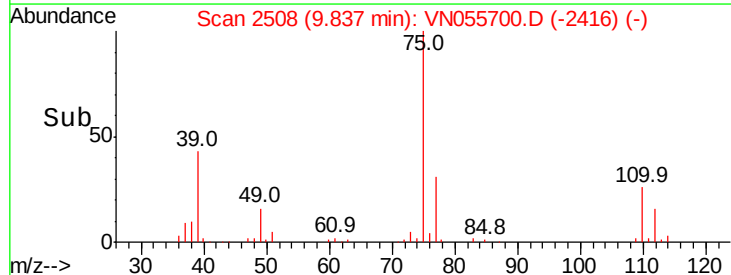
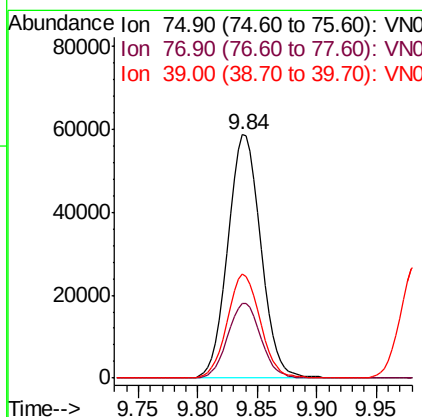
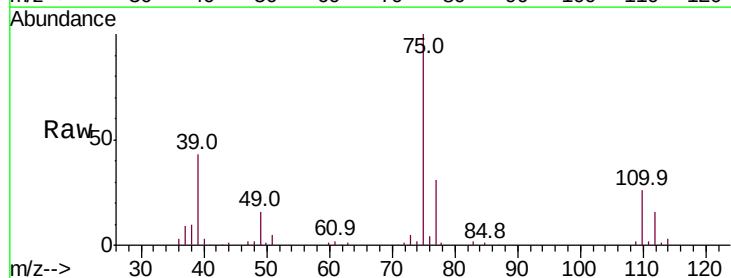
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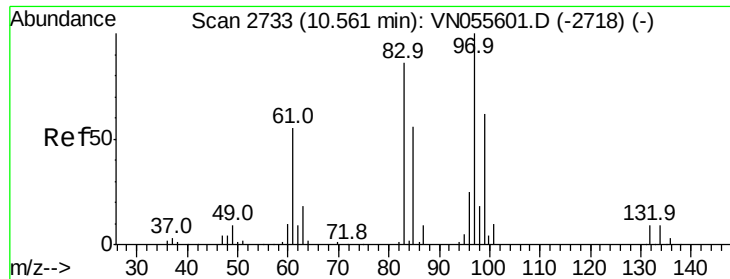
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#54
cis-1,3-Dichloropropene
Concen: 22.739 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5
39	42.6	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 23.065 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

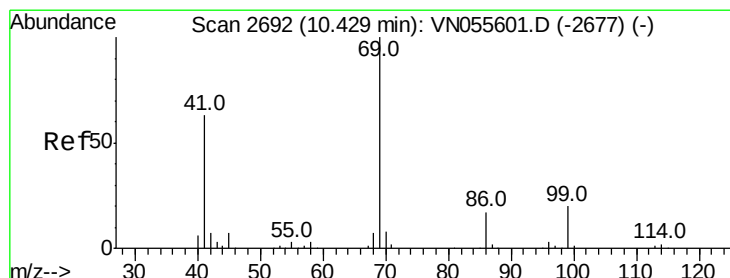
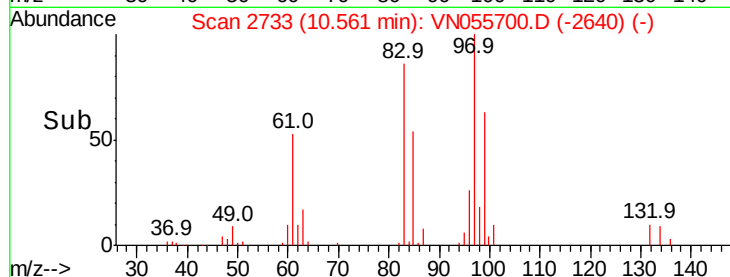
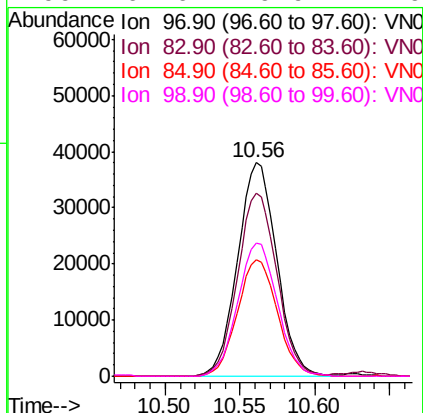
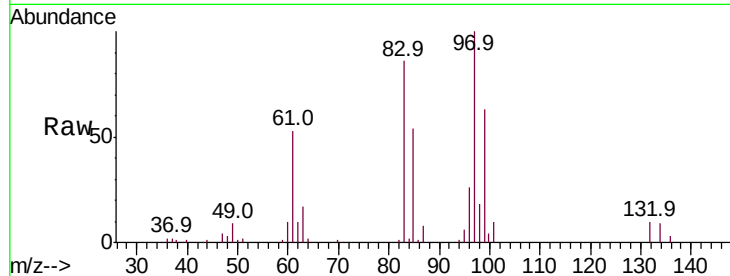
ClientSampled :

VN0521MBS01

Tot Ion:	97	Resp:	69360
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.4	102.6
85	54.4	44.8	67.2
99	62.6	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.232 ug/l

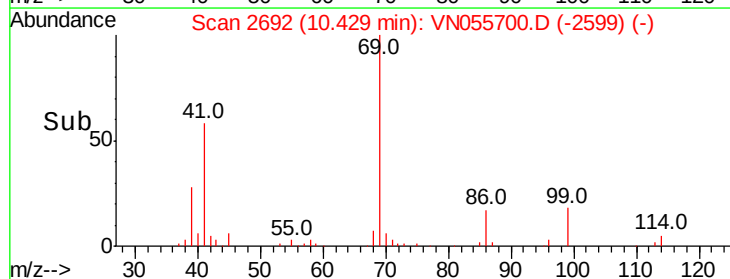
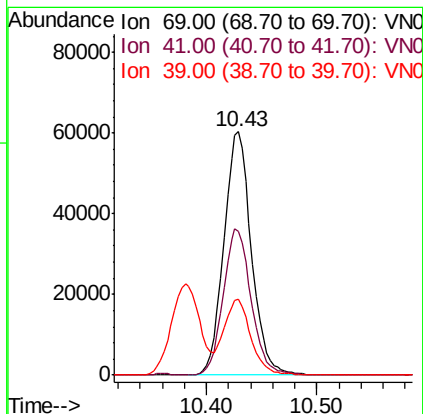
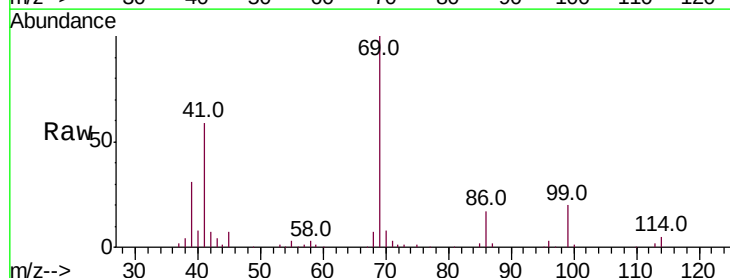
RT: 10.43 min Scan# 2692

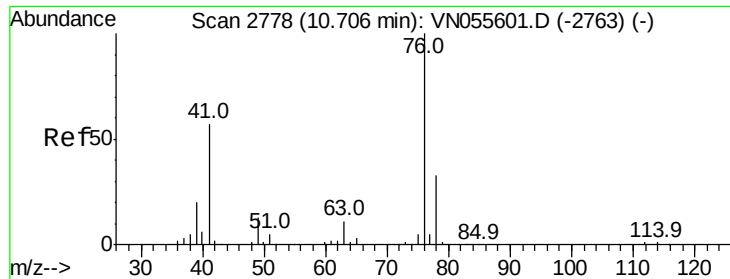
Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	69	Resp:	104363
Ion	Ratio	Lower	Upper
69	100		
41	59.9	50.3	75.5
39	30.7	25.4	38.2





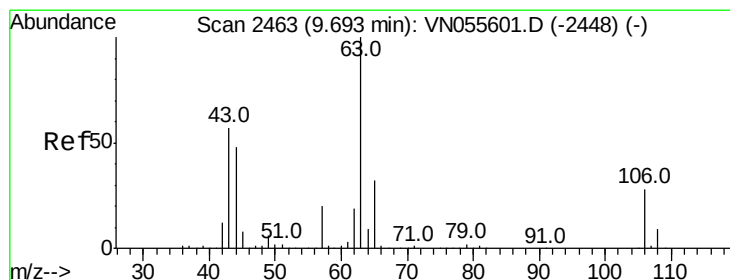
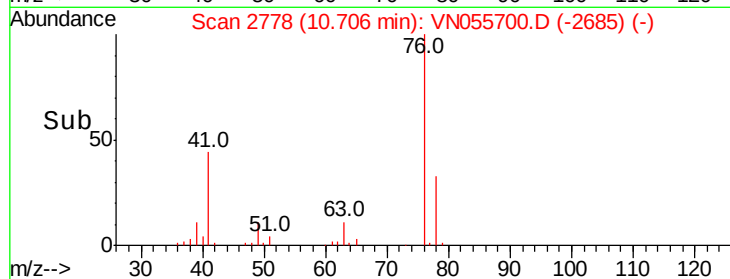
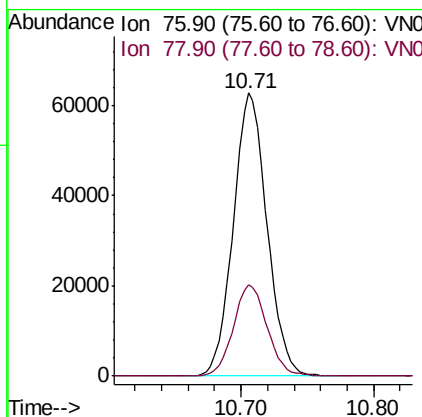
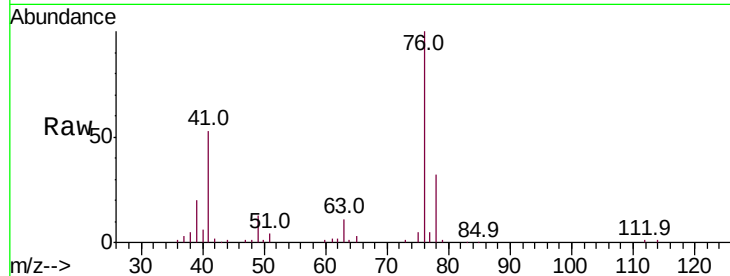
#57
 1,3-Dichloropropane
 Concen: 23.218 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.5	39.7

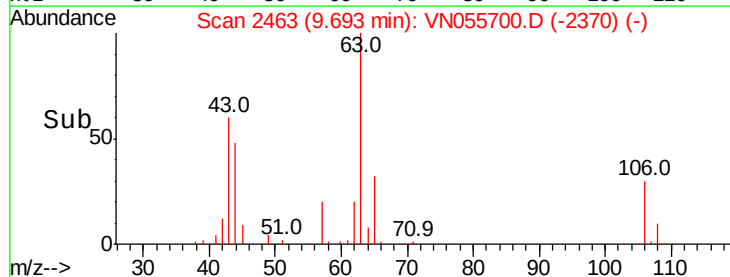
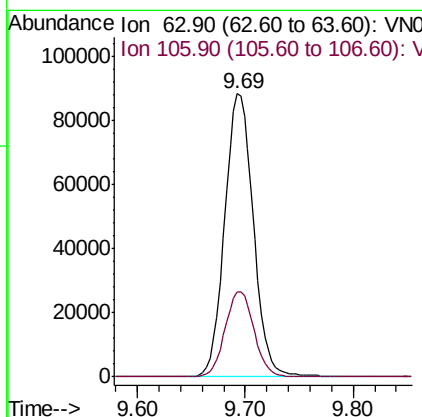
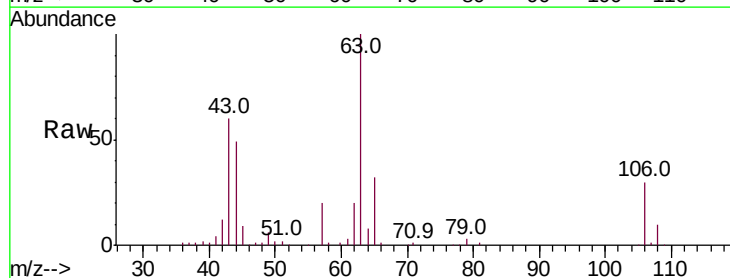
Manual Integrations
 APPROVED

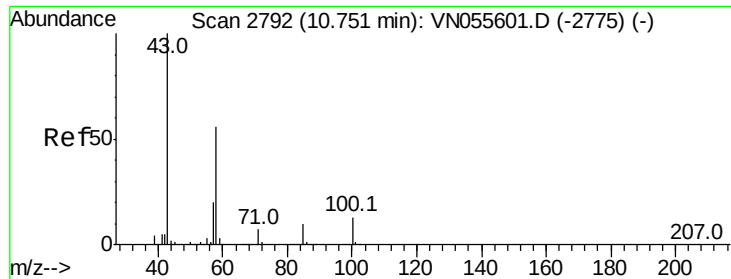
MMDadoda
 5/22/2019 4:11:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.796 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.0	34.6





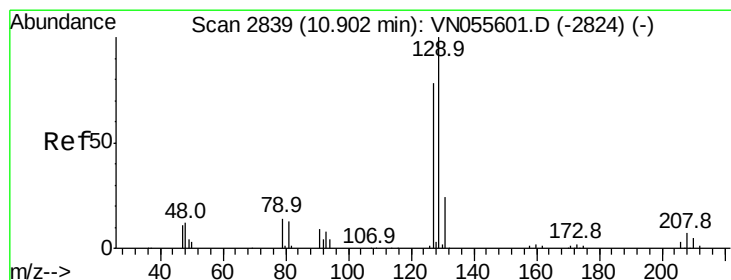
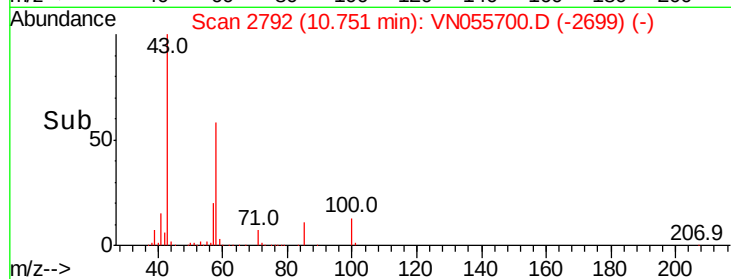
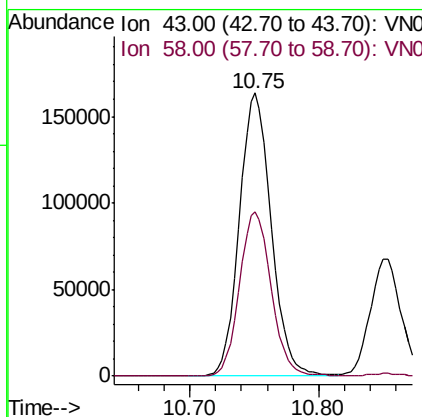
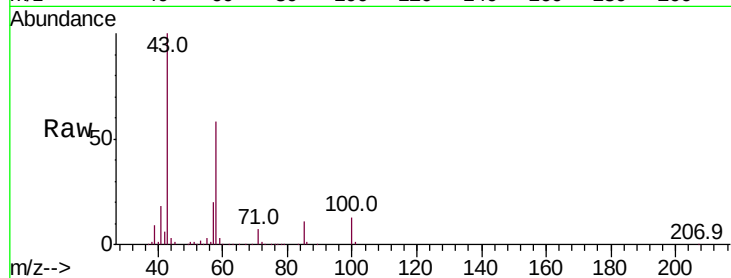
#59
2-Hexanone
Concen: 109.221 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	43	58	Ratio	100	57.9	Resp	280338	Lower	Upper
43	100								
58		57.9		28.1			84.4		

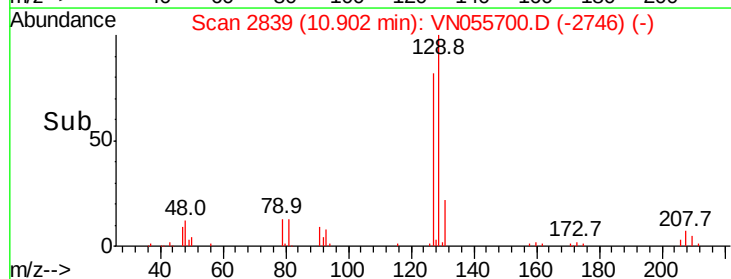
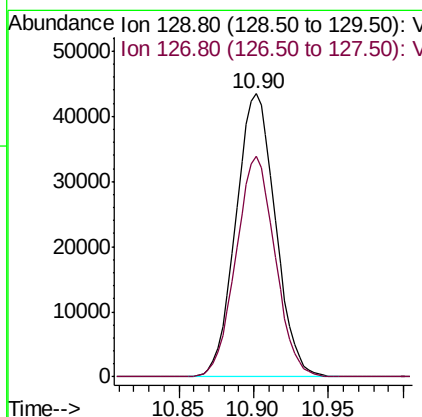
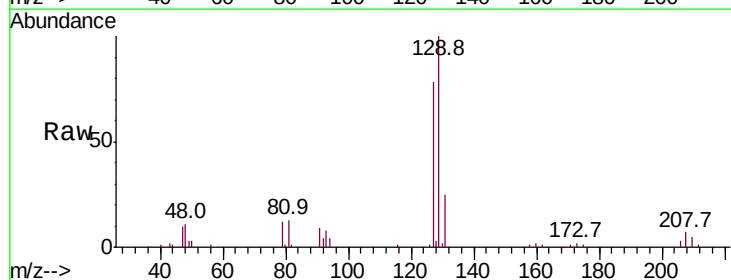
Manual Integrations
APPROVED

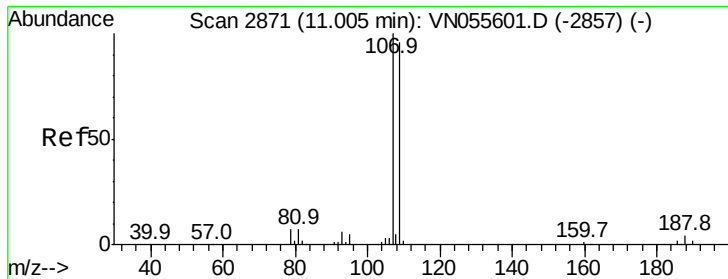
MMDadoda
5/22/2019 4:11:21 PM



#60
Dibromochloromethane
Concen: 23.445 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	129	127	Ratio	100	77.0	Resp	79905	Lower	Upper
129	100								
127		77.0		38.6			115.8		





#61

1,2-Dibromoethane

Concen: 23.658 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion:107 Resp: 71183

Ion Ratio Lower Upper

107 100

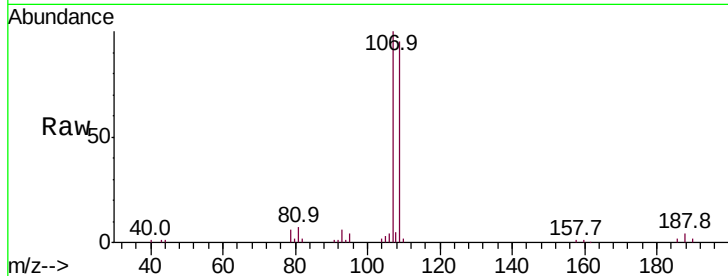
109 93.6 75.6 113.4

Manual Integrations

APPROVED

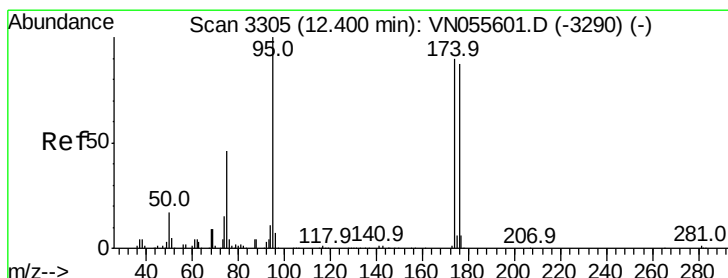
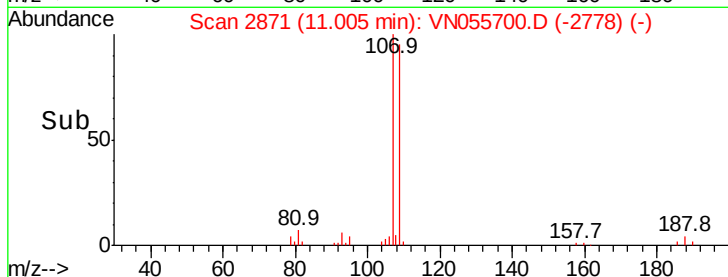
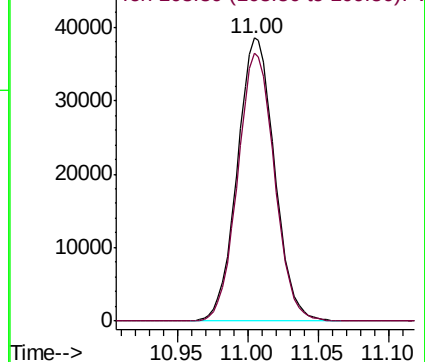
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.164 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

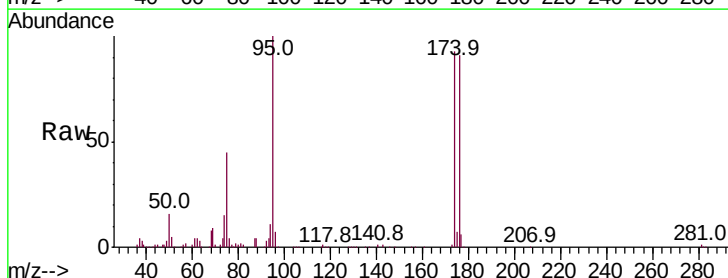
Tgt Ion: 95 Resp: 173728

Ion Ratio Lower Upper

95 100

174 94.9 0.0 180.6

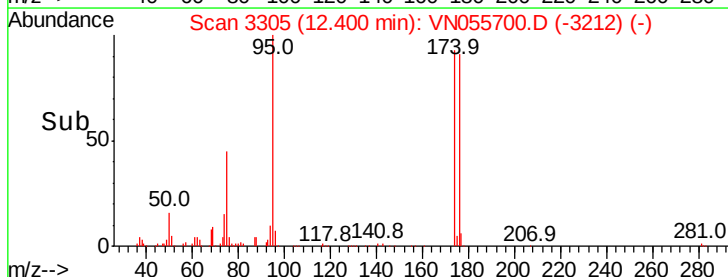
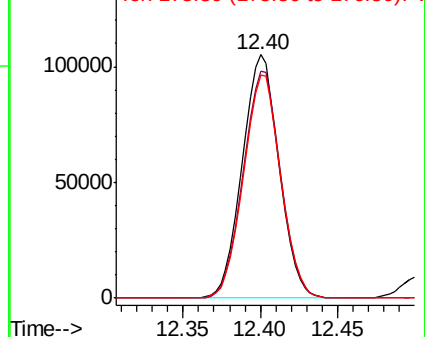
176 92.8 0.0 177.4

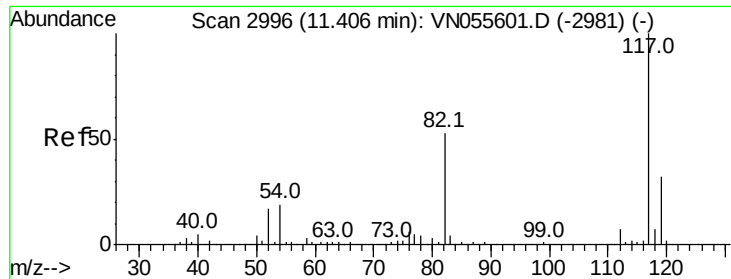


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





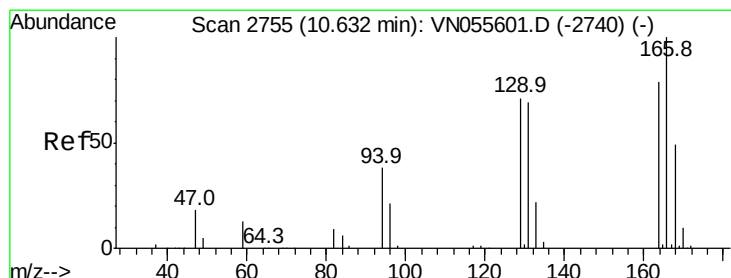
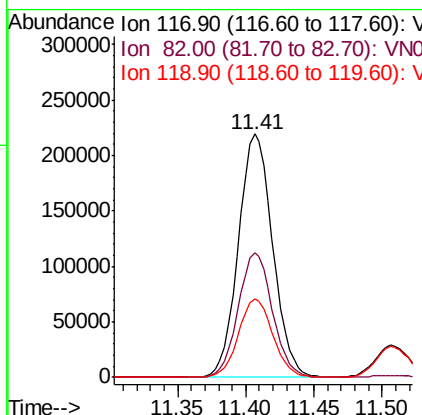
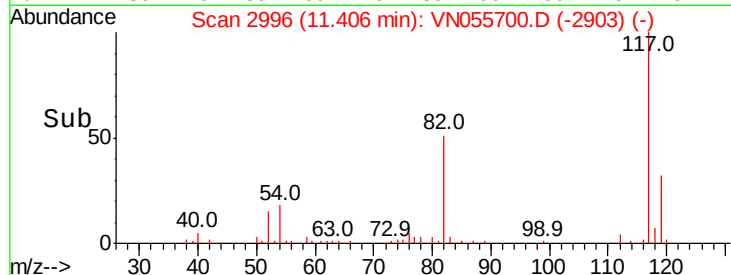
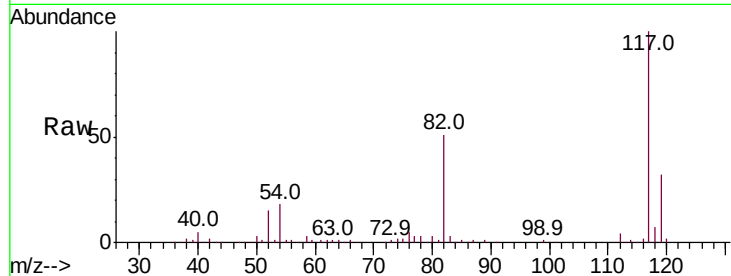
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.3	63.5
119	32.2	25.4	38.2

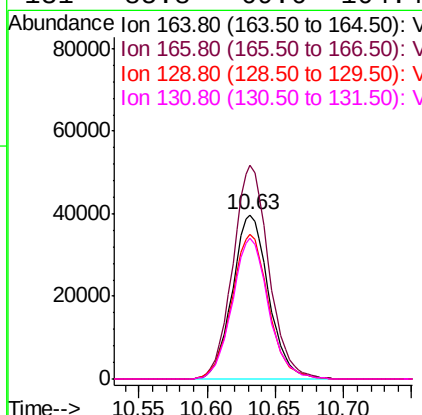
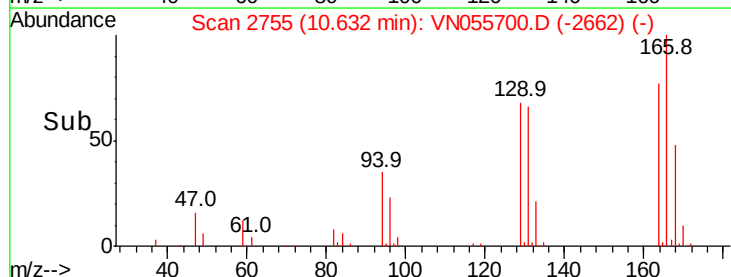
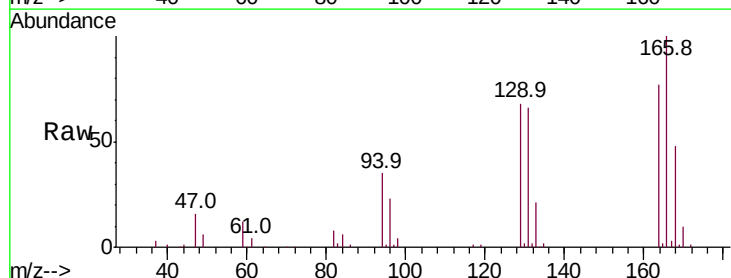
Manual Integrations
APPROVED

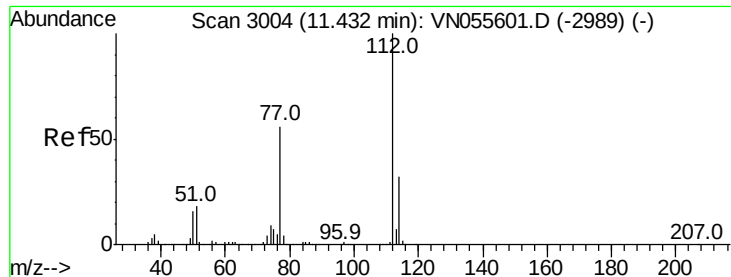
MMDadoda
5/22/2019 4:11:21 PM



#64
Tetrachloroethene
Concen: 24.190 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.0	151.6
129	88.1	71.7	107.5
131	85.8	69.6	104.4





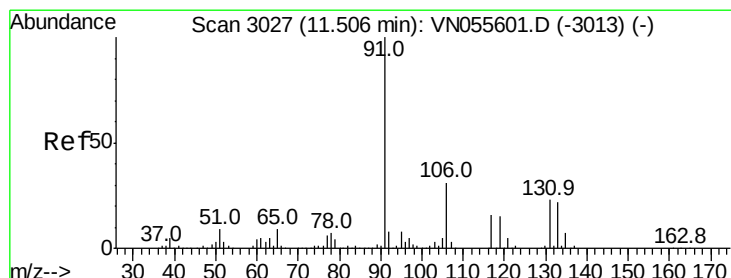
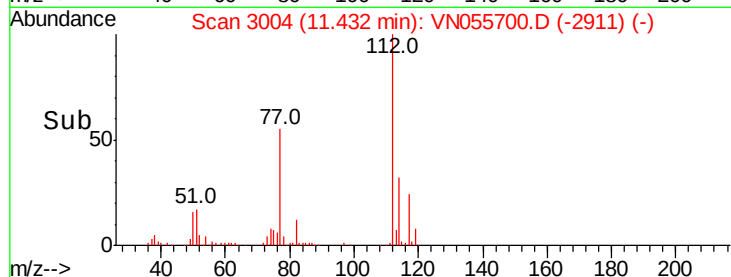
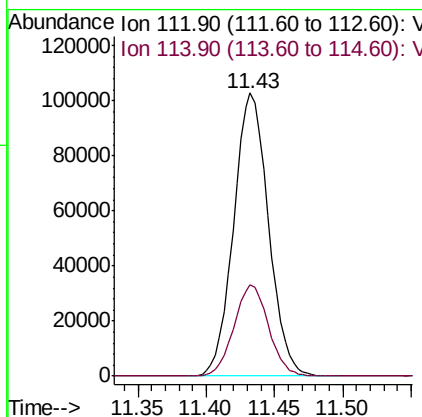
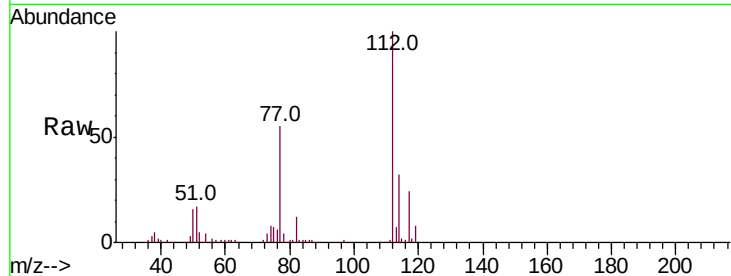
#65
Chlorobenzene
Concen: 23.490 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	182117		
114	32.1	25.6	38.4	

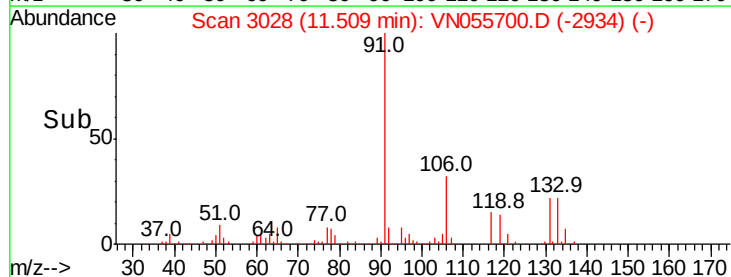
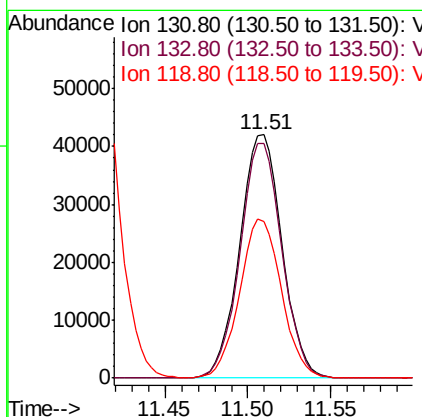
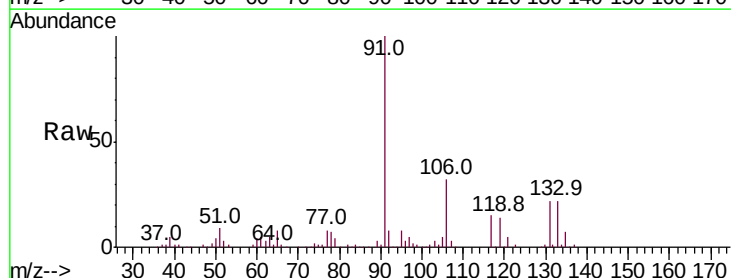
Manual Integrations
APPROVED

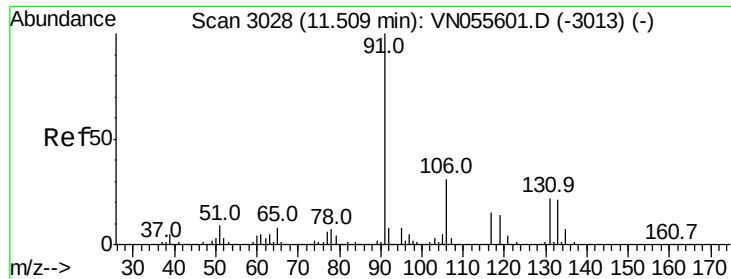
MMDadoda
5/22/2019 4:11:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	74534		
133	95.3	47.8	143.4	
119	64.6	33.3	99.8	





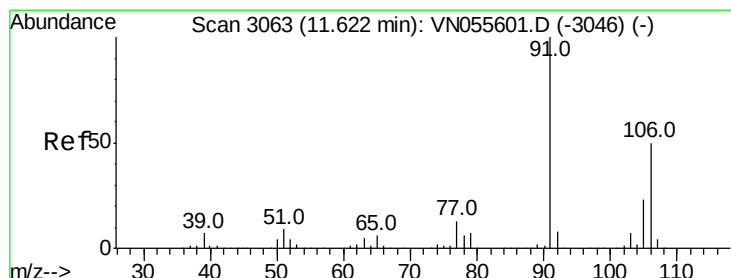
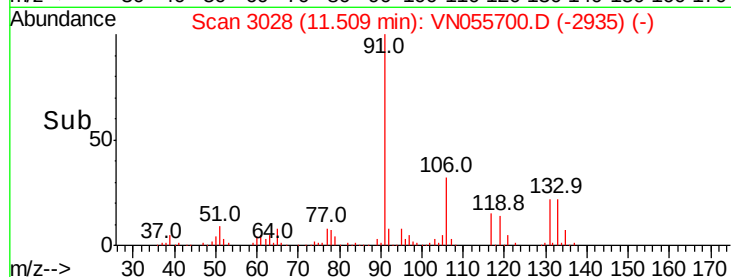
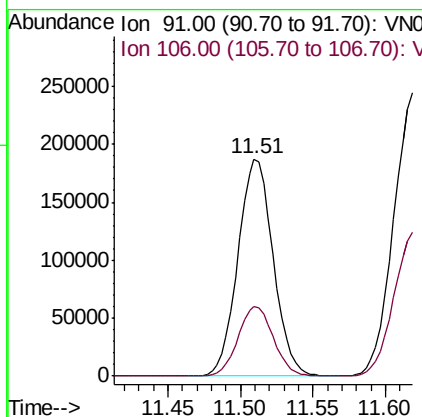
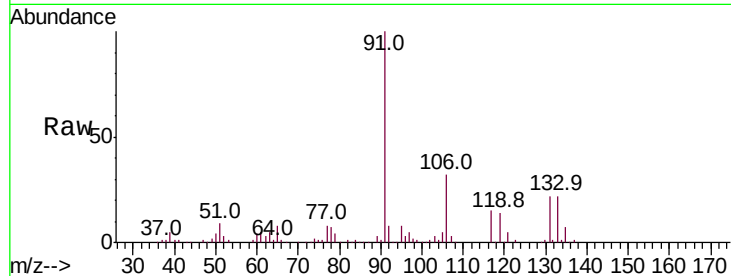
#67
Ethyl Benzene
Concen: 22.908 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0521MBS01

Tot Ion: 91 Resp: 316393
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

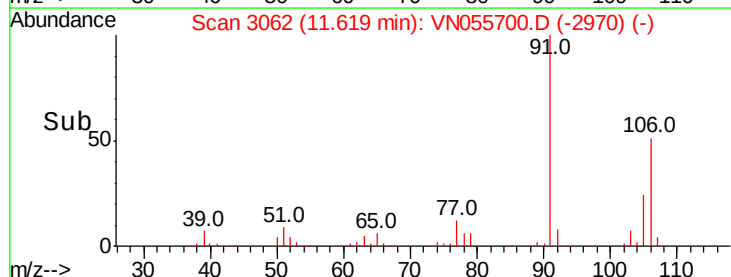
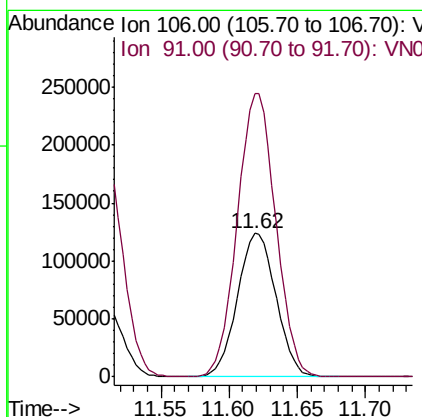
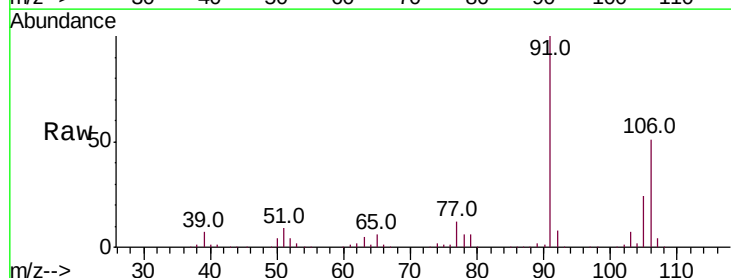
Manual Integrations
APPROVED

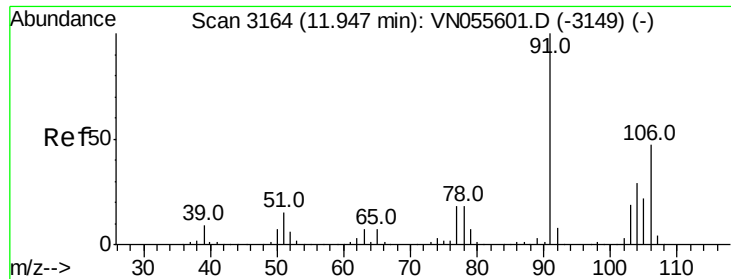
MMDadoda
5/22/2019 4:11:21 PM



#68
m/p-Xylenes
Concen: 46.544 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion: 106 Resp: 242761
Ion Ratio Lower Upper
106 100
91 197.1 160.5 240.7





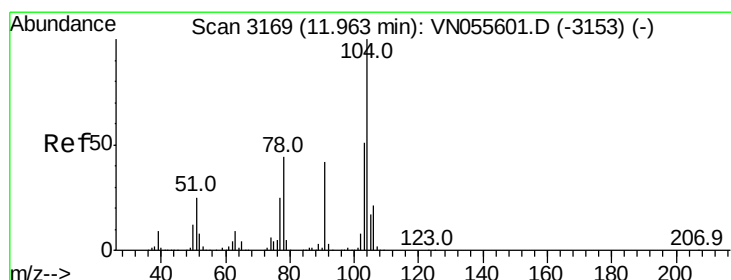
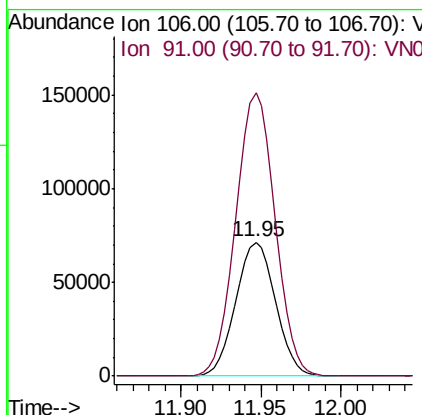
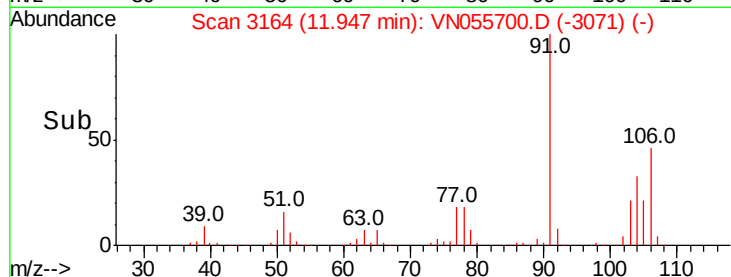
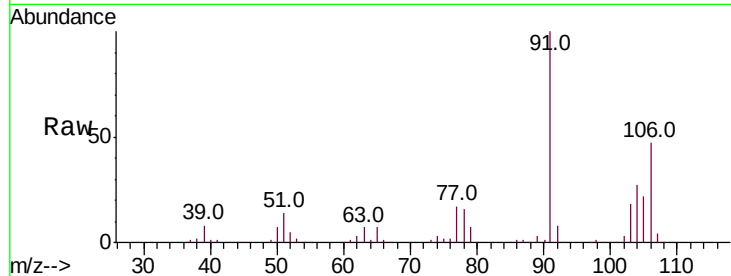
#69
o-Xylene
Concen: 23.617 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion:106 Resp: 120477
Ion Ratio Lower Upper
106 100
91 210.0 106.7 320.2

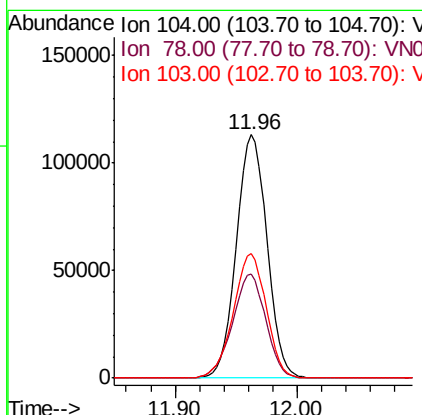
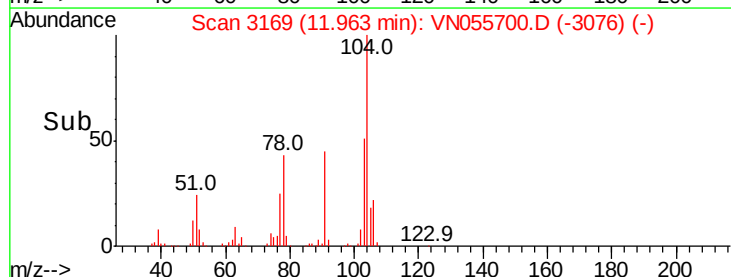
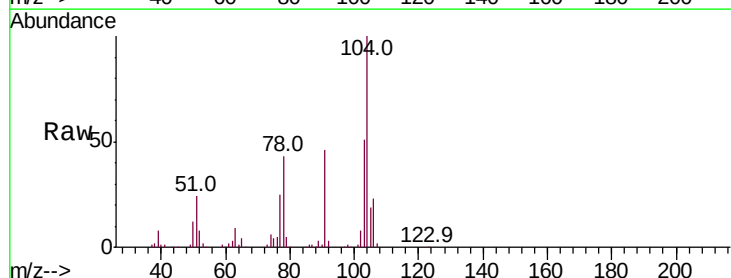
Manual Integrations
APPROVED

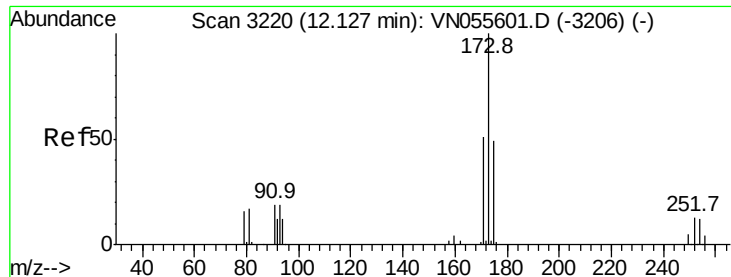
MMDadoda
5/22/2019 4:11:21 PM



#70
Styrene
Concen: 23.204 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion:104 Resp: 196820
Ion Ratio Lower Upper
104 100
78 46.4 38.6 58.0
103 54.9 44.4 66.6





#71

Bromoform

Concen: 23.620 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

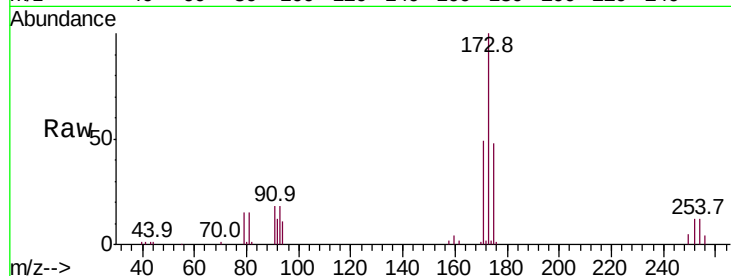
ClientSampleId :

VN0521MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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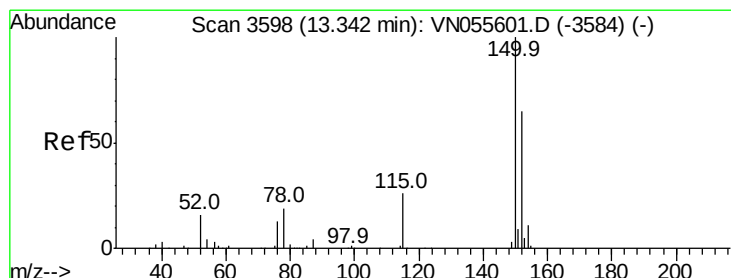
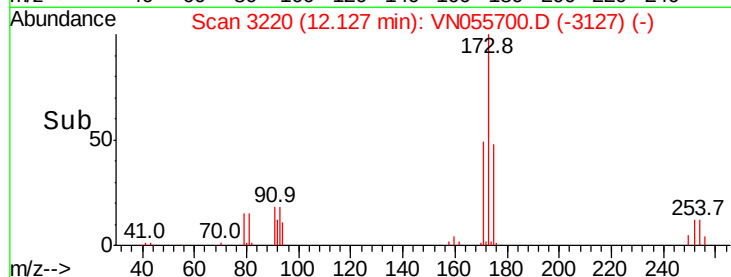
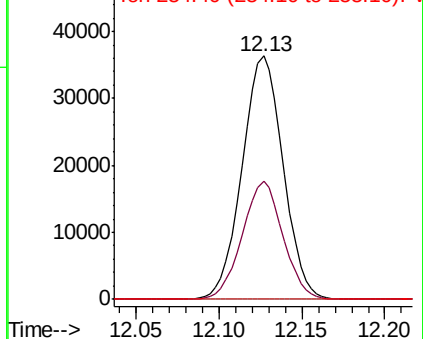


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

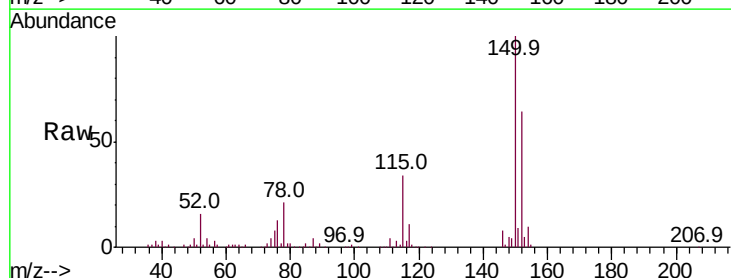
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.1	84.2
150	163.2	0.0	348.0

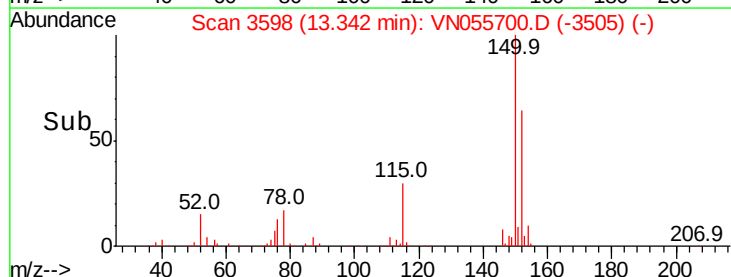
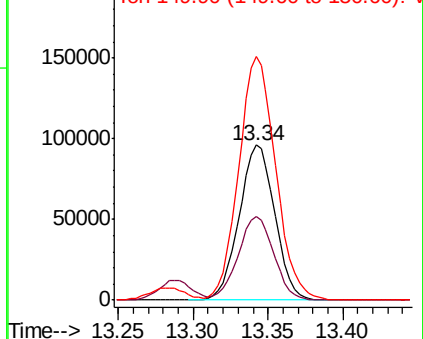


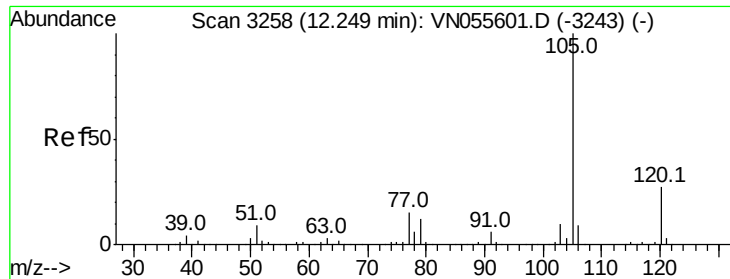
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 27.604 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion:105 Resp: 318956

Ion Ratio Lower Upper

105 100

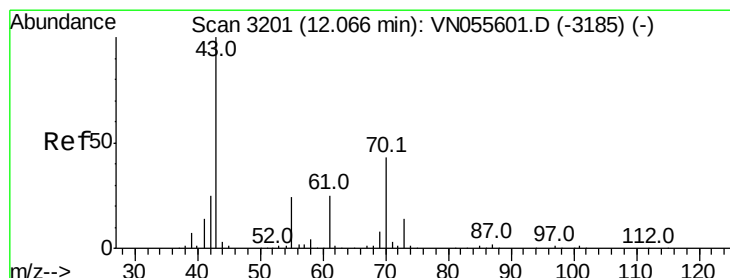
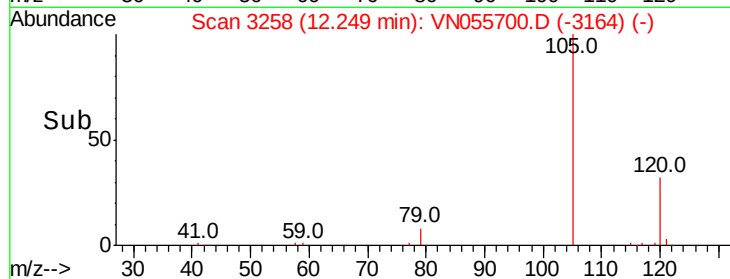
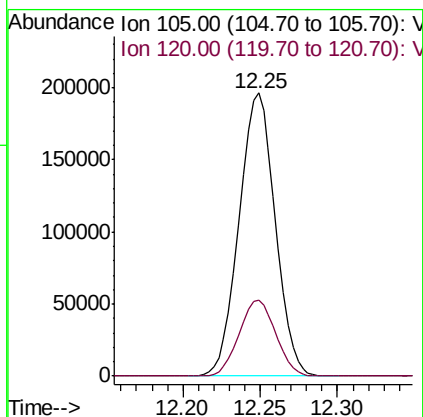
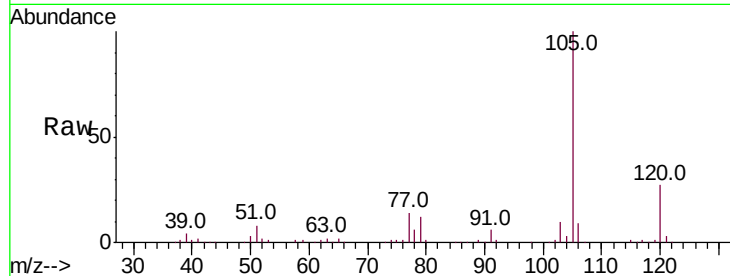
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 24.267 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion: 43 Resp: 107975

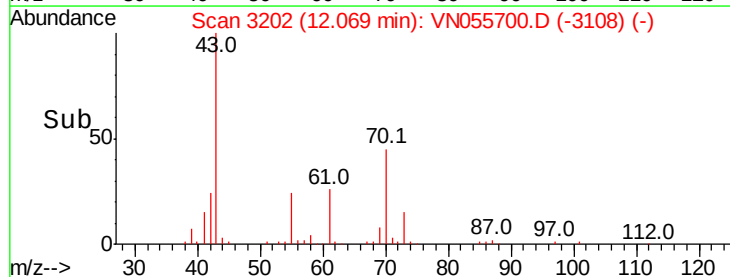
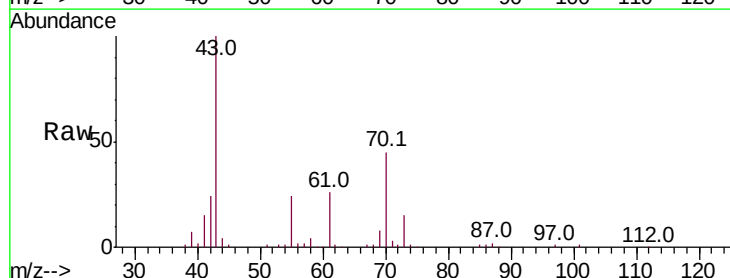
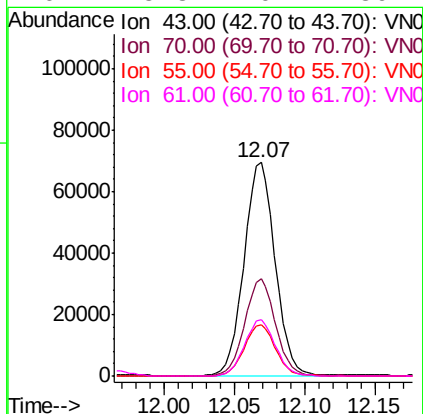
Ion Ratio Lower Upper

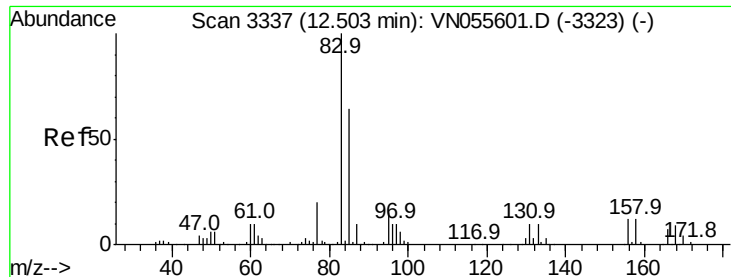
43 100

70 44.8 35.0 52.6

55 24.0 18.9 28.3

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 26.497 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

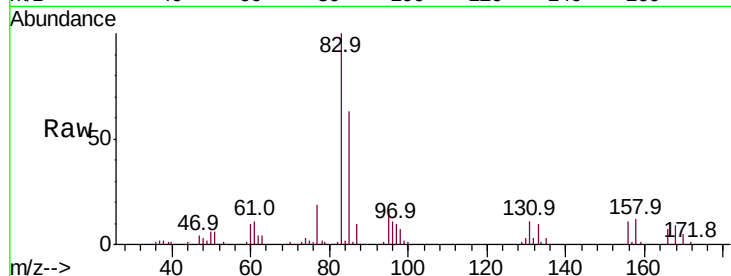
ClientSampleId :

VN0521MBS01

Tot Ion:	83	Resp:	95389
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	64.5	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)

Time-->

12.50

60000

40000

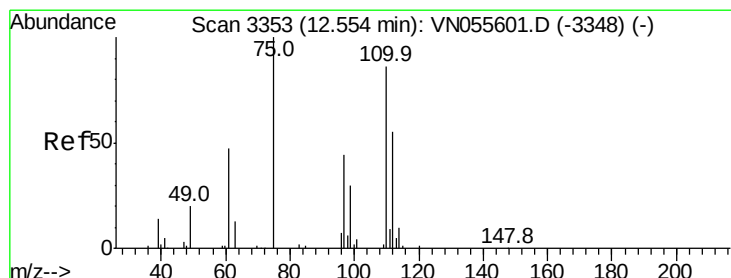
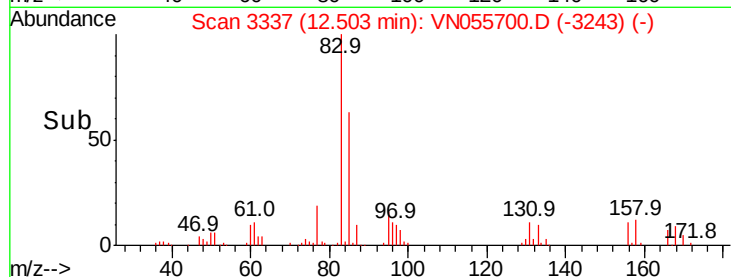
20000

0

12.45

12.50

12.55



#76

1,2,3-Trichloropropane

Concen: 25.073 ug/l m

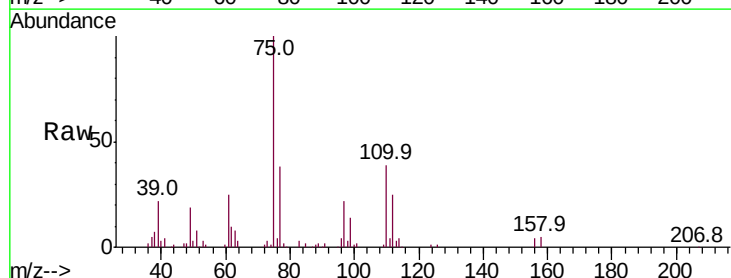
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	75	Resp:	81073
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)

Time-->

12.55

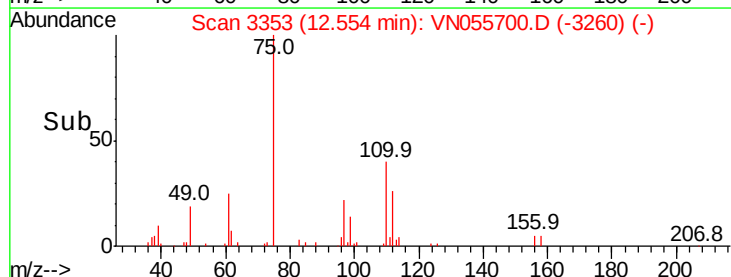
60000

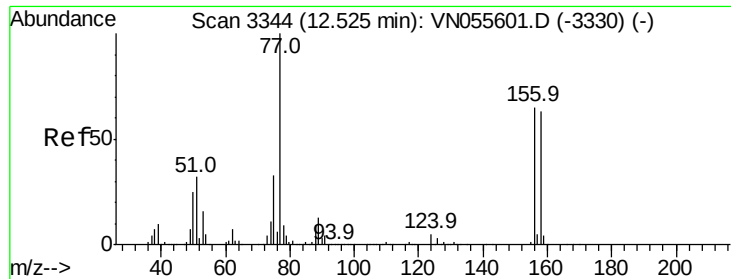
40000

20000

0

12.55





#77

Bromobenzene

Concen: 25.544 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

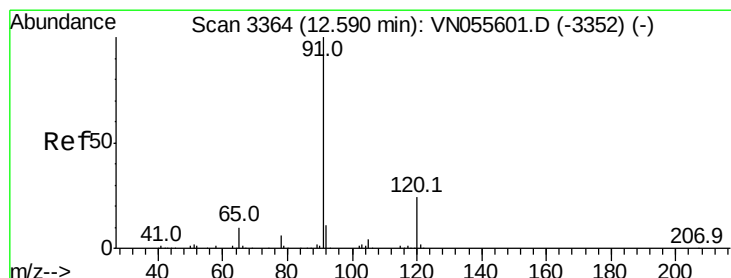
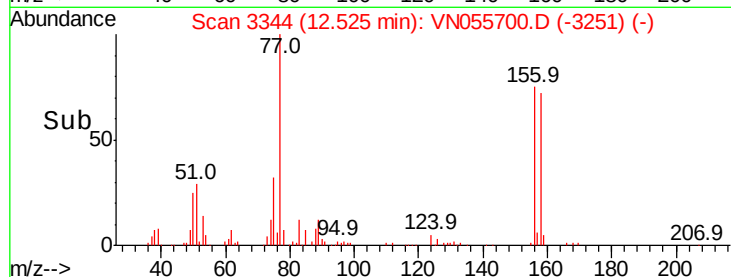
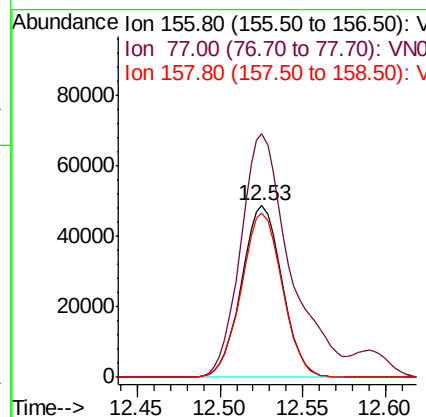
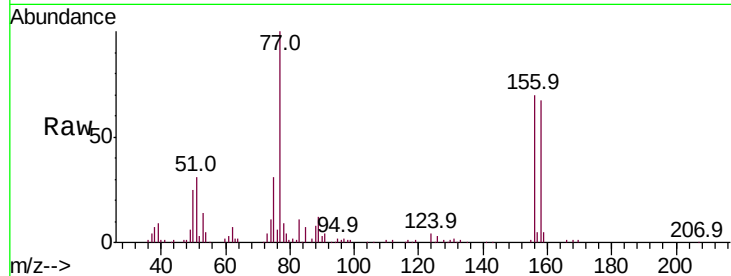
ClientSampleId :

VN0521MBS01

Tot Ion:	156	Resp:	83130
Ion	Ratio	Lower	Upper
156	100		
77	174.6	94.5	283.5
158	96.5	49.0	147.2

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#78

n-propylbenzene

Concen: 23.410 ug/l

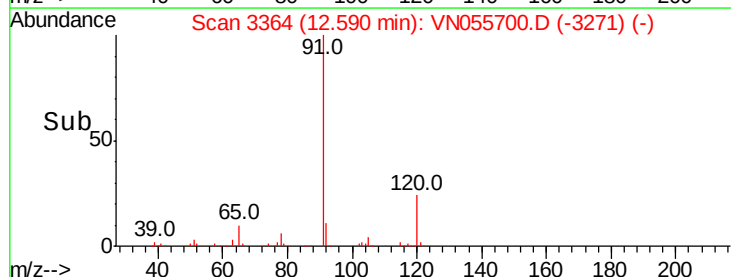
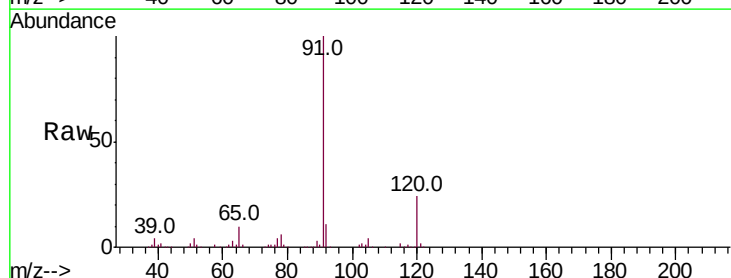
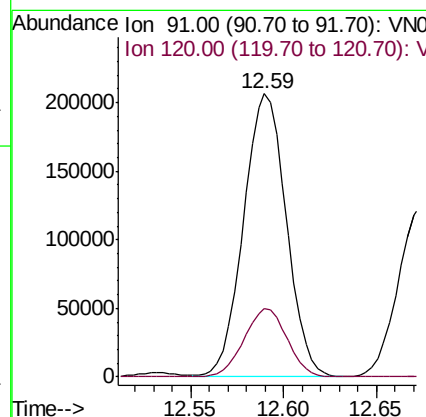
RT: 12.59 min Scan# 3364

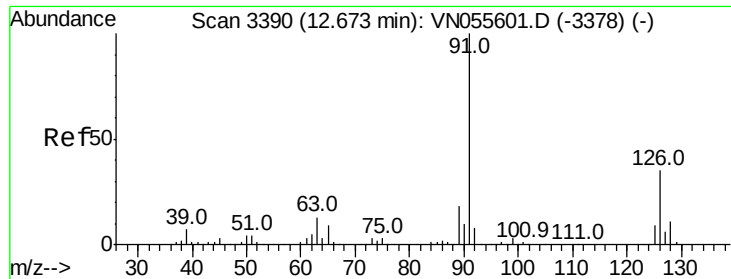
Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	91	Resp:	329423
Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.5





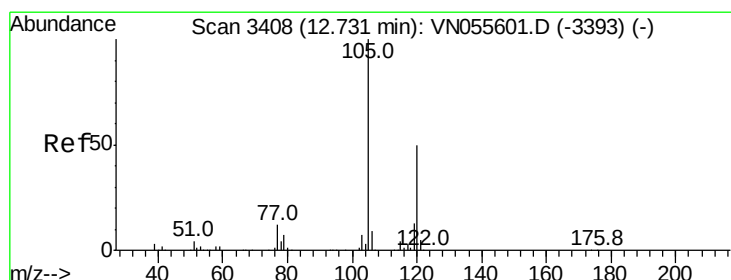
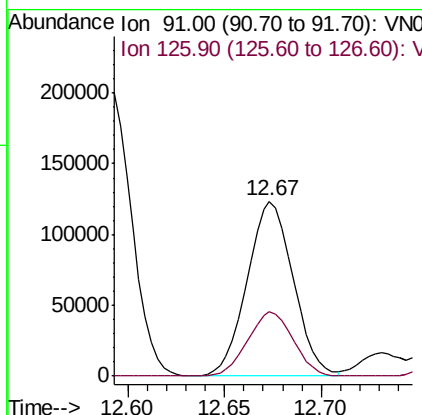
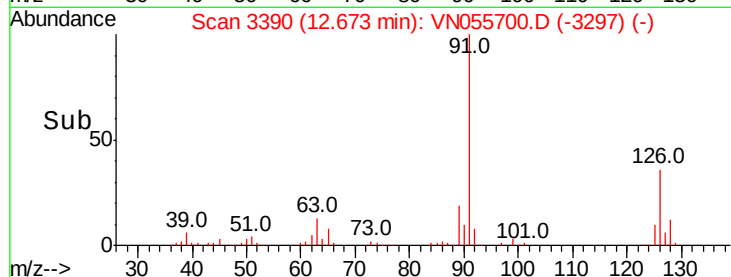
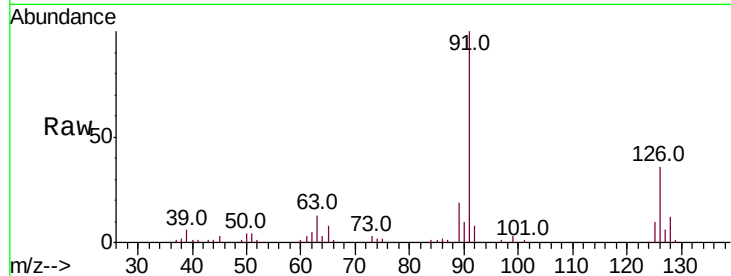
#79
 2-Chlorotoluene
 Concen: 26.279 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion: 91 Resp: 203914
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.8 53.4

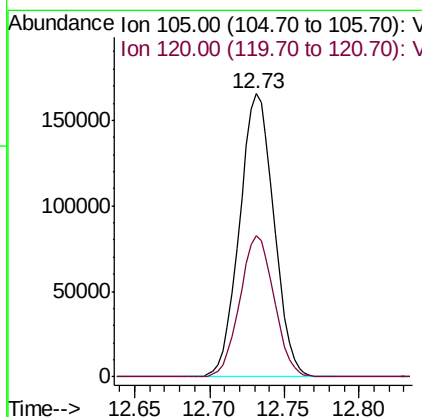
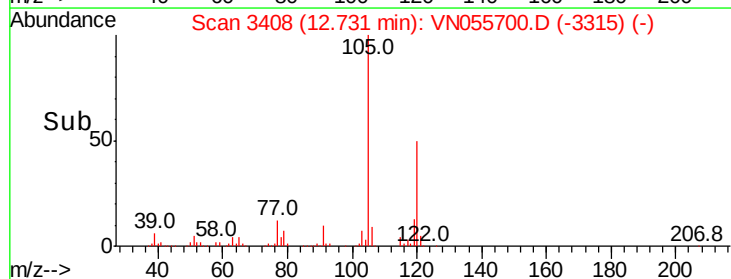
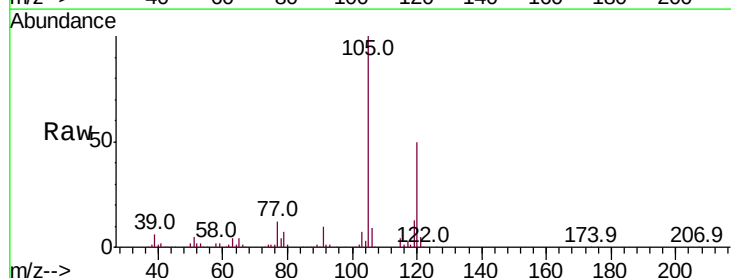
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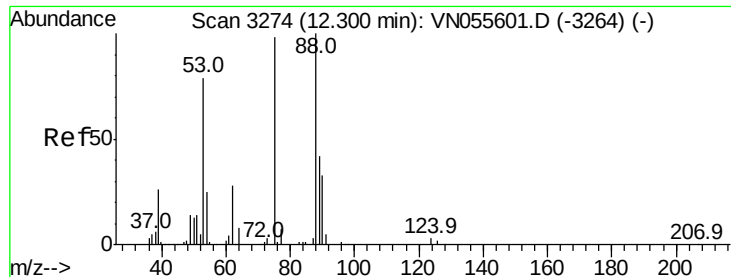
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 26.916 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion:105 Resp: 264639
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





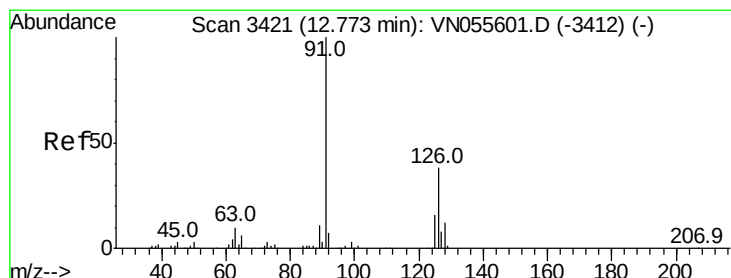
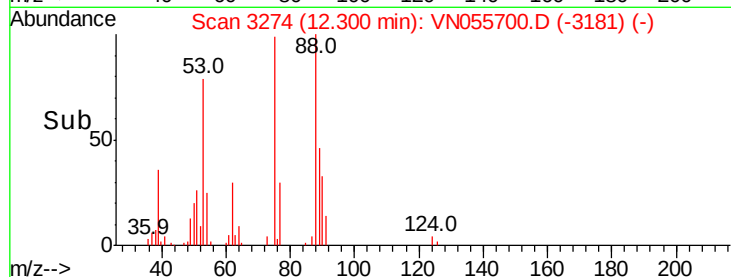
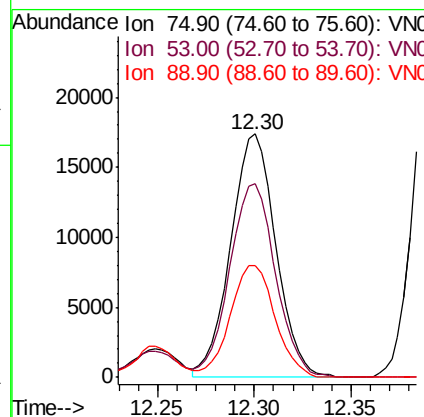
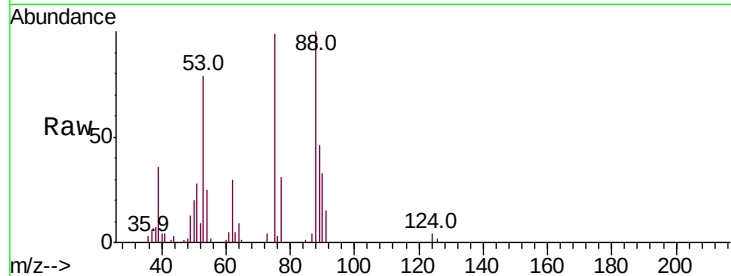
#81
trans-1,4-Dichloro-2-butene
Concen: 22.413 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.2	65.1	97.7
89	45.6	36.4	54.6

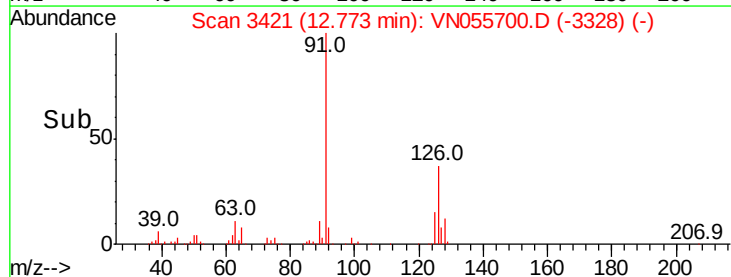
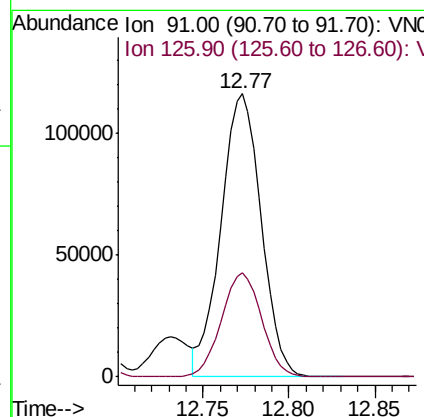
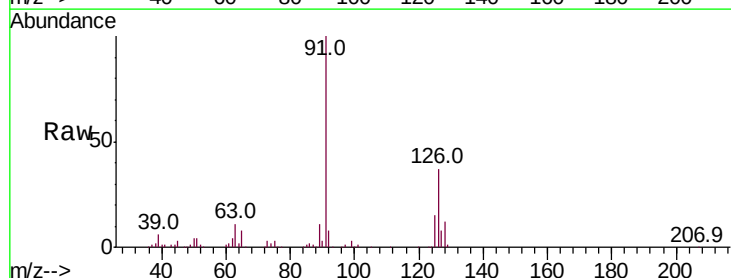
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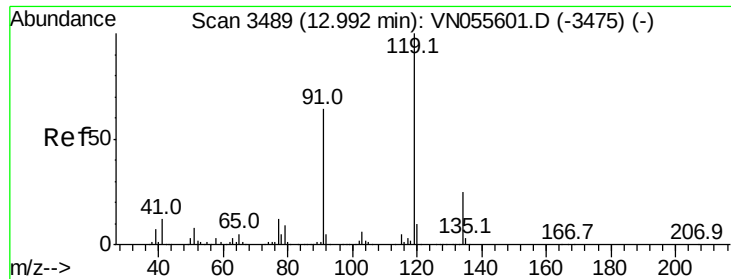
MMDadoda
5/22/2019 4:11:21 PM



#82
4-Chlorotoluene
Concen: 22.823 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.5	52.6





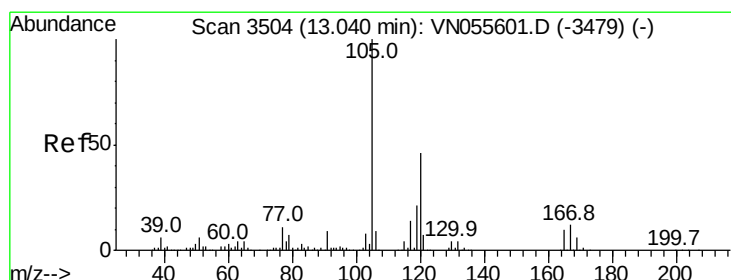
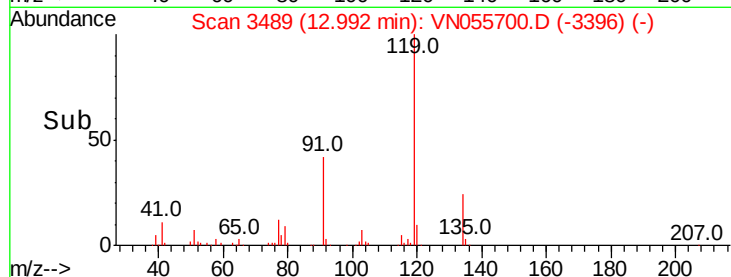
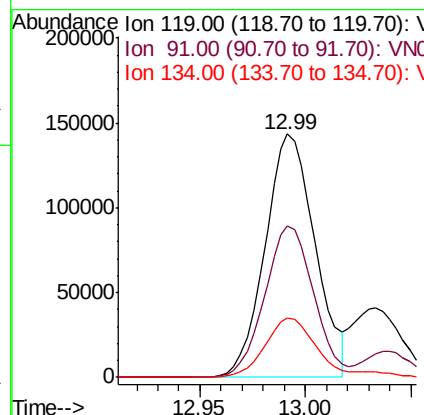
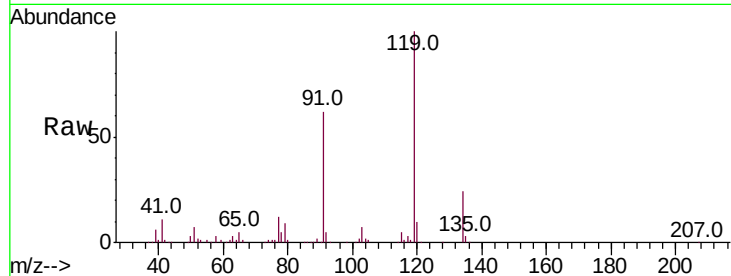
#83
 tert-Butylbenzene
 Concen: 28.091 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236287		
91	61.2	31.3	93.8	
134	26.2	13.2	39.6	

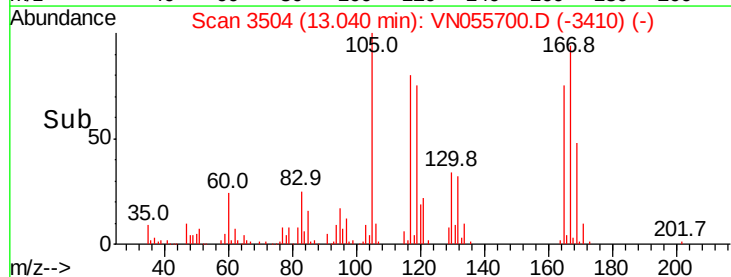
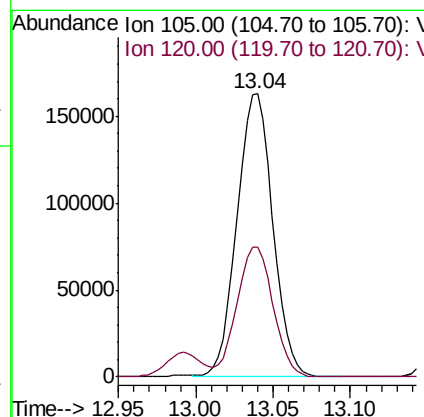
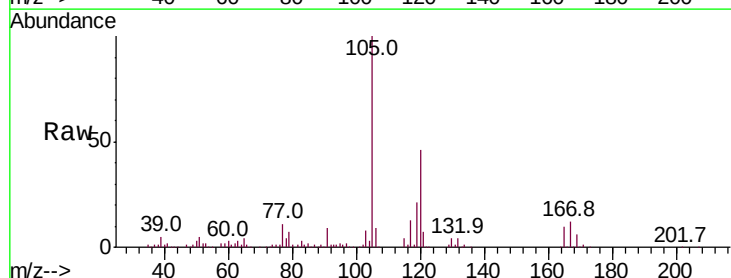
Manual Integrations
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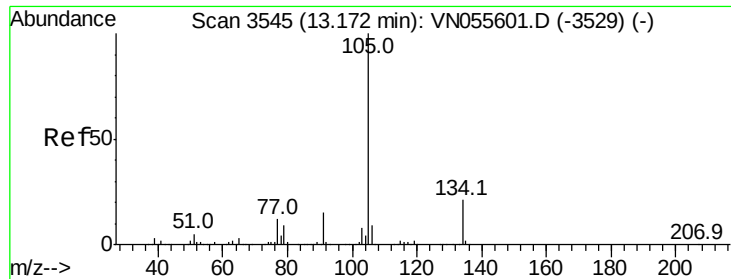
MMDadoda
 5/22/2019 4:11:21 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 26.792 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261811		
120	46.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 26.771 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBS01

Tot Ion:105 Resp: 294133

Ion Ratio Lower Upper

105 100

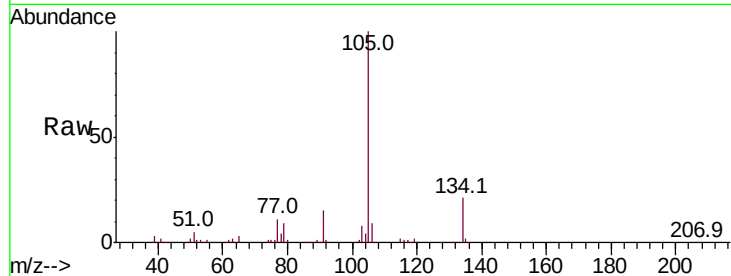
134 20.7 10.3 30.9

Manual Integrations

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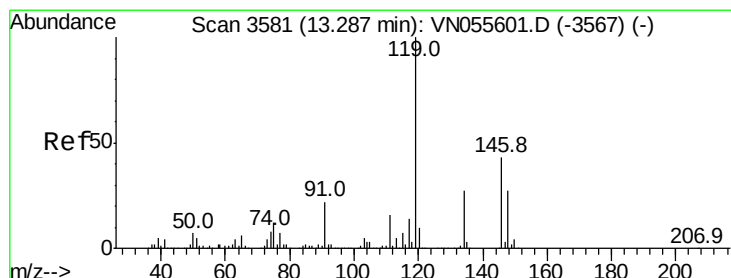
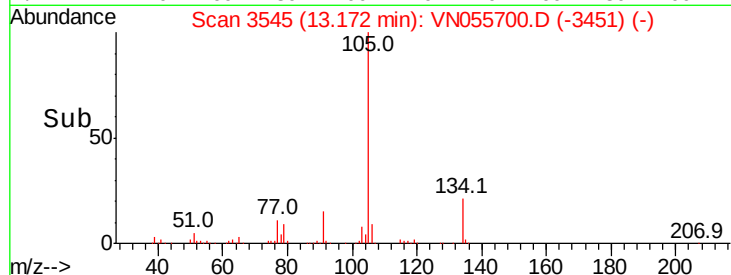
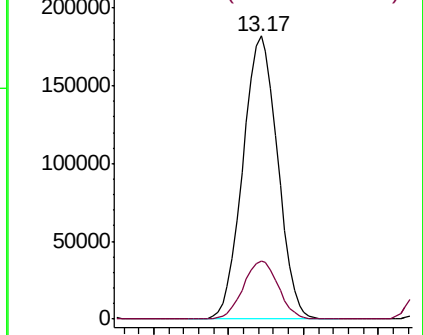
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 26.154 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

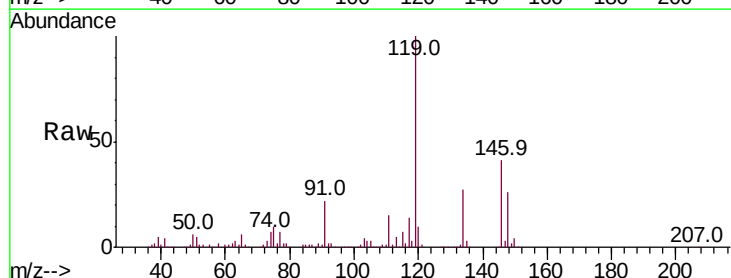
Tgt Ion:119 Resp: 266186

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

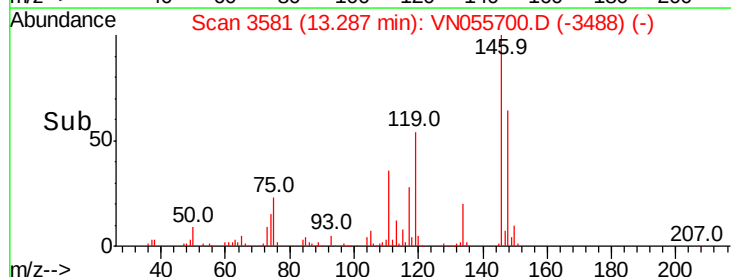
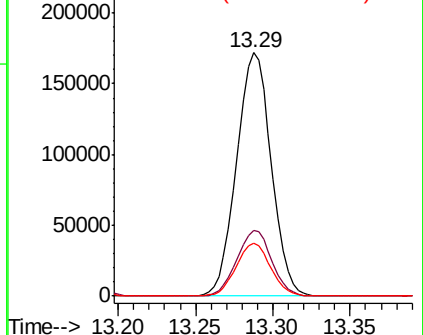
91 21.8 11.0 33.0

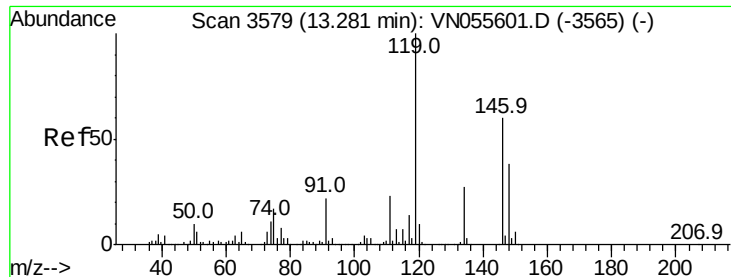


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





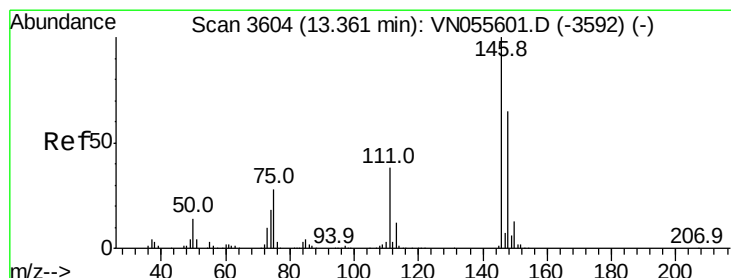
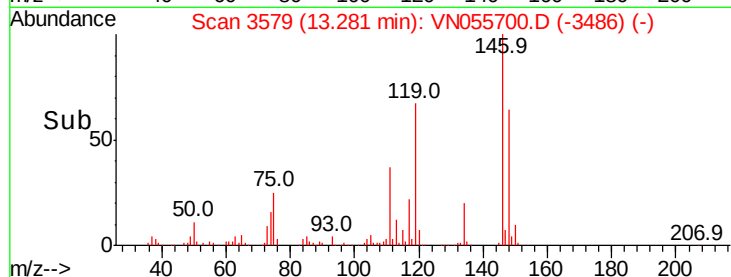
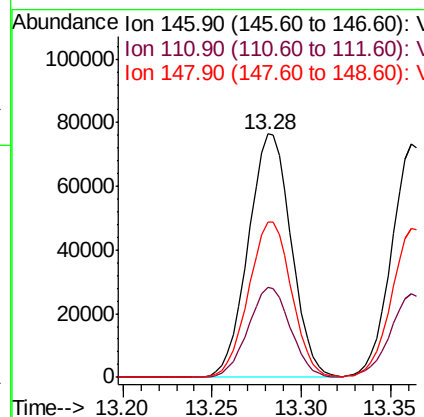
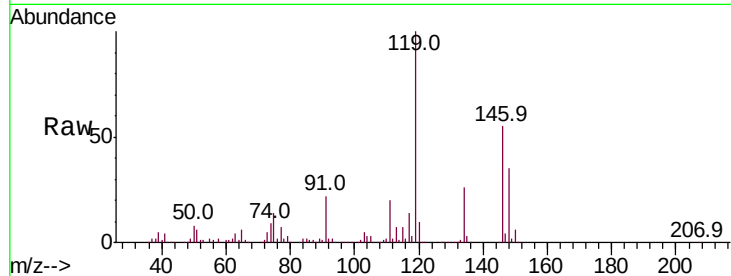
#87
 1,3-Dichlorobenzene
 Concen: 23.890 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128549		
111	36.4	18.9	56.9	
148	64.0	31.9	95.9	

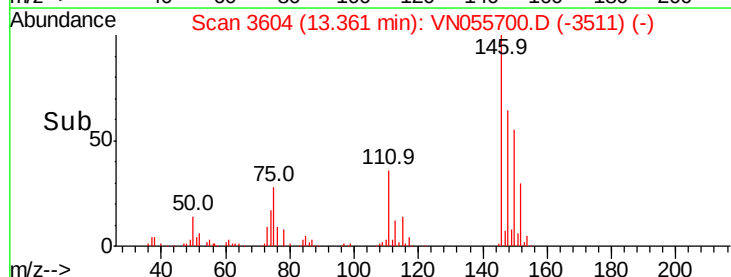
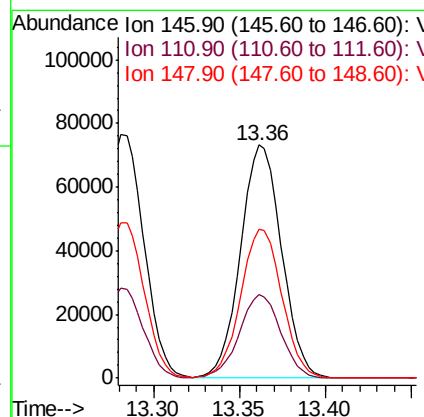
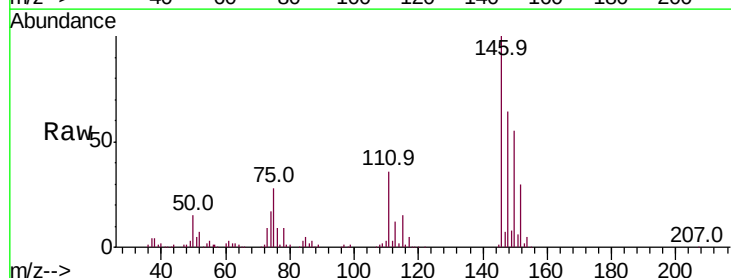
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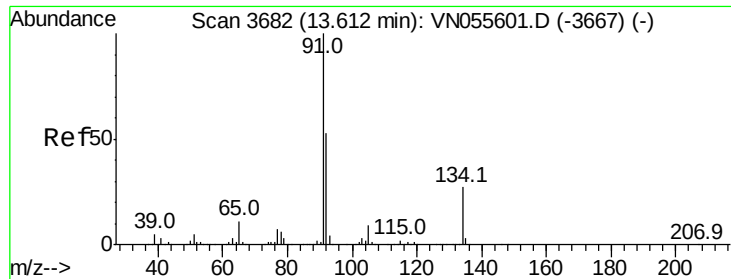
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#88
 1,4-Dichlorobenzene
 Concen: 23.655 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121531		
111	36.3	18.8	56.4	
148	64.2	32.4	97.0	





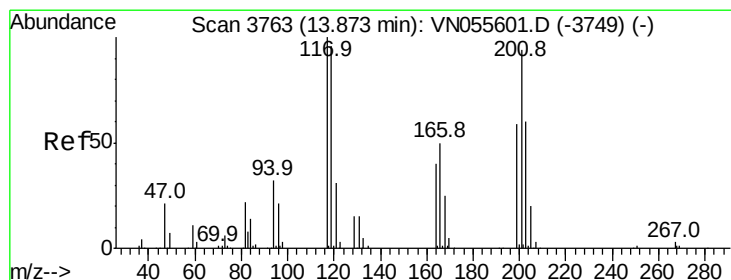
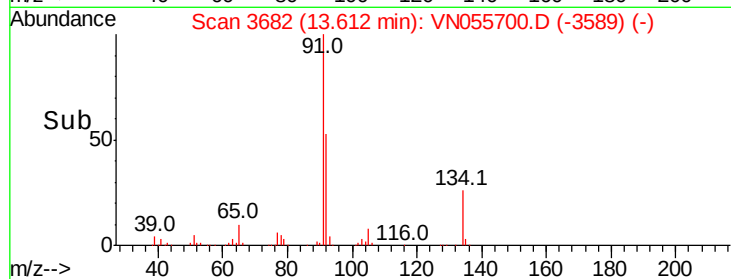
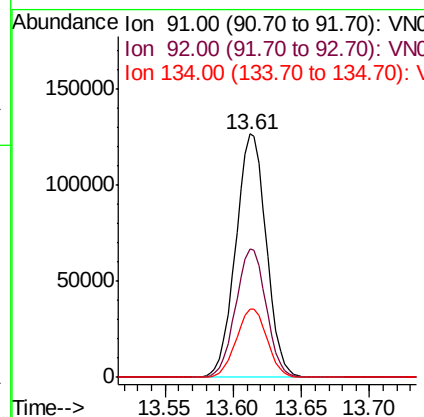
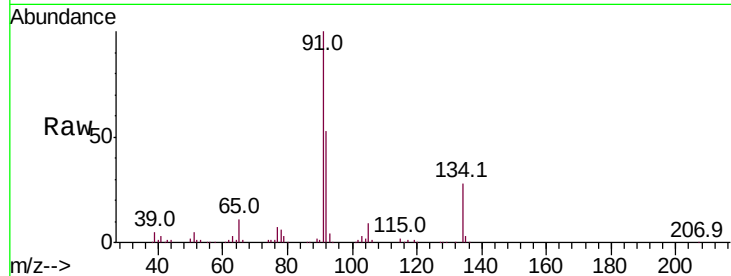
#89
n-Butylbenzene
Concen: 22.556 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196131		
92	52.7	26.4	79.0	
134	28.2	13.7	41.1	

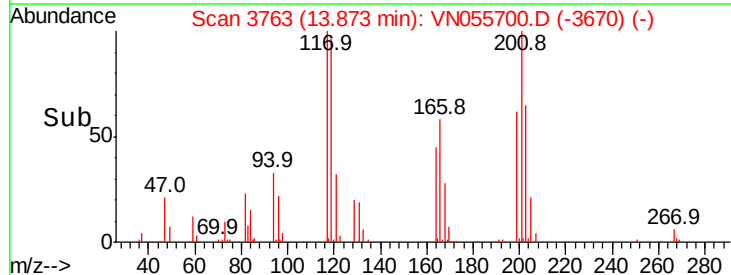
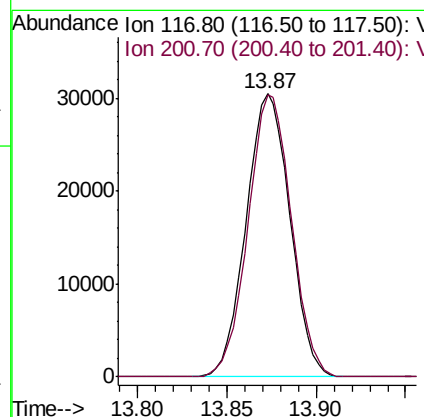
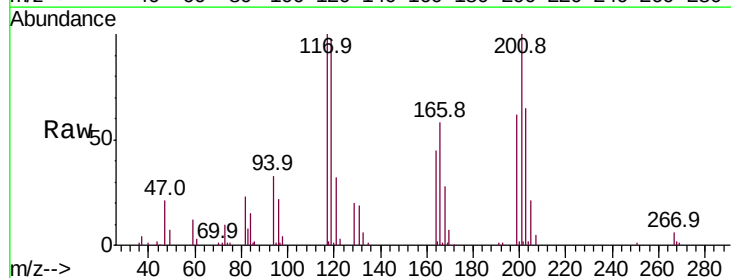
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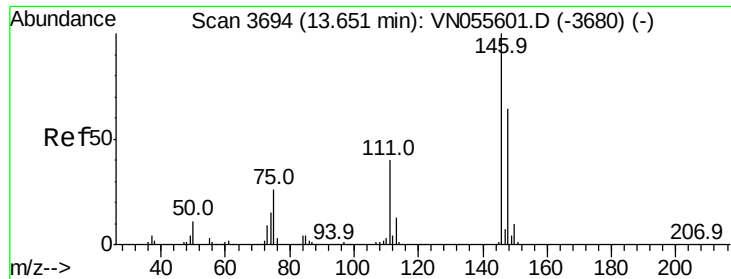
MMDadoda
5/22/2019 4:11:21 PM



#90
Hexachloroethane
Concen: 26.770 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055700.D
Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52339		
201	98.5	47.1	141.3	





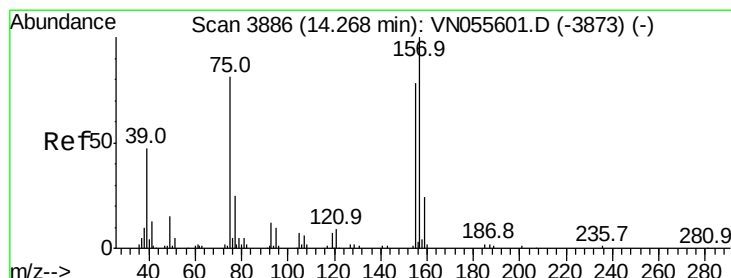
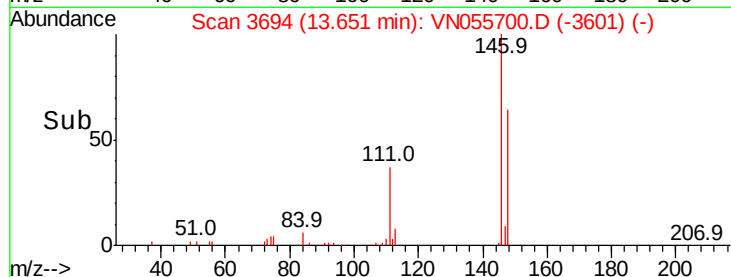
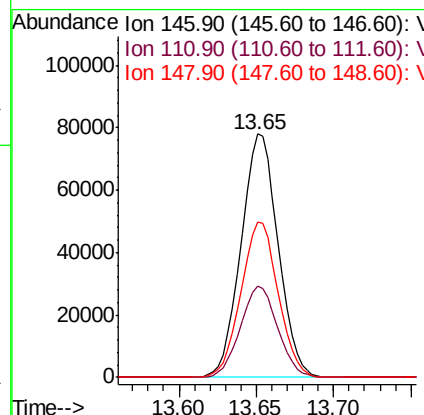
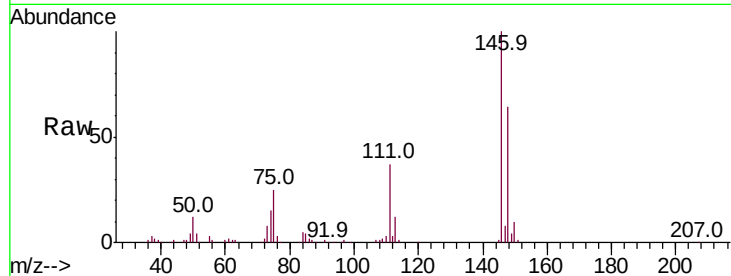
#91
 1,2-Dichlorobenzene
 Concen: 24.165 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0521MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.0
148	64.1	32.1	96.3

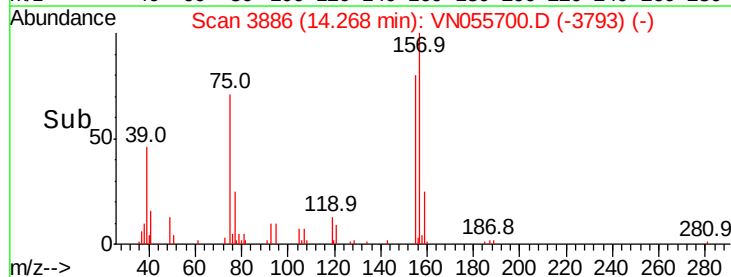
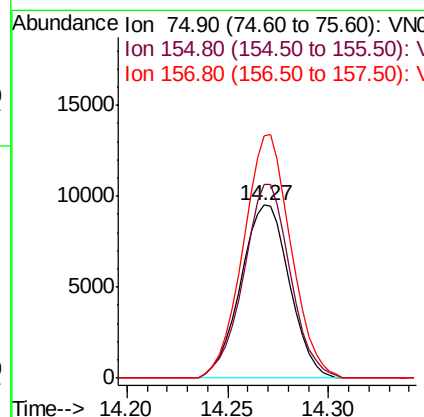
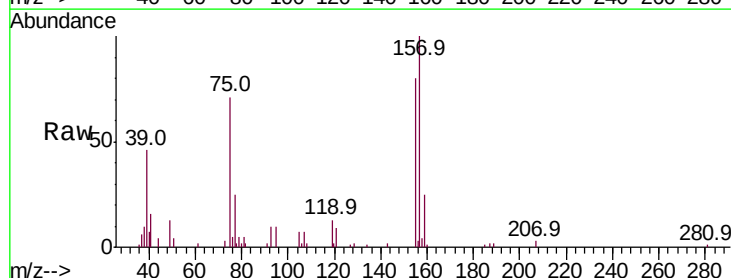
Manual Integrations
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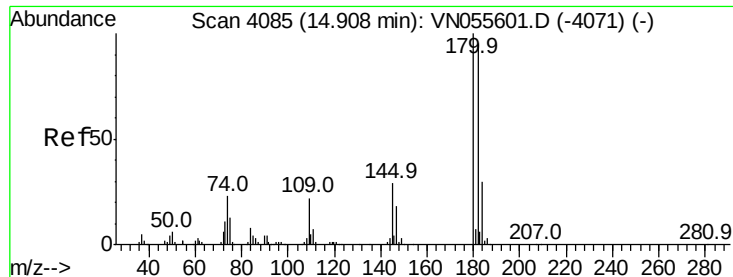
MMDadoda
 5/22/2019 4:11:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.402 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	48.4	145.0
157	137.2	62.3	186.8





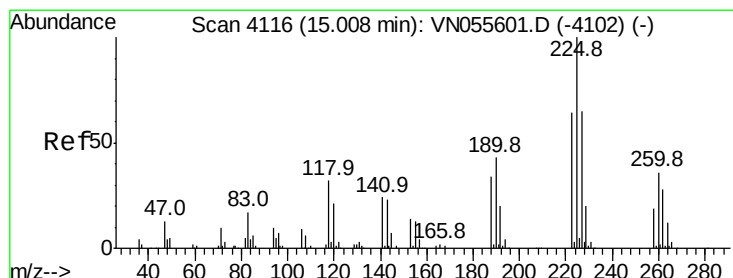
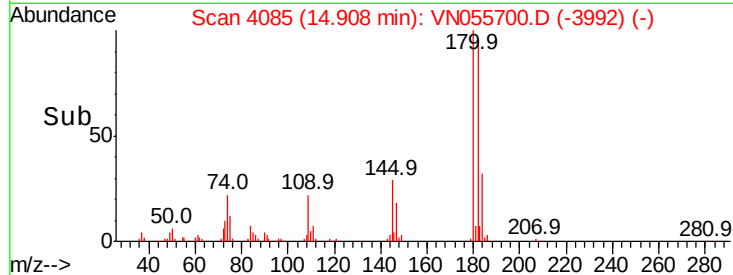
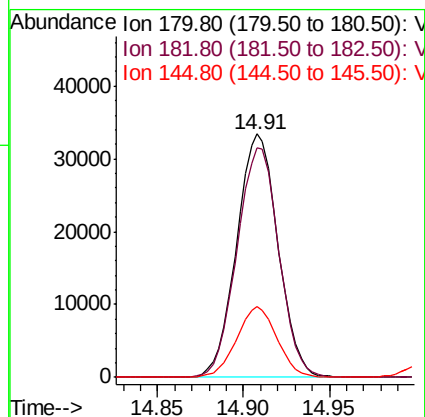
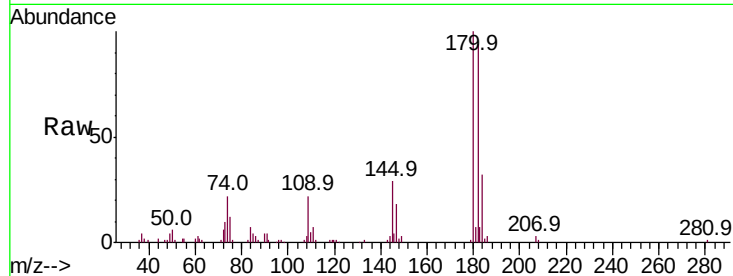
#93
 1,2,4-Trichlorobenzene
 Concen: 20.420 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.9	143.6	
145	28.2	14.3	42.9	

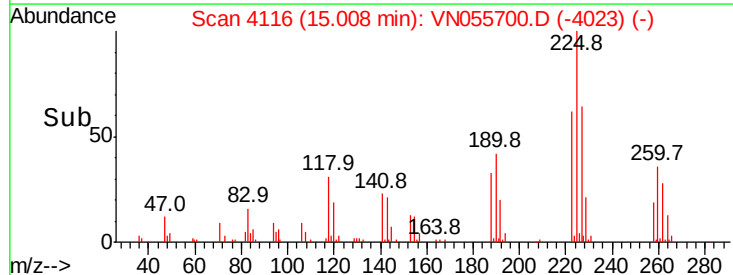
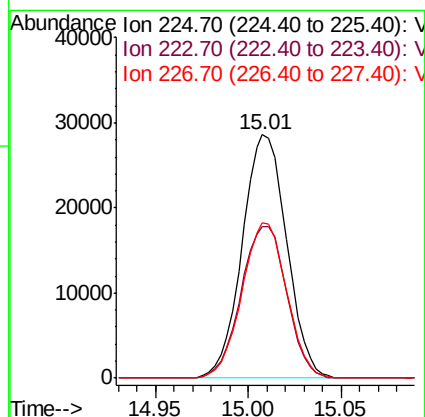
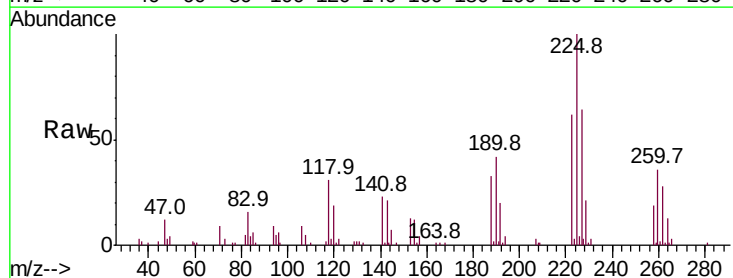
Manual Integrations
 APPROVED

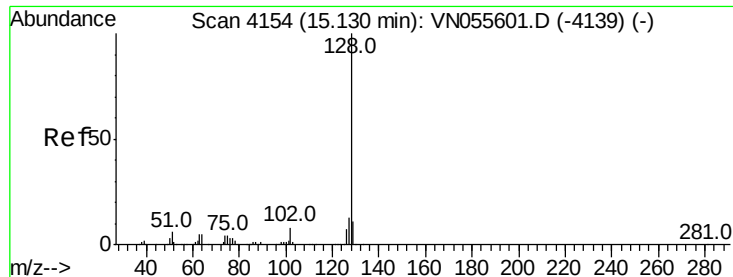
MMDadoda
 5/22/2019 4:11:21 PM



#94
 Hexachlorobutadiene
 Concen: 27.542 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055700.D
 Acq: 21 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.6	94.7	
227	64.0	32.4	97.0	





#95

Naphthalene

Concen: 19.857 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Instrument :

MSVOA_N

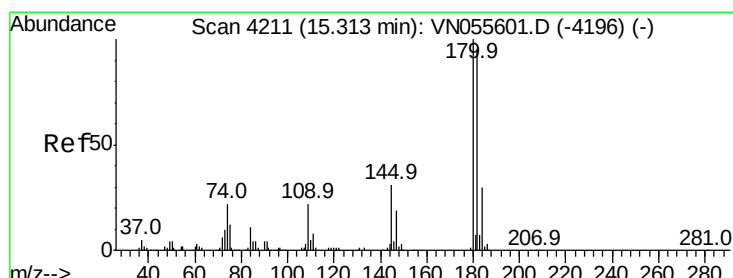
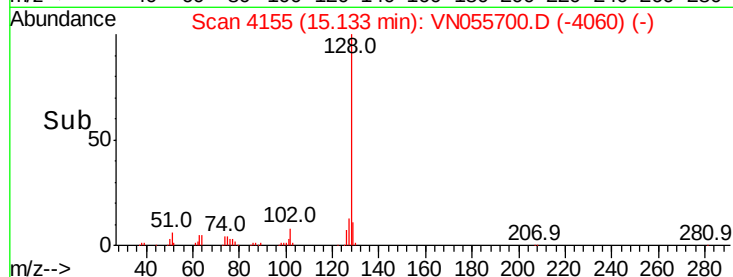
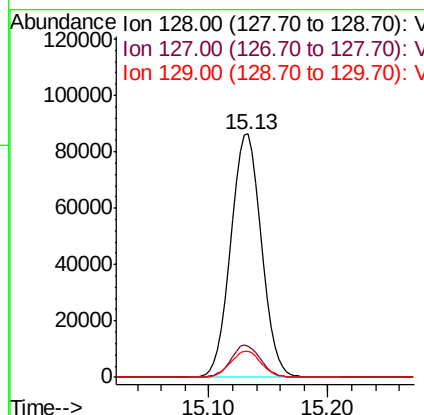
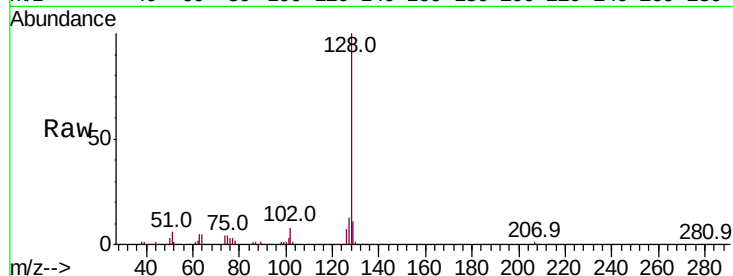
ClientSampleId :

VN0521MBS01

Tot Ion:	128	Resp:	154540
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.621 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055700.D

Acq: 21 May 2019 11:30

Tgt Ion:	180	Resp:	58869
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.6
145	30.3	15.4	46.1

