

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055704.D
 Acq On : 21 May 2019 13:05
 Operator : JC/SP
 Sample : VN0521WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:11:29 PM

Quant Time: May 22 05:30:30 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	338747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	481963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	419401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164498	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.59	113	154827	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	568719	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	192451	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	49835	19.121	ug/l	99
3) Chloromethane	2.06	50	59810	17.204	ug/l	98
4) Vinyl Chloride	2.18	62	70149	18.635	ug/l	97
5) Bromomethane	2.57	94	47521	19.808	ug/l	97
6) Chloroethane	2.71	64	40337	19.299	ug/l	99
7) Trichlorofluoromethane	3.03	101	98337	20.385	ug/l	99
8) Diethyl Ether	3.41	74	38467	19.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	62776	21.346	ug/l	100
10) Methyl Iodide	3.96	142	81332	19.183	ug/l	99
11) Tert butyl alcohol	4.77	59	67749	97.836	ug/l	98
12) 1,1-Dichloroethene	3.74	96	60411	19.528	ug/l	97
13) Acrolein	3.61	56	28530	81.692	ug/l	98
14) Allyl chloride	4.33	41	95014	19.025	ug/l	99
15) Acrylonitrile	4.99	53	150907	97.951	ug/l	100
16) Acetone	3.81	43	148109	97.736	ug/l	99
17) Carbon Disulfide	4.06	76	153585	17.858	ug/l	100
18) Methyl Acetate	4.33	43	64149	19.745	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	202582	19.794	ug/l	98
20) Methylene Chloride	4.56	84	67021	19.379	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	64716	19.637	ug/l	95
22) Diisopropyl ether	5.95	45	189697	19.168	ug/l	97
23) Vinyl Acetate	5.90	43	797912	95.020	ug/l	98
24) 1,1-Dichloroethane	5.85	63	113976	19.642	ug/l	99
25) 2-Butanone	6.83	43	204904	96.705	ug/l	98
26) 2,2-Dichloropropane	6.83	77	100442	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	77513	20.199	ug/l	94
28) Bromochloromethane	7.20	49	43437	17.206	ug/l	91
29) Tetrahydrofuran	7.21	42	130364	92.868	ug/l	96
30) Chloroform	7.37	83	118322	19.865	ug/l	99
31) Cyclohexane	7.66	56	105999	19.247	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	103868	19.442	ug/l	98
36) 1,1-Dichloropropene	7.80	75	85582	19.917	ug/l	97
37) Ethyl Acetate	6.93	43	82798	21.353	ug/l	99
38) Carbon Tetrachloride	7.78	117	95200	20.733	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111016	21.432	ug/l	98
40) Benzene	8.04	78	269036	21.287	ug/l	98
41) Methacrylonitrile	7.18	41	42333m	25.536	ug/l	
42) 1,2-Dichloroethane	8.12	62	86911	21.236	ug/l	100
43) Isopropyl Acetate	8.16	43	136266	20.203	ug/l	98
44) Trichloroethene	8.84	130	78893	22.122	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69653	20.920	ug/l	96
46) Dibromomethane	9.21	93	46424	21.303	ug/l	95
47) Bromodichloromethane	9.40	83	94526	20.696	ug/l	99
48) Methyl methacrylate	9.20	41	59546	19.751	ug/l	95
49) 1,4-Dioxane	9.20	88	27872	465.268	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	400945	101.340	ug/l	99
52) Toluene	10.16	92	168517	21.258	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	98413	20.020	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	111041	20.620	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69617	21.332	ug/l	98
56) Ethyl methacrylate	10.43	69	101113	19.848	ug/l	97
57) 1,3-Dichloropropane	10.71	76	108758	21.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	173125	79.979	ug/l	98
59) 2-Hexanone	10.75	43	275601	98.940	ug/l	98
60) Dibromochloromethane	10.90	129	80711	21.821	ug/l	99
61) 1,2-Dibromoethane	11.01	107	69036	21.142	ug/l	99
64) Tetrachloroethene	10.63	164	75263	22.752	ug/l	97
65) Chlorobenzene	11.43	112	181661	21.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72851	21.348	ug/l	98
67) Ethyl Benzene	11.51	91	317484	21.009	ug/l	99
68) m/p-Xylenes	11.62	106	244600	42.862	ug/l	97
69) o-Xylene	11.95	106	120725	21.629	ug/l	95
70) Styrene	11.96	104	196240	21.145	ug/l	99
71) Bromoform	12.13	173	62293	21.540	ug/l #	100
73) Isopropylbenzene	12.25	105	321815	23.423	ug/l	99
74) N-amyl acetate	12.07	43	100689	19.317	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95810	22.432	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81461m	21.506	ug/l	
77) Bromobenzene	12.53	156	84529	22.172	ug/l	92
78) n-propylbenzene	12.59	91	340363	20.647	ug/l	98
79) 2-Chlorotoluene	12.67	91	208362	22.699	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	272693	23.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26833	18.210	ug/l	98
82) 4-Chlorotoluene	12.77	91	198001	20.385	ug/l	98
83) tert-Butylbenzene	12.99	119	243674	24.379	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	270461	23.412	ug/l	100
85) sec-Butylbenzene	13.17	105	311167	23.959	ug/l	100
86) p-Isopropyltoluene	13.29	119	284888	23.738	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	138590	21.986	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132141	21.955	ug/l	99
89) n-Butylbenzene	13.61	91	219774	21.575	ug/l	99
90) Hexachloroethane	13.87	117	54815	23.693	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	139519	22.204	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17116	20.317	ug/l	90

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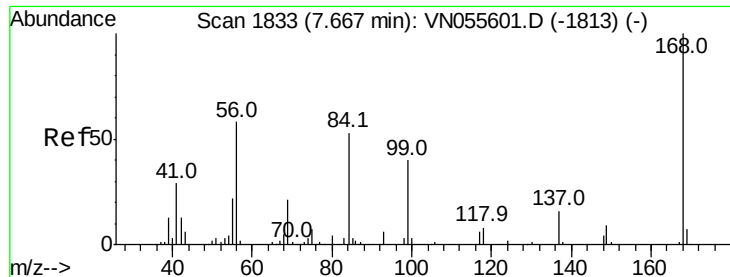
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75680	23.661	ug/l	99
94) Hexachlorobutadiene	15.01	225	59749	29.771	ug/l	97
95) Naphthalene	15.13	128	193289	21.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	81017	24.225	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion:168 Resp: 338747

Ion Ratio Lower Upper

168 100

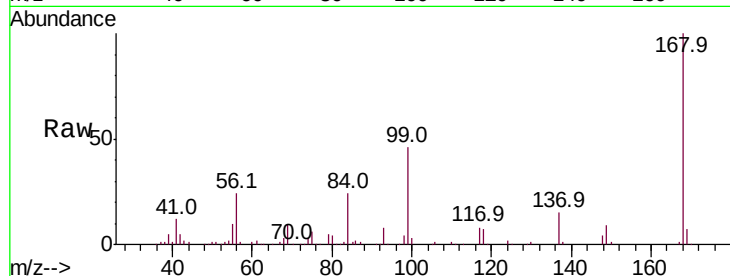
99 45.3 40.2 60.2

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

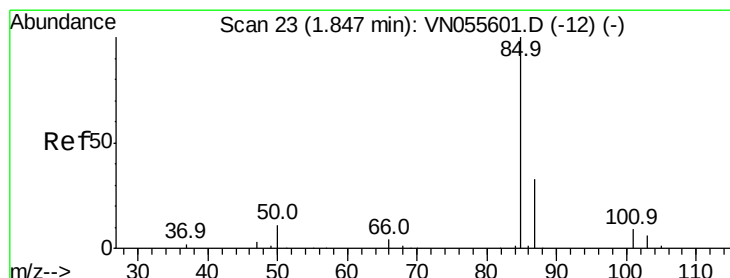
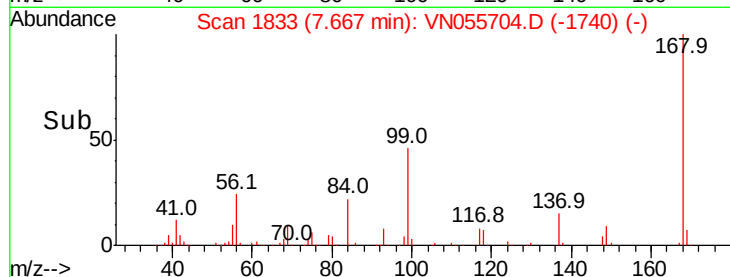
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.121 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055704.D

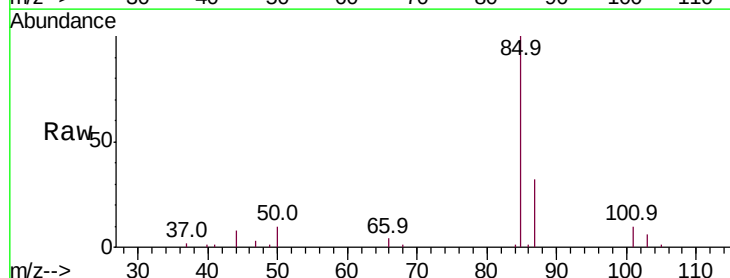
Acq: 21 May 2019 13:05

Tgt Ion: 85 Resp: 49835

Ion Ratio Lower Upper

85 100

87 32.3 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

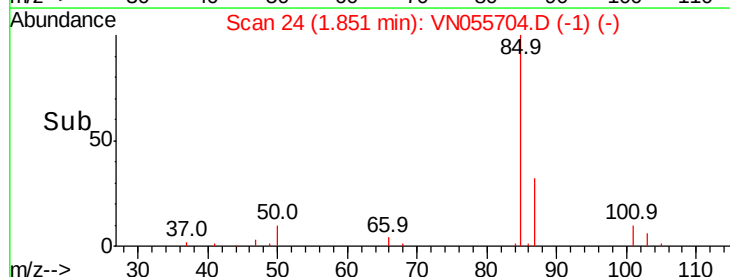
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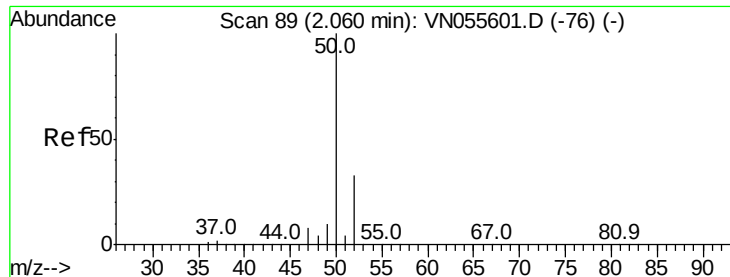
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.204 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 50 Resp: 59810

Ion Ratio Lower Upper

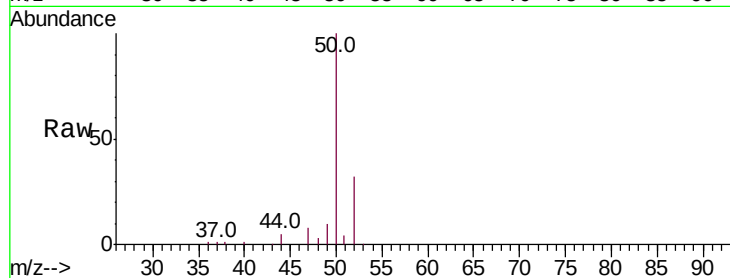
50 100

52 32.4 26.7 40.1

Manual Integrations
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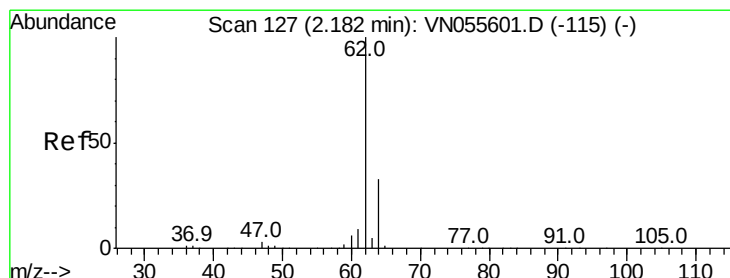
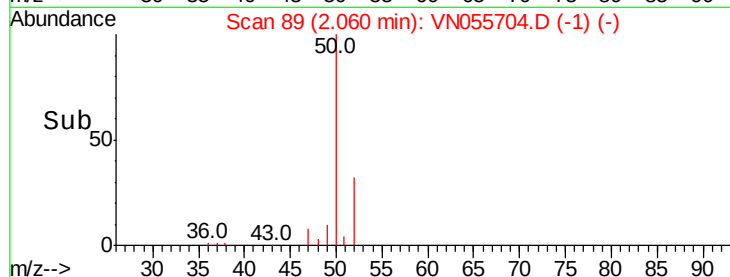
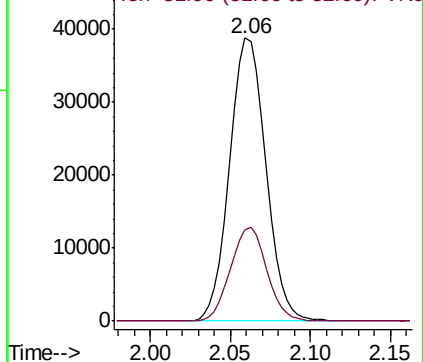
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.635 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055704.D

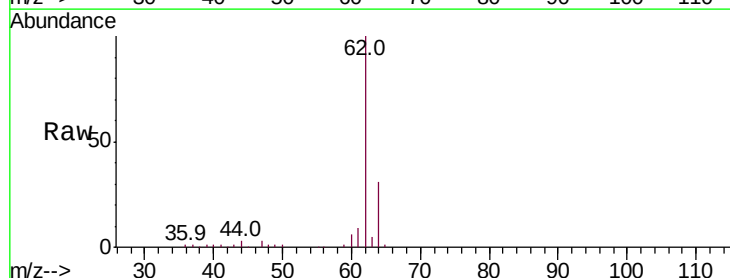
Acq: 21 May 2019 13:05

Tgt Ion: 62 Resp: 70149

Ion Ratio Lower Upper

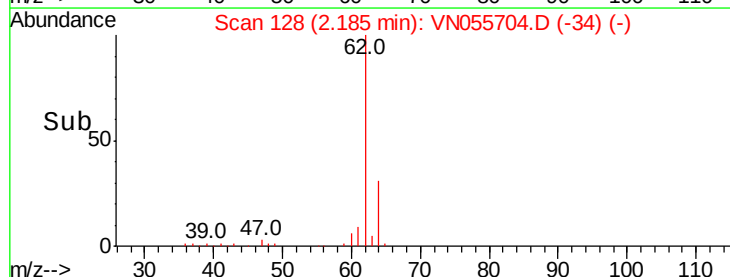
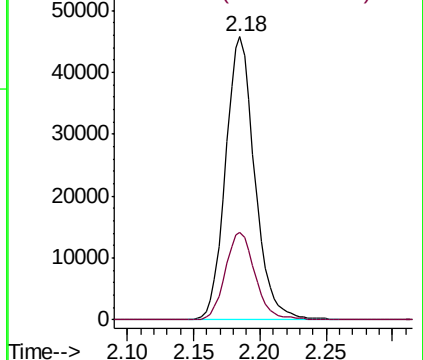
62 100

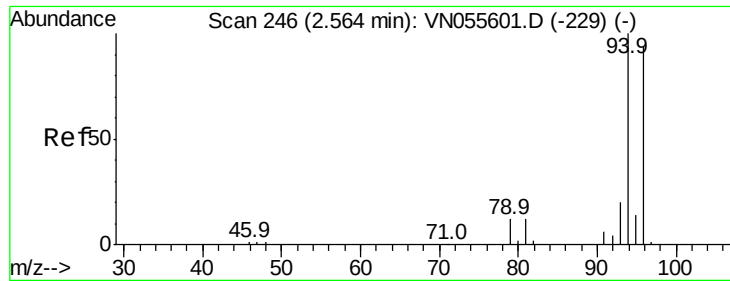
64 31.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.808 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

VN0521WBS01

Tot Ion: 94 Resp: 47521

Ion Ratio Lower Upper

94 100

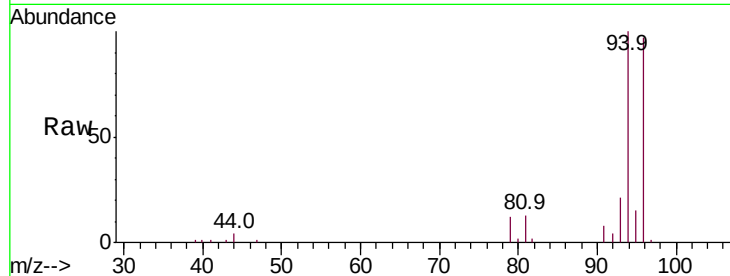
96 97.0 75.2 112.8

Manual Integrations

APPROVED

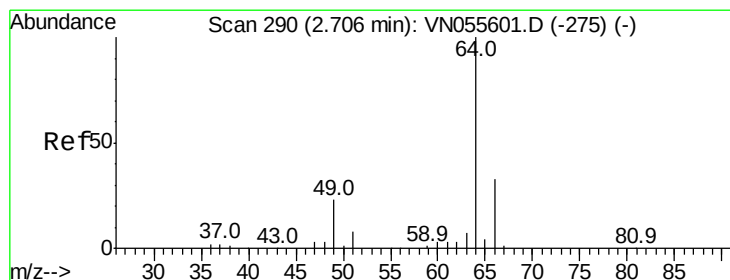
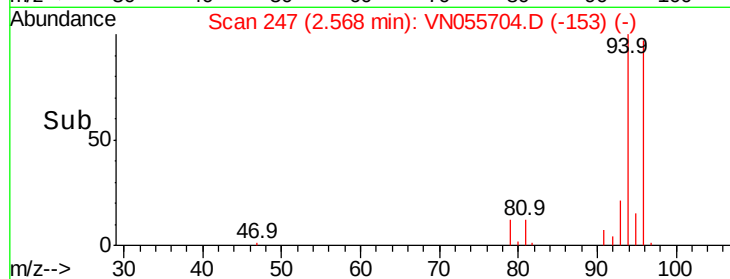
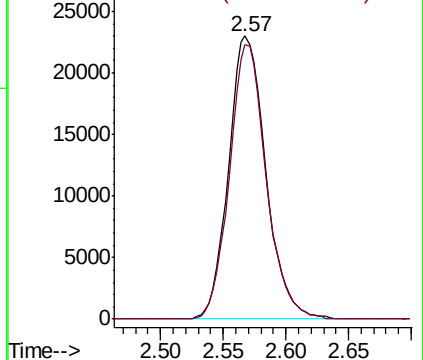
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.299 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055704.D

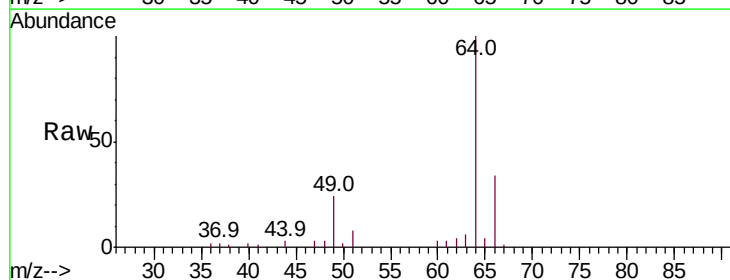
Acq: 21 May 2019 13:05

Tgt Ion: 64 Resp: 40337

Ion Ratio Lower Upper

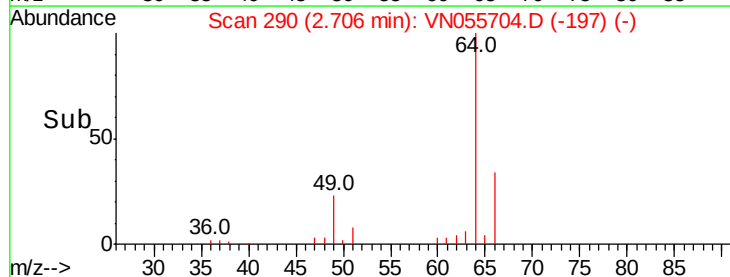
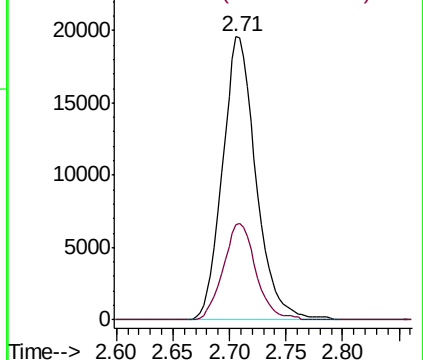
64 100

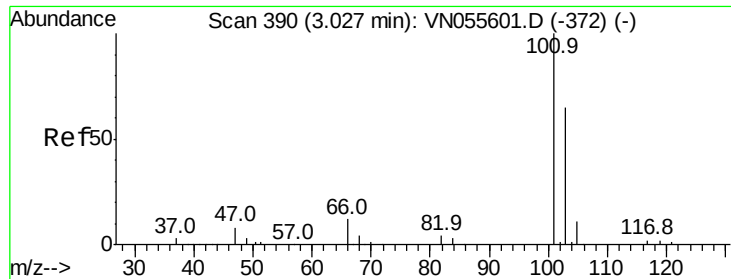
66 33.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.385 ug/l

RT: 3.03 min Scan# 390

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion:101 Resp: 98337

Ion Ratio Lower Upper

101 100

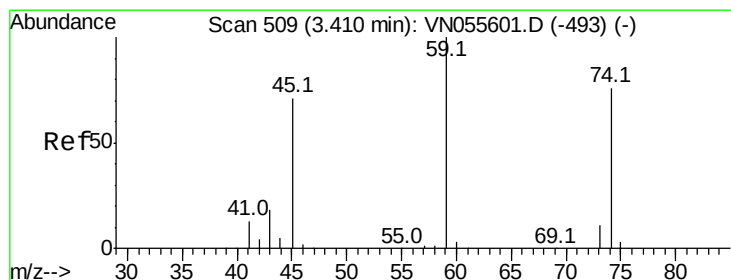
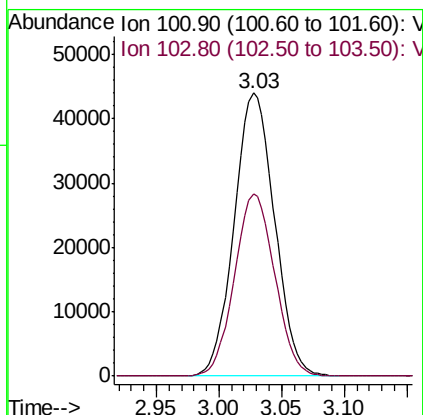
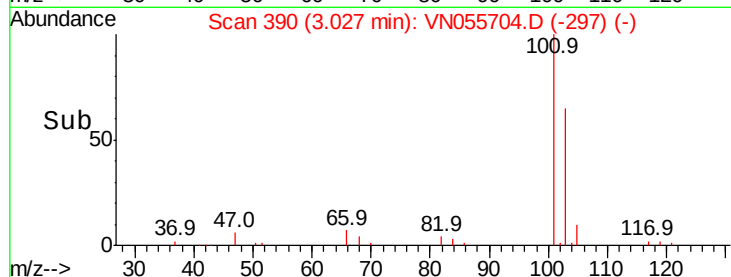
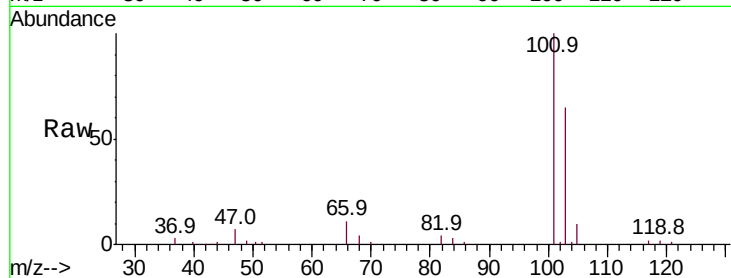
103 64.6 52.3 78.5

Manual Integrations

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#8

Diethyl Ether

Concen: 19.850 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN055704.D

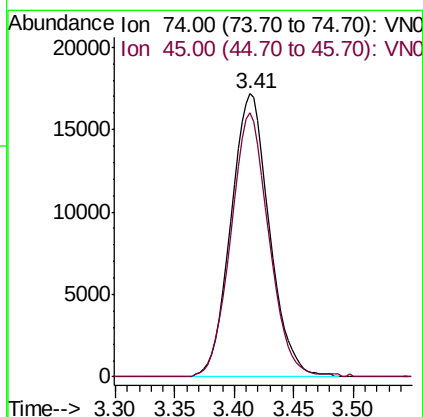
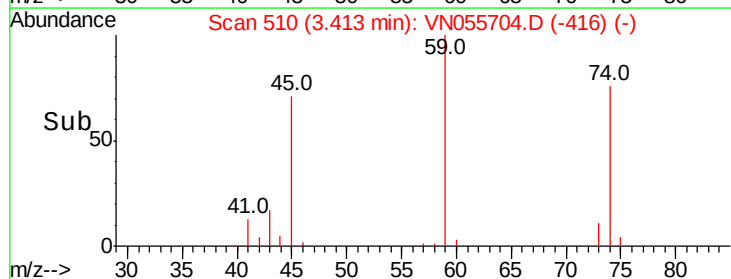
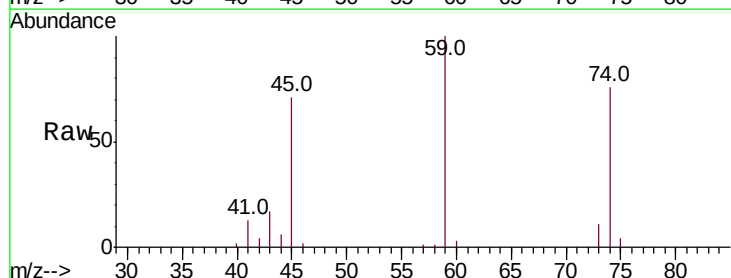
Acq: 21 May 2019 13:05

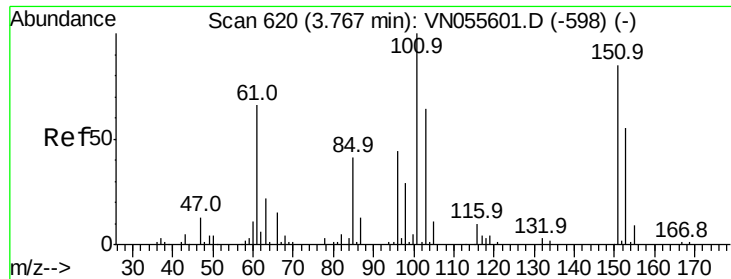
Tgt Ion: 74 Resp: 38467

Ion Ratio Lower Upper

74 100

45 91.9 46.4 139.2





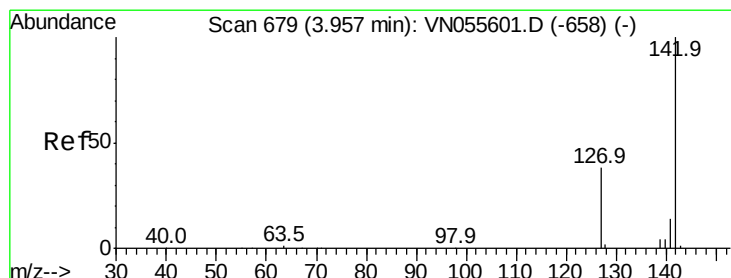
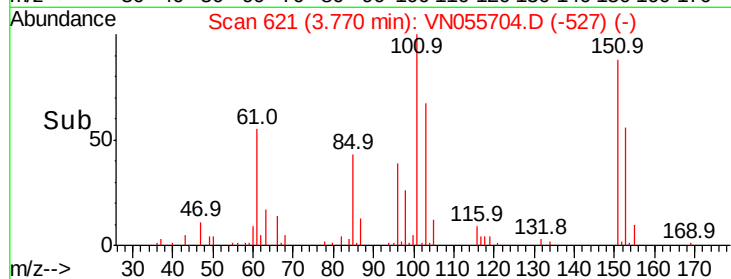
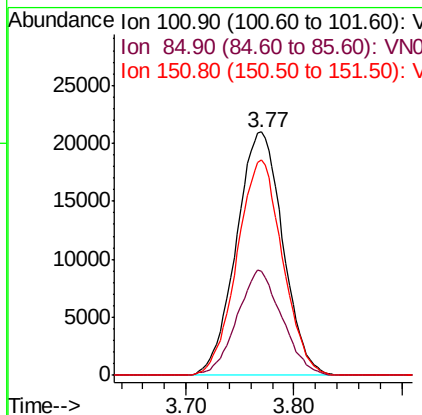
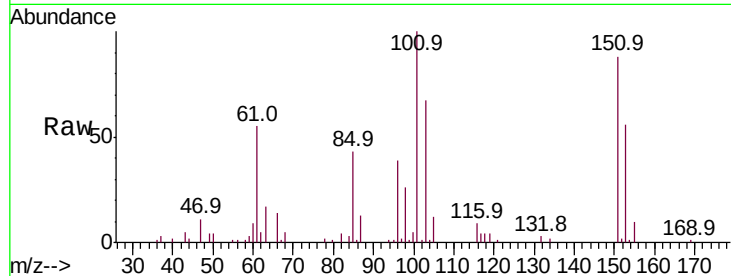
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.346 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.6	33.4	50.0
151	86.5	69.3	103.9

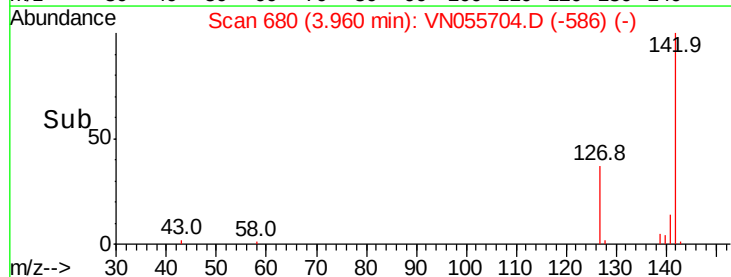
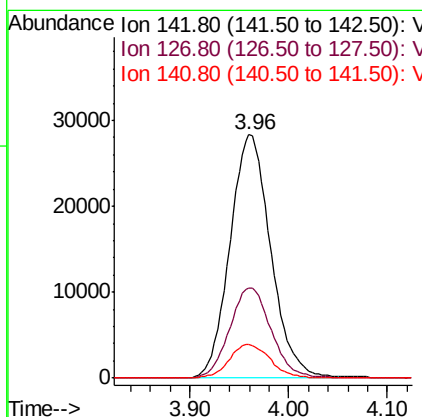
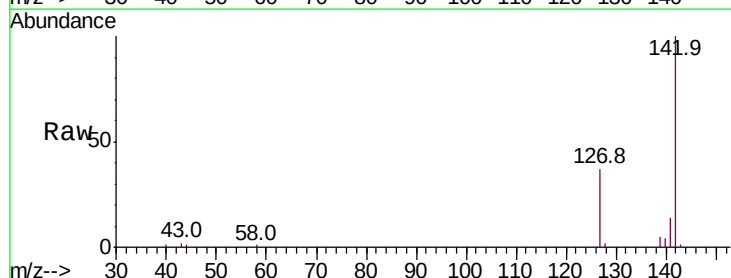
Manual Integrations
 APPROVED

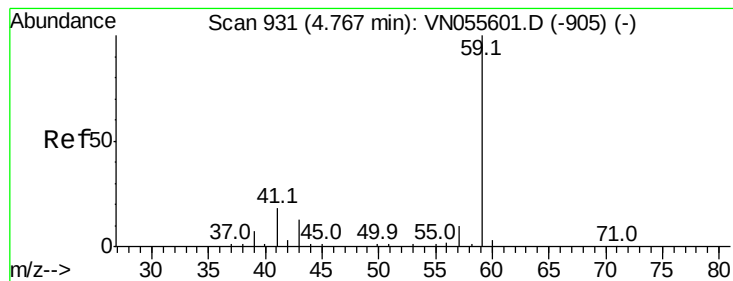
MMDadoda
 5/22/2019 4:11:29 PM



#10
 Methyl Iodide
 Concen: 19.183 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.8	31.0	46.4
141	13.9	11.5	17.3





#11

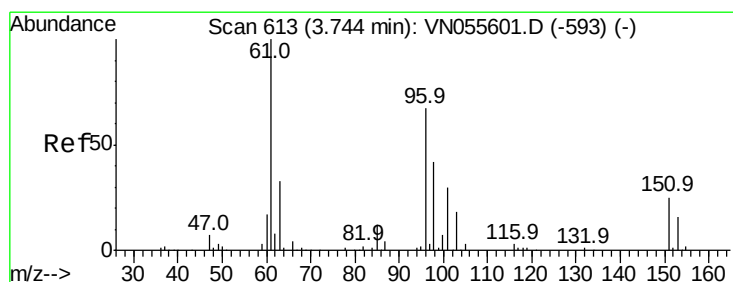
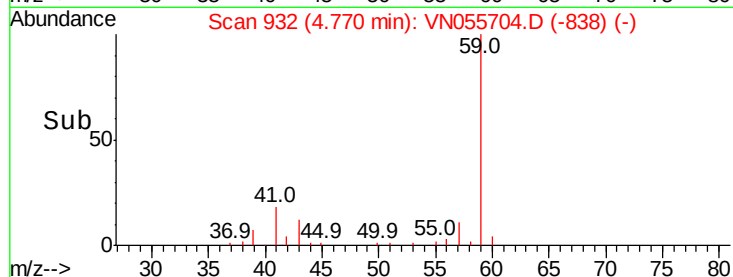
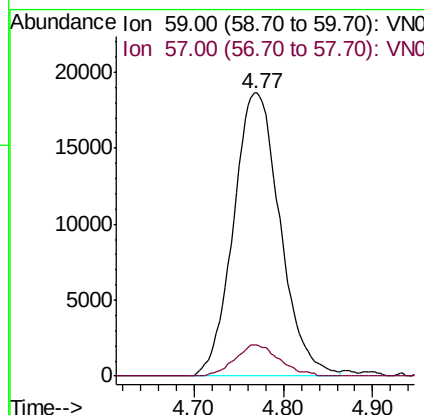
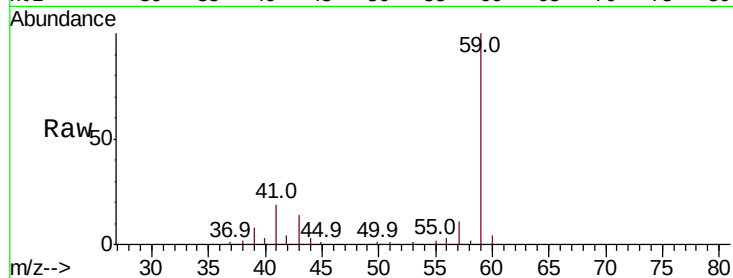
Tert butyl alcohol
 Concen: 97.836 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.6

Manual Integrations
 APPROVED

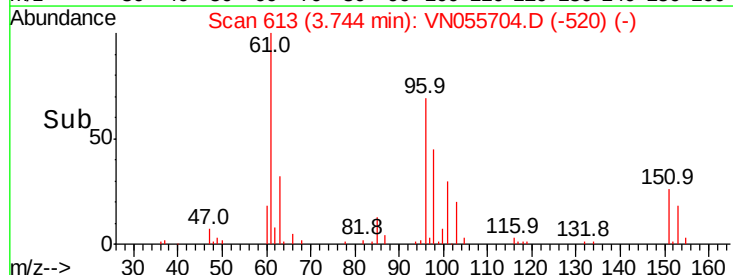
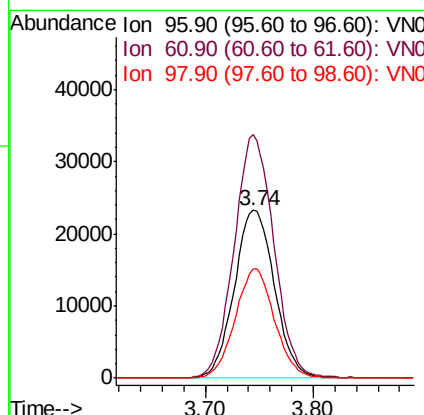
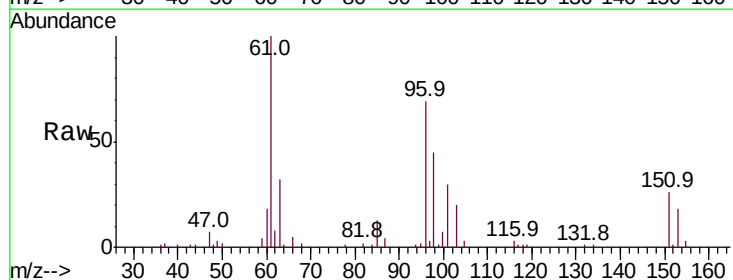
MMDadoda
 5/22/2019 4:11:29 PM

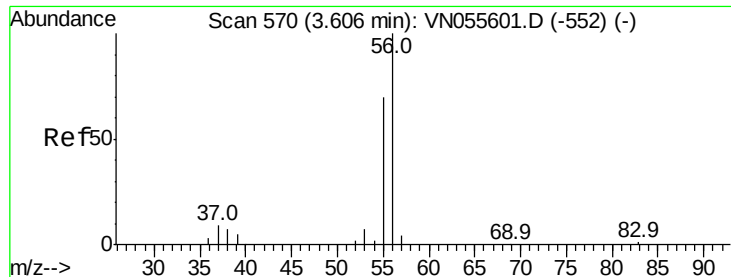


#12

1,1-Dichloroethene
 Concen: 19.528 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	120.2	180.2
98	65.0	50.6	75.8





#13

Acrolein

Concen: 81.692 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 56 Resp: 28530

Ion Ratio Lower Upper

56 100

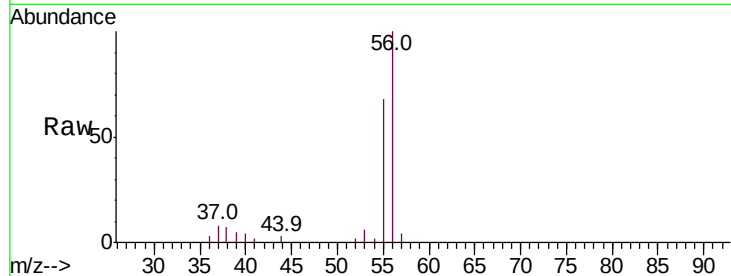
55 72.1 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

5/22/2019 4:11:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VN055704.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055704.D (-477) (-)

3.61

12000

10000

8000

6000

4000

2000

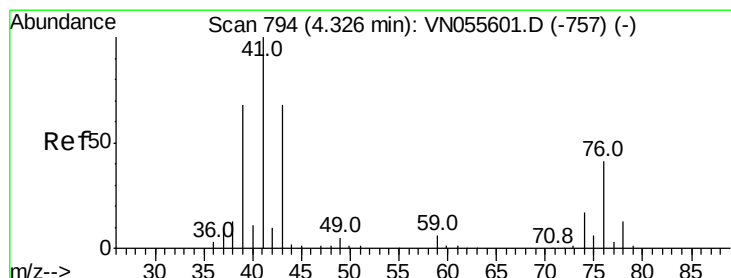
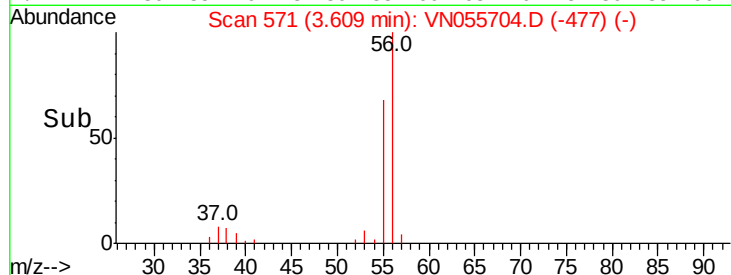
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 19.025 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

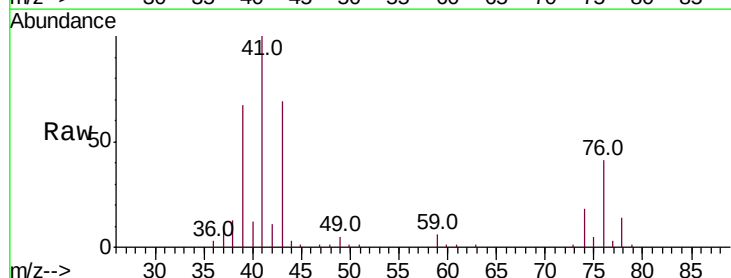
Tgt Ion: 41 Resp: 95014

Ion Ratio Lower Upper

41 100

39 63.2 50.5 75.7

76 38.2 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VN055704.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN055704.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN055704.D (-701) (-)

4.33

40000

30000

20000

10000

0

Time-->

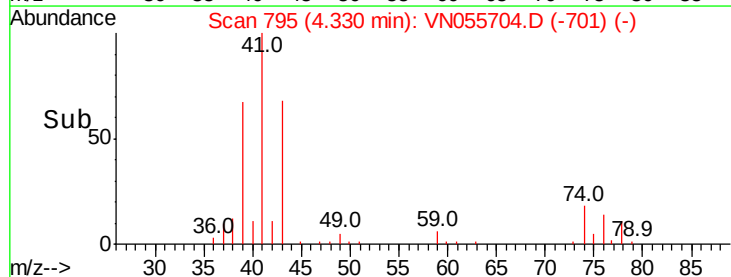
4.10

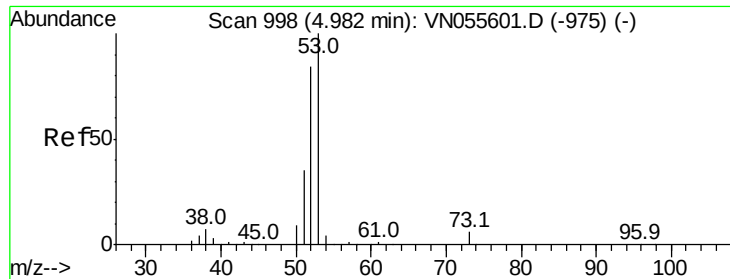
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 97.951 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

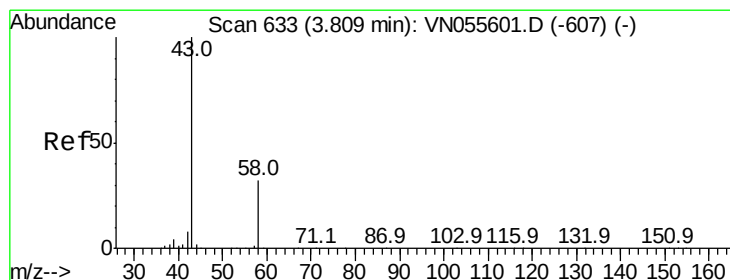
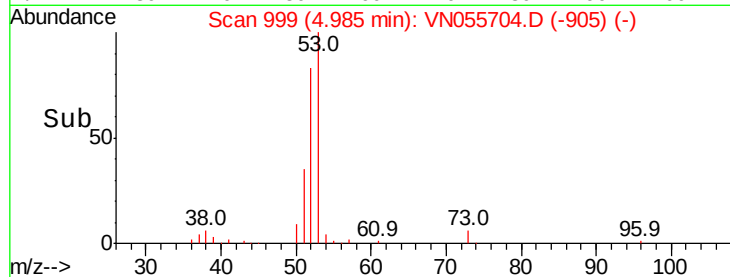
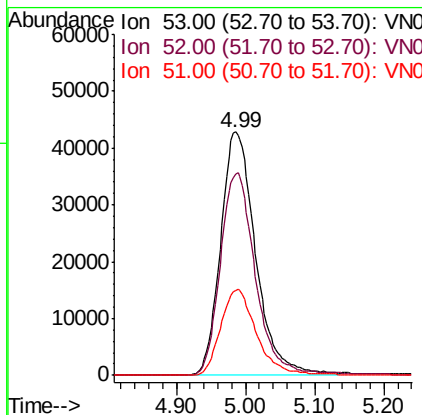
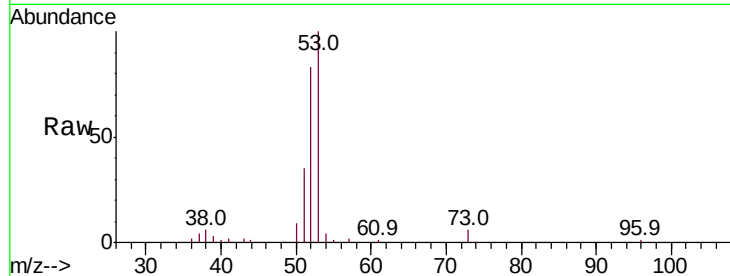
ClientSampleId :

VN0521WBS01

Tot Ion:	53	Resp:	150907
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.2	99.4
51	35.7	28.5	42.7

Manual Integrations
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5/22/2019 4:11:29 PM



#16

Acetone

Concen: 97.736 ug/l

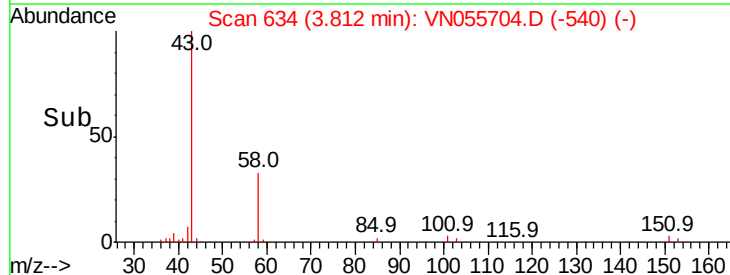
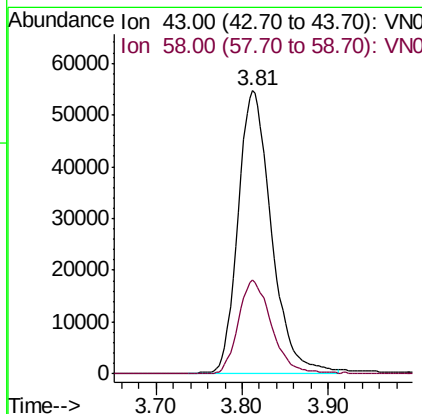
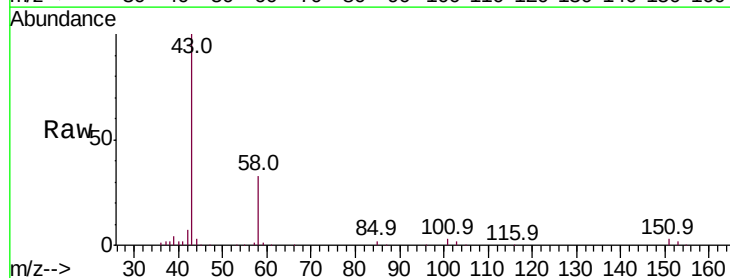
RT: 3.81 min Scan# 634

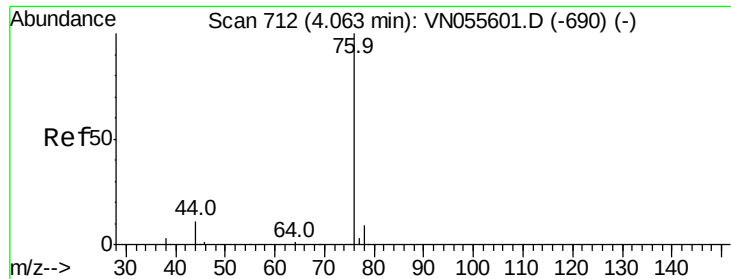
Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	43	Resp:	148109
Ion Ratio		Lower	Upper
43	100		
58	33.0	26.0	39.0





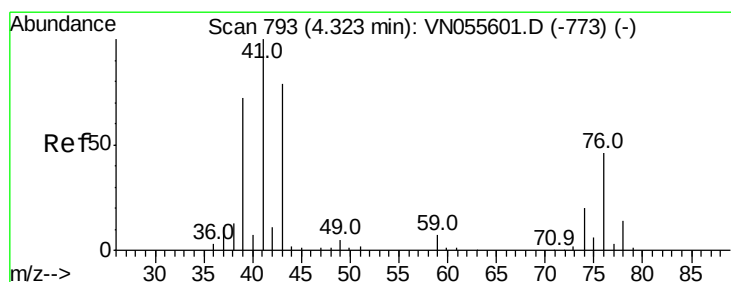
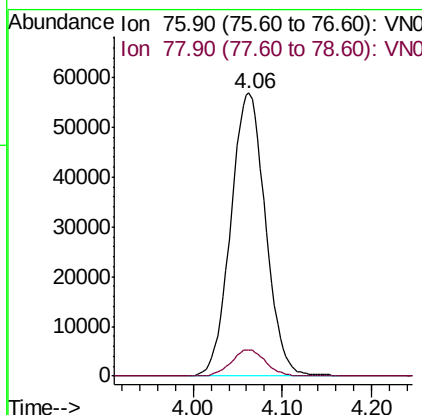
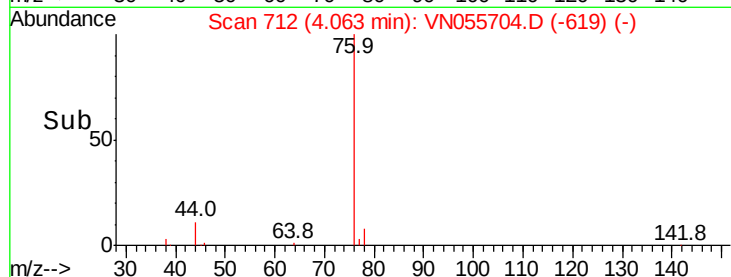
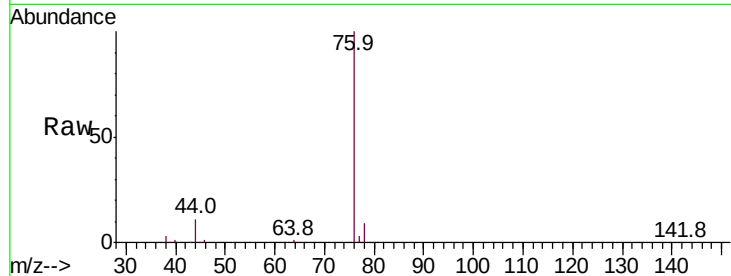
#17
Carbon Disulfide
Concen: 17.858 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

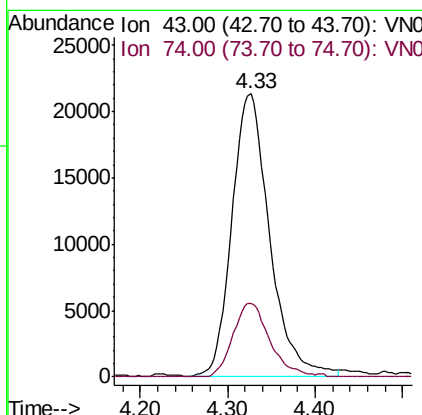
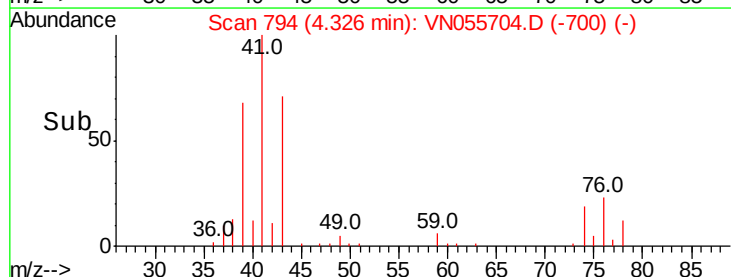
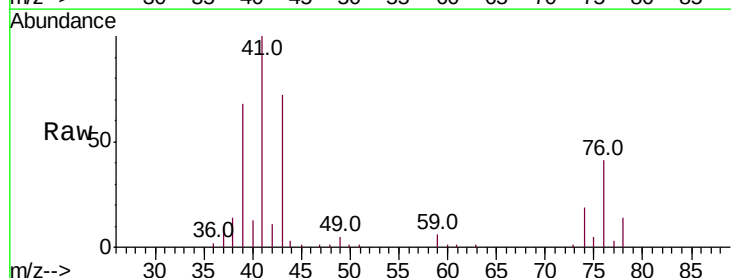
Manual Integrations
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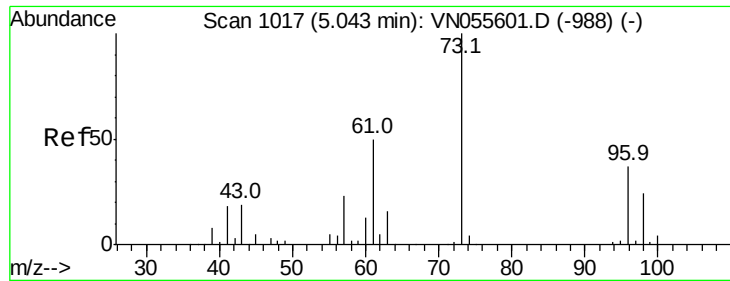
MMDadoda
5/22/2019 4:11:29 PM



#18
Methyl Acetate
Concen: 19.745 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.9	29.9





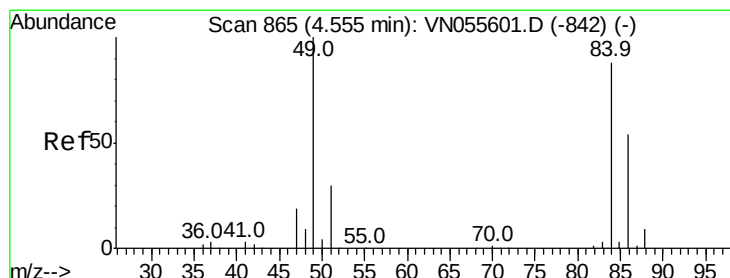
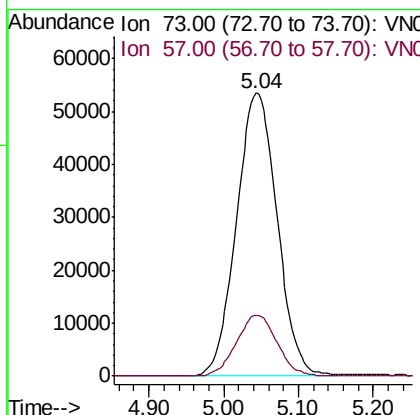
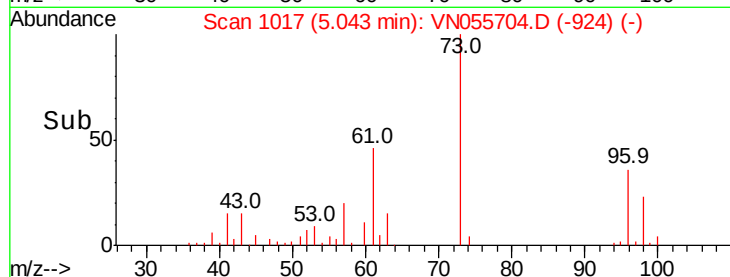
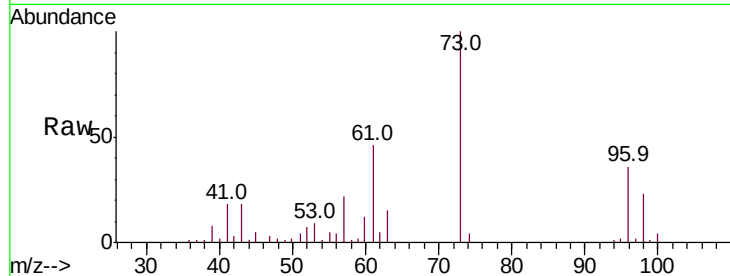
#19
Methvl tert-butyl Ether
Concen: 19.794 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion: 73 Resp: 202582
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

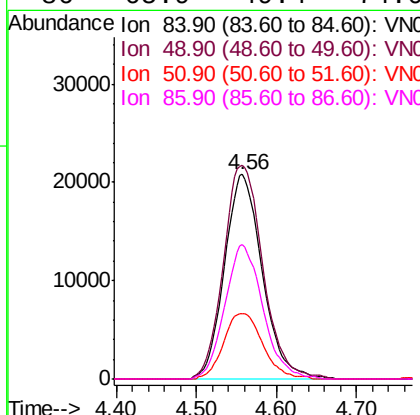
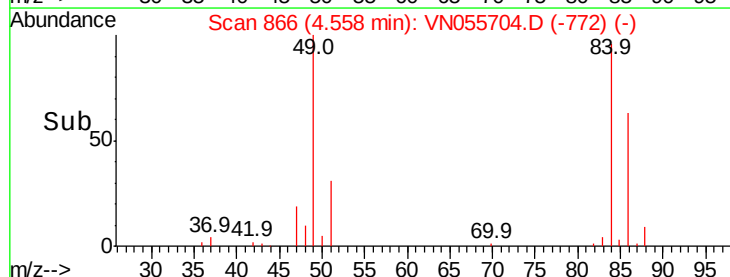
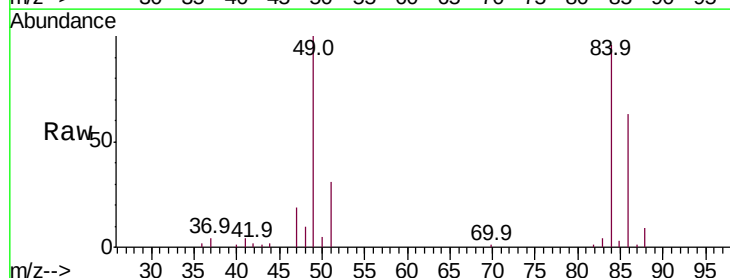
Manual Integrations
APPROVED

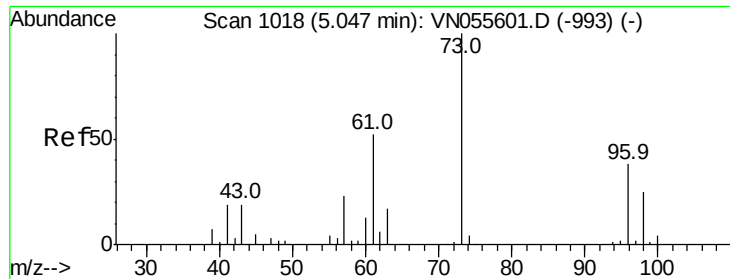
MMDadoda
5/22/2019 4:11:29 PM



#20
Methylene Chloride
Concen: 19.379 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 84 Resp: 67021
Ion Ratio Lower Upper
84 100
49 104.3 91.0 136.4
51 32.0 27.5 41.3
86 65.9 49.4 74.0





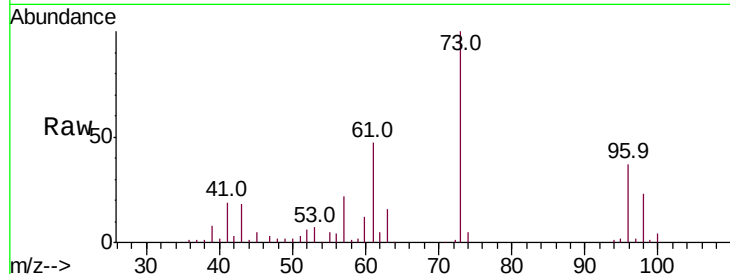
#21
trans-1,2-Dichloroethene
Concen: 19.637 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	108.6	162.8
98	63.3	51.4	77.0

Manual Integrations
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MMDadoda
5/22/2019 4:11:29 PM

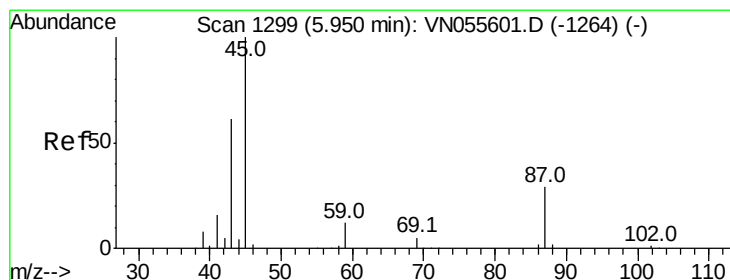
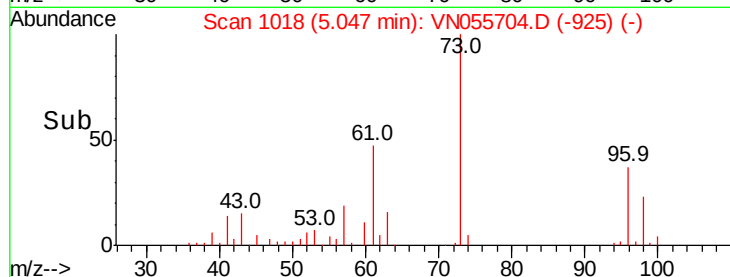
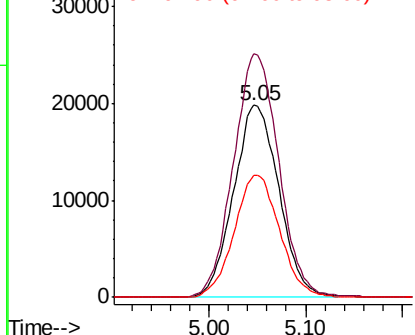


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 19.168 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	50.4	75.6
87	29.9	23.8	35.6
59	12.7	9.5	14.3

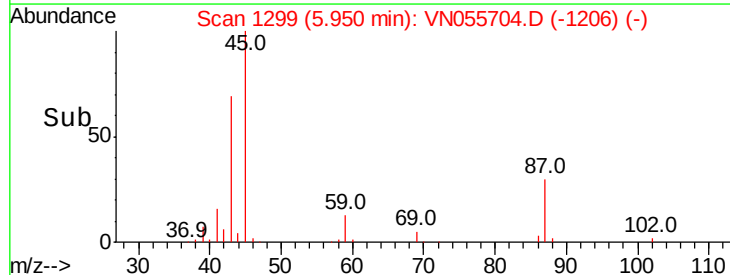
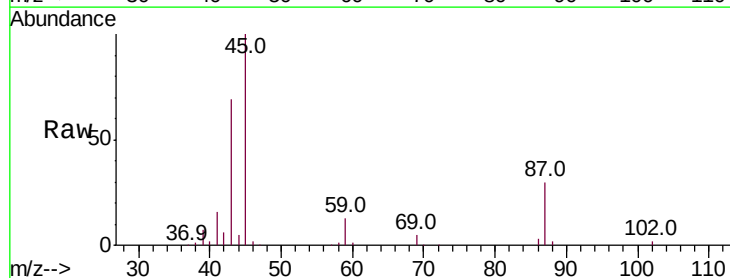
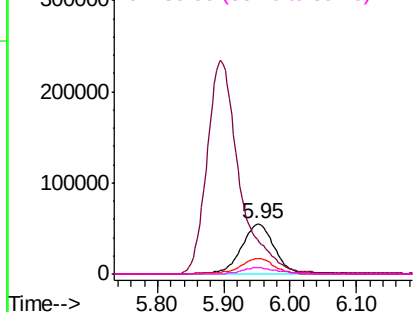
Abundance

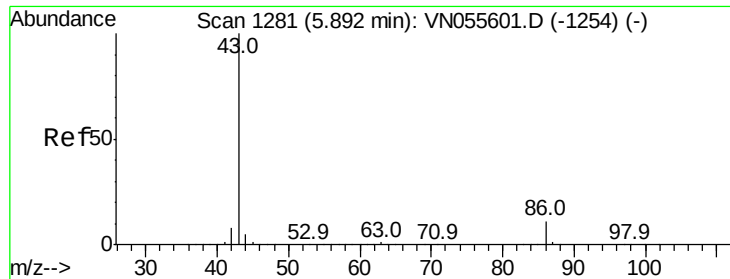
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





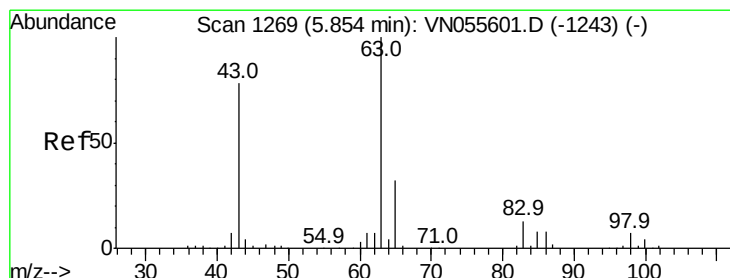
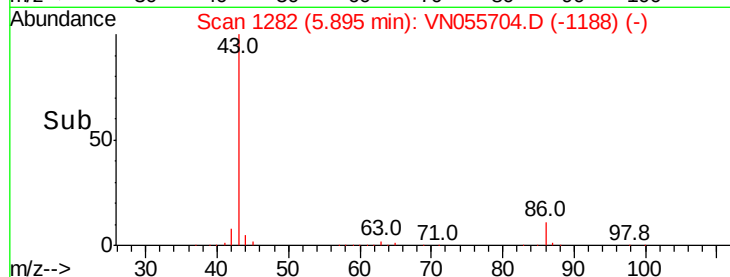
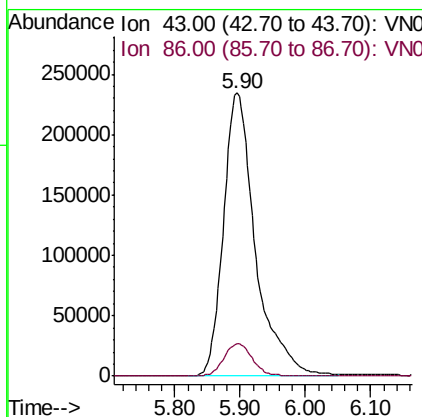
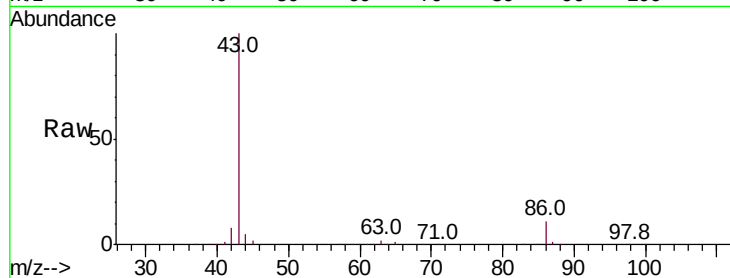
#23
Vinyl Acetate
Concen: 95.020 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.7	13.1

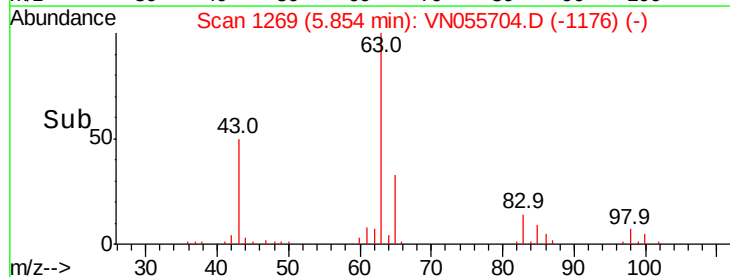
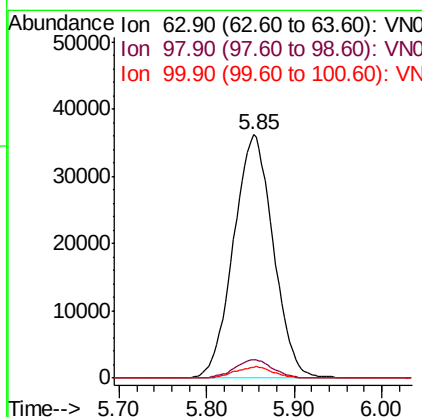
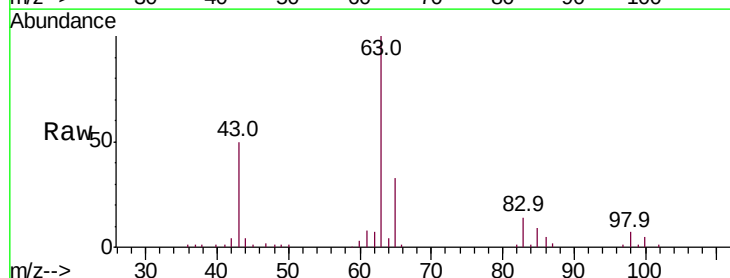
Manual Integrations
APPROVED

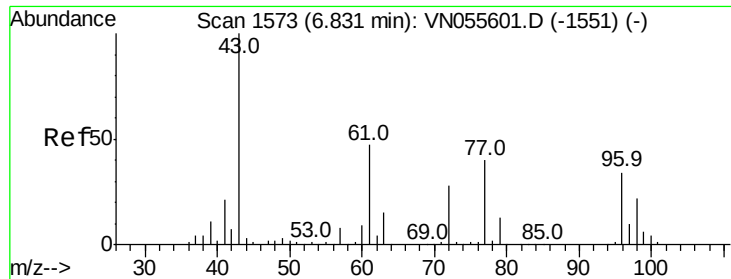
MMDadoda
5/22/2019 4:11:29 PM



#24
1,1-Dichloroethane
Concen: 19.642 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.2
100	4.6	2.2	6.6





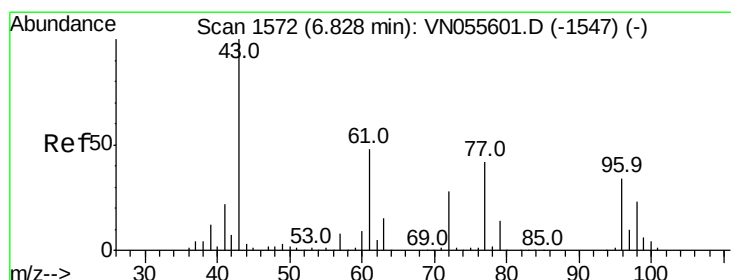
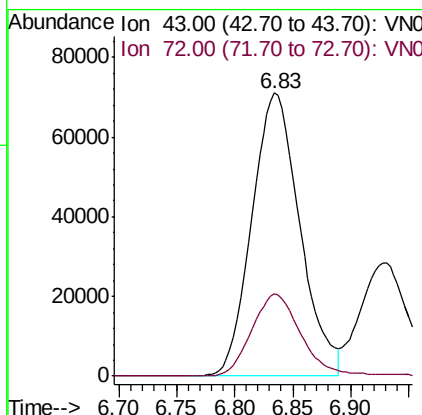
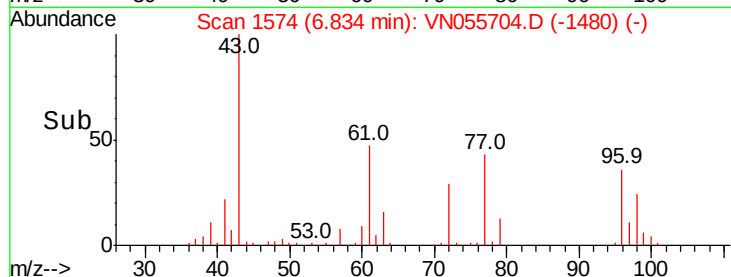
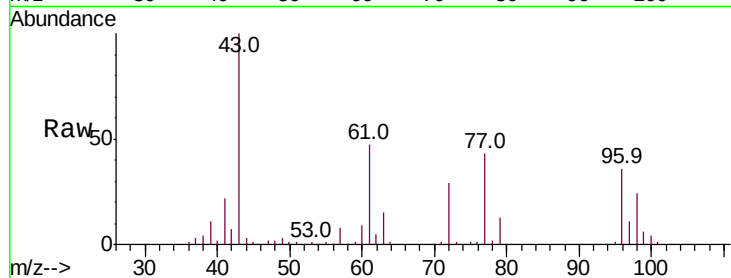
#25
2-Butanone
Concen: 96.705 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion: 43 Resp: 204904
Ion Ratio Lower Upper
43 100
72 29.1 22.3 33.5

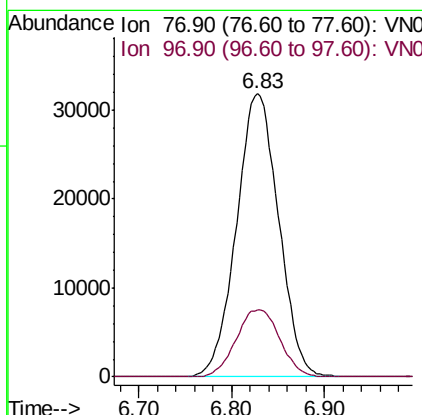
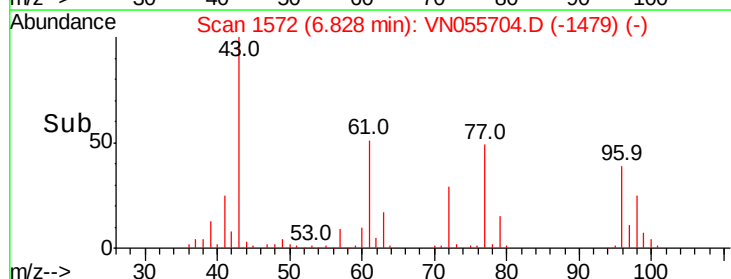
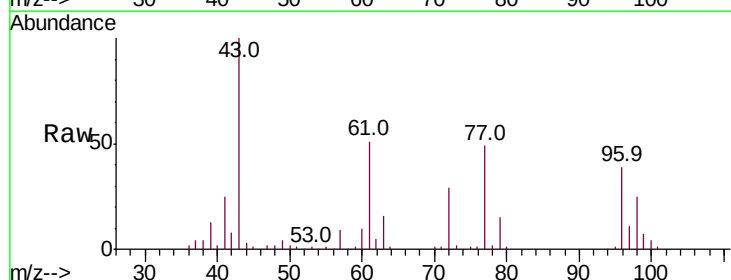
Manual Integrations
APPROVED

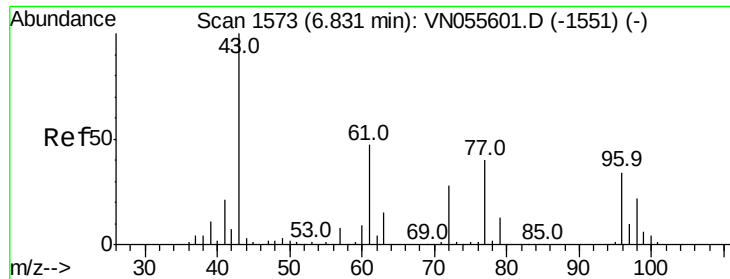
MMDadoda
5/22/2019 4:11:29 PM



#26
2,2-Dichloropropane
Concen: 19.503 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 77 Resp: 100442
Ion Ratio Lower Upper
77 100
97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.199 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

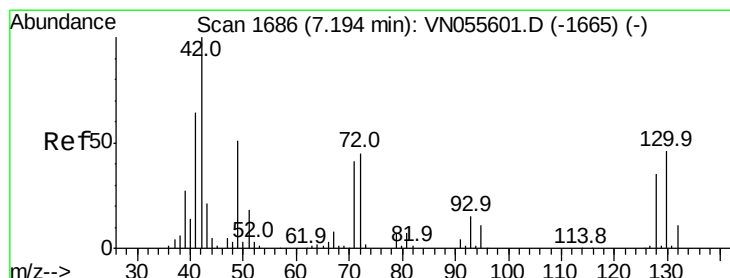
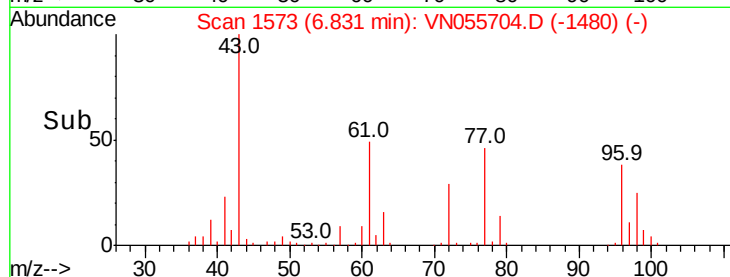
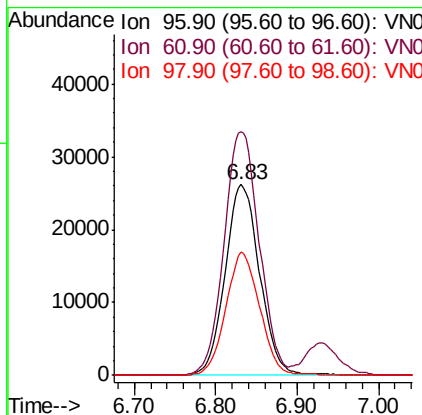
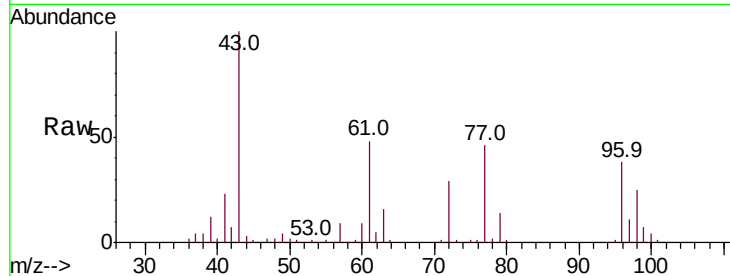
ClientSampleId :

VN0521WBS01

Tot Ion:	96	Resp:	77513
Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	279.0
98	63.1	0.0	131.6

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#28

Bromochloromethane

Concen: 17.206 ug/l

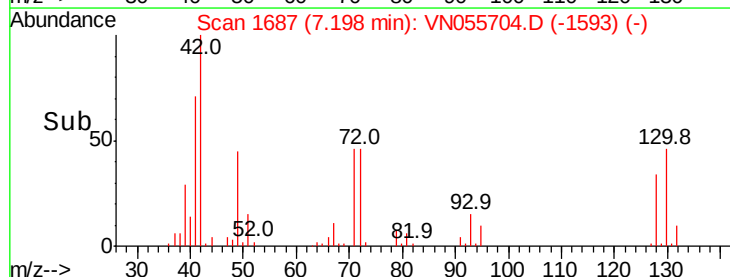
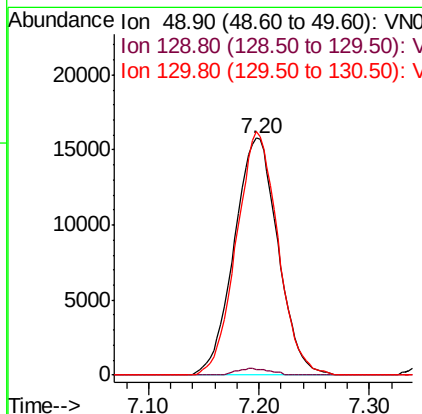
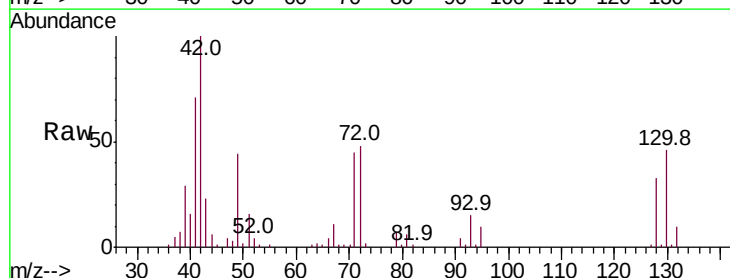
RT: 7.20 min Scan# 1687

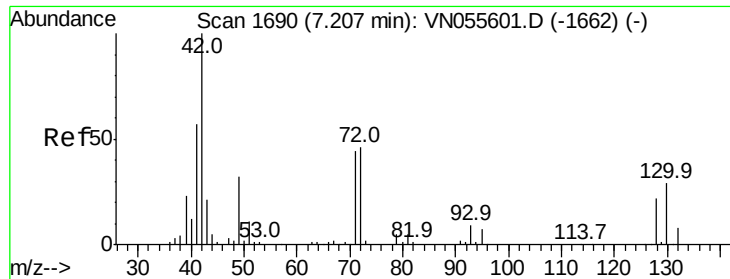
Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	49	Resp:	43437
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	97.5	71.0	106.6





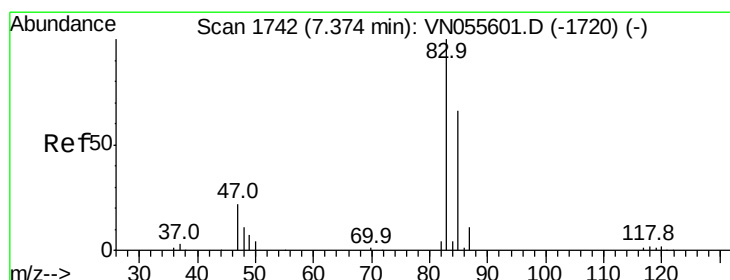
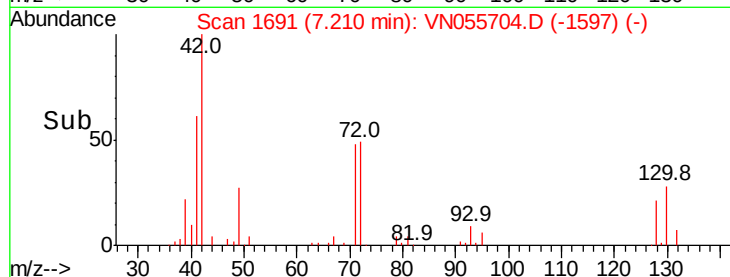
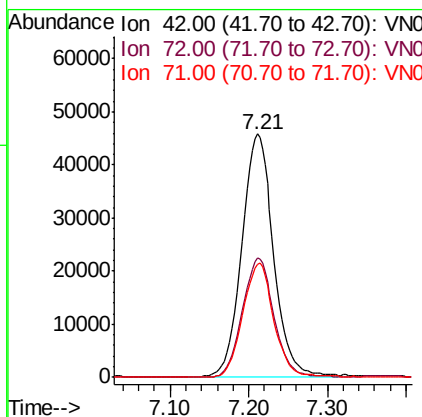
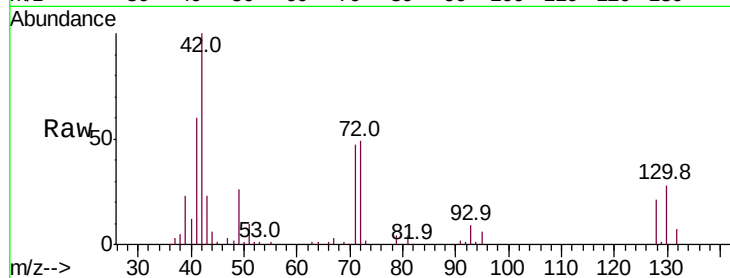
#29
Tetrahydrofuran
Concen: 92.868 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	36.5	54.7
71	45.9	34.9	52.3

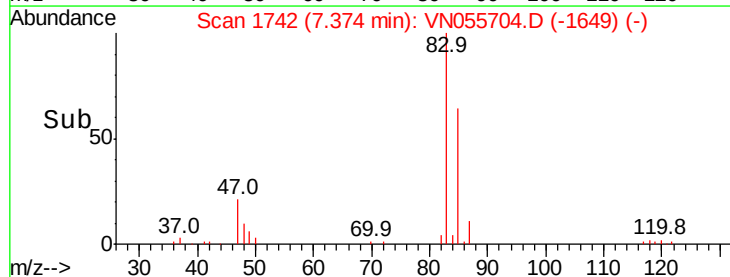
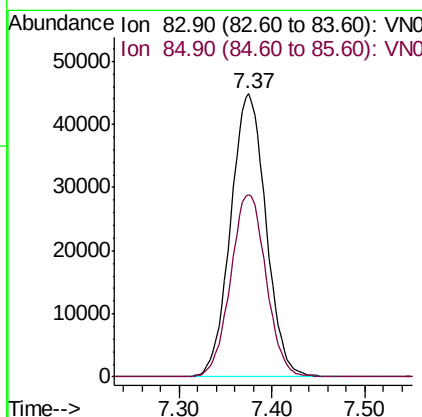
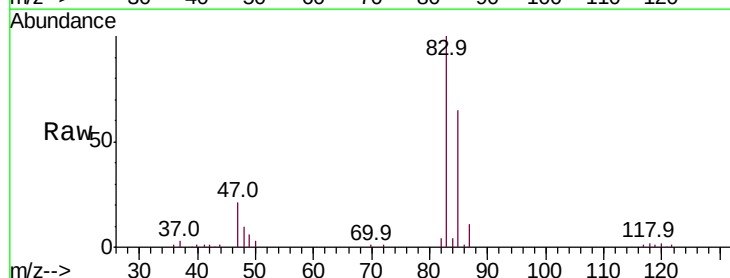
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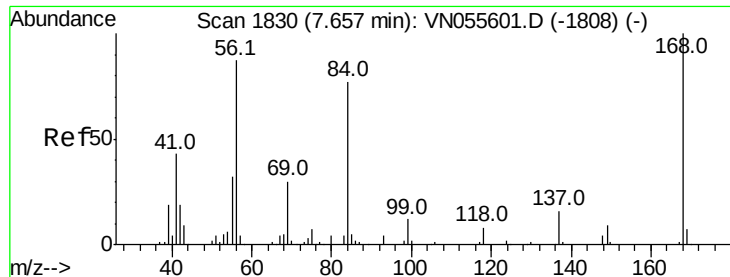
MMDadoda
5/22/2019 4:11:29 PM



#30
Chloroform
Concen: 19.865 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8





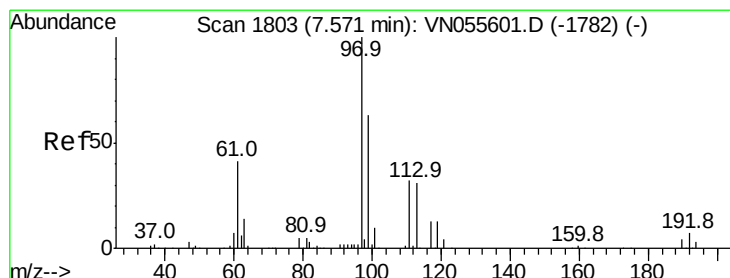
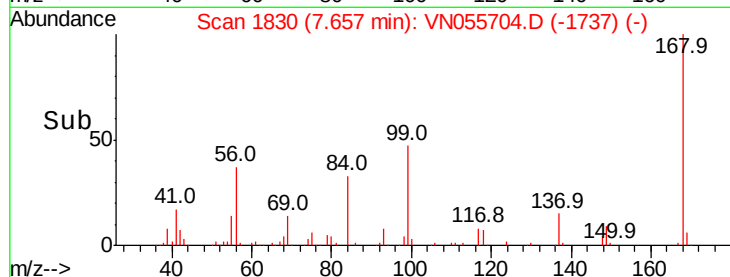
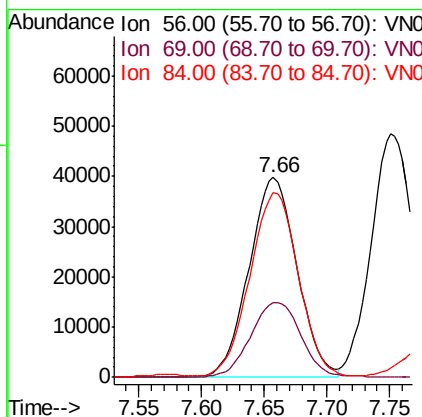
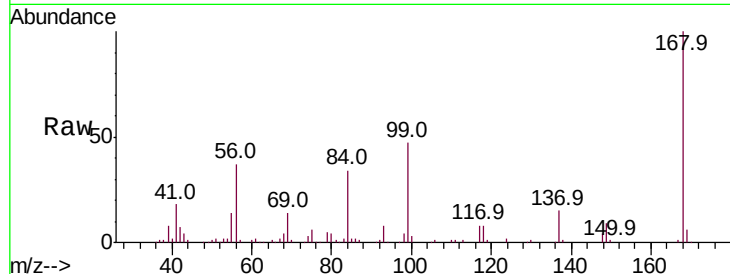
#31
Cyclohexane
Concen: 19.247 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	27.2	40.8
84	91.5	71.3	106.9

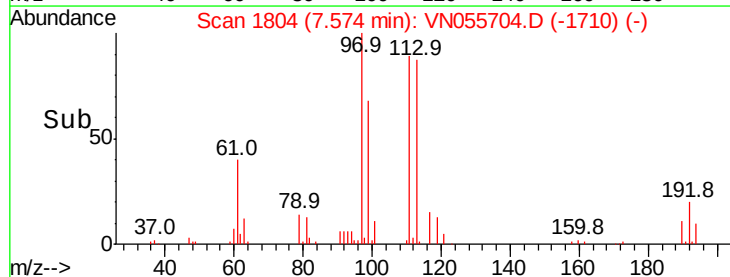
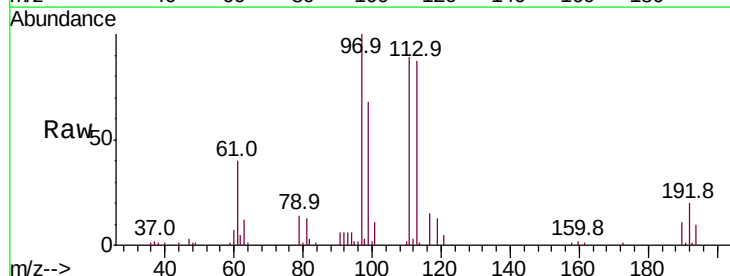
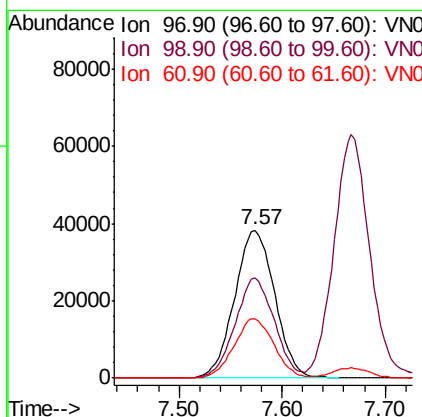
Manual Integrations
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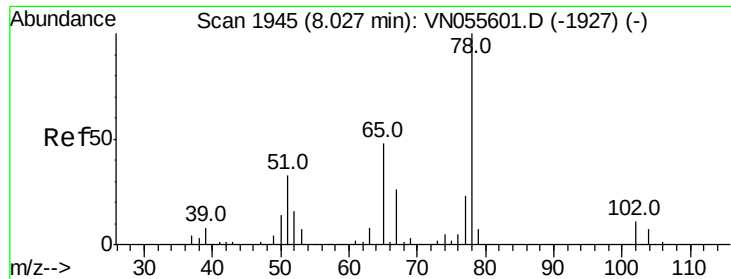
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.442 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.4	77.2
61	39.8	32.9	49.3





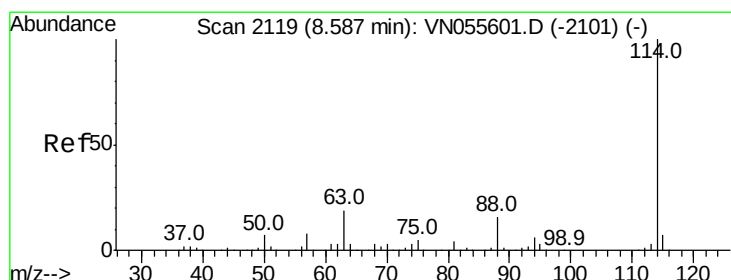
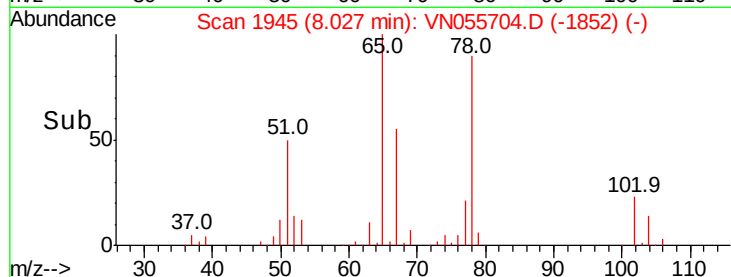
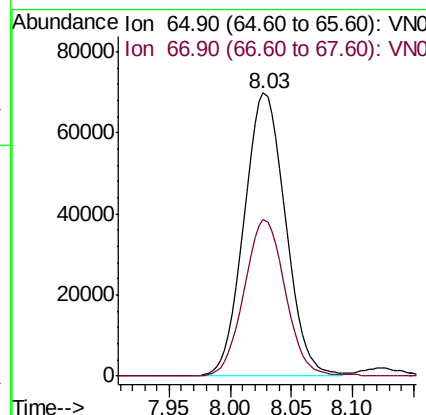
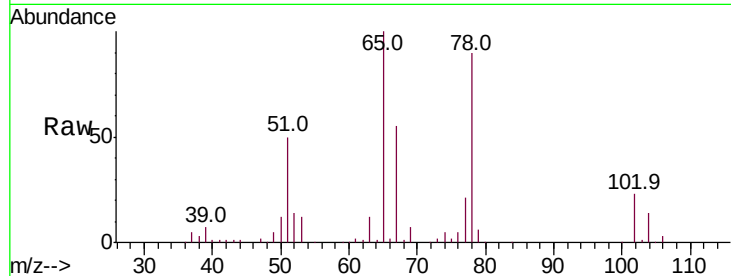
#33
 1,2-Dichloroethane-d4
 Concen: 44.299 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164498		
67	54.9	0.0	108.6	

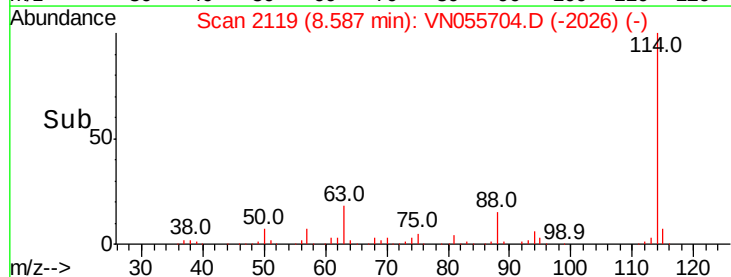
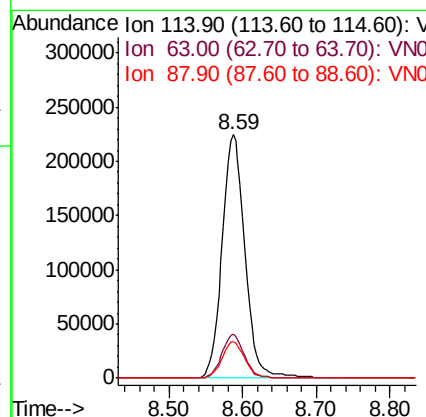
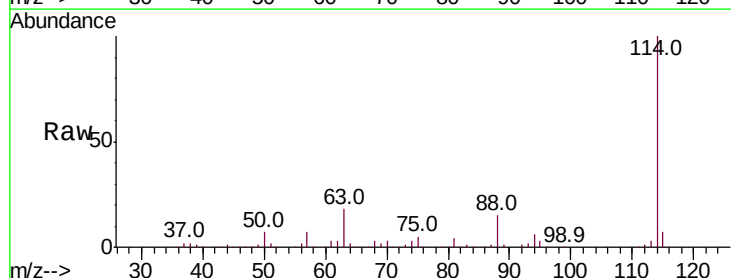
Manual Integrations
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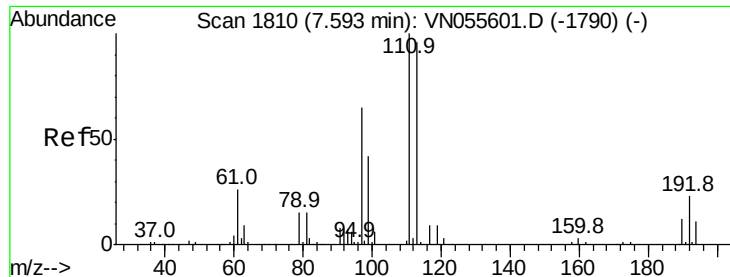
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	481963		
63	17.9	0.0	38.2	
88	14.9	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.570 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

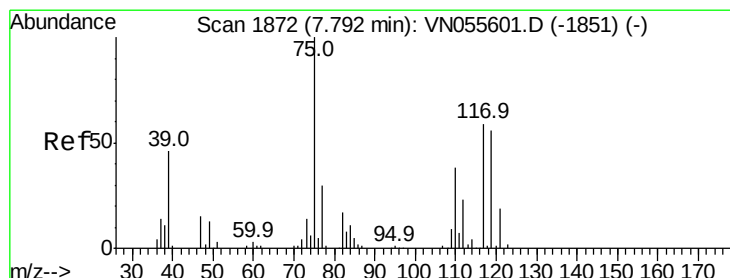
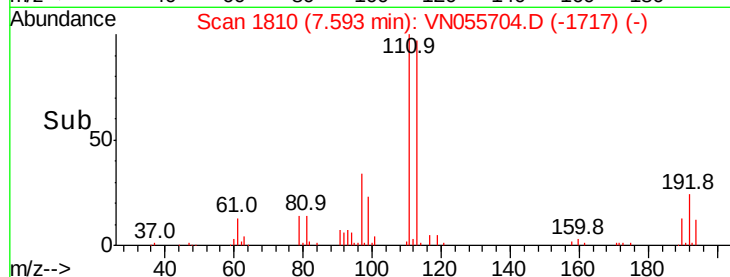
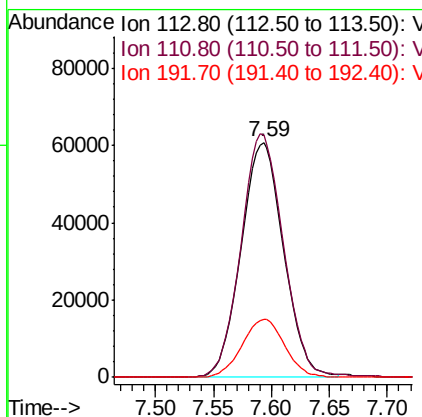
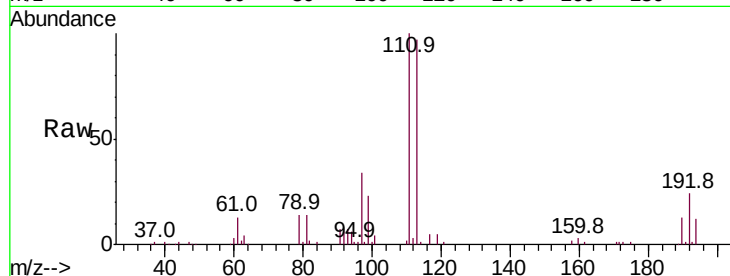
ClientSampleId :

VN0521WBS01

Tot Ion:	113	Resp:	154827
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.5	123.7
192	24.7	18.7	28.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.917 ug/l

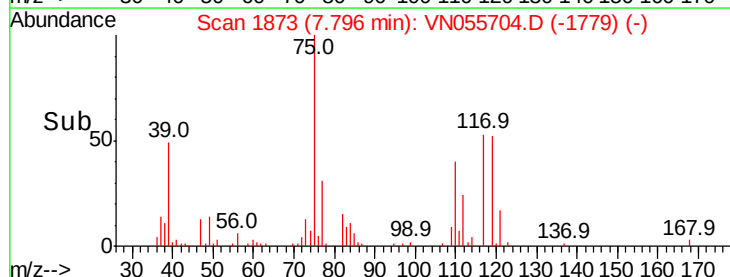
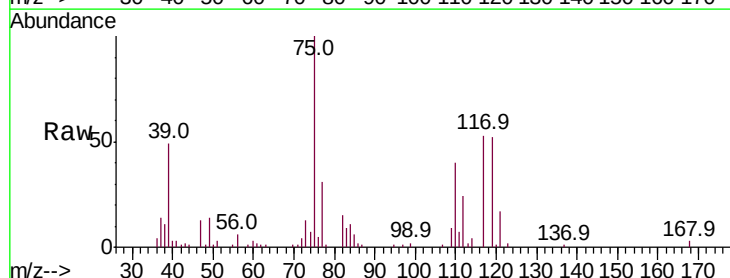
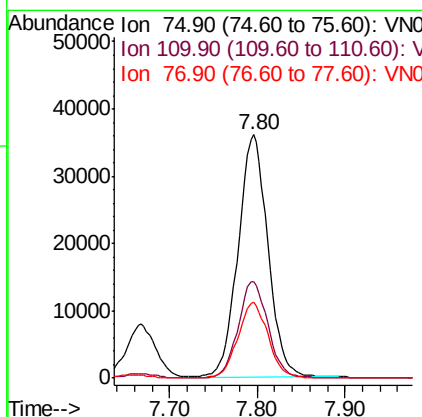
RT: 7.80 min Scan# 1873

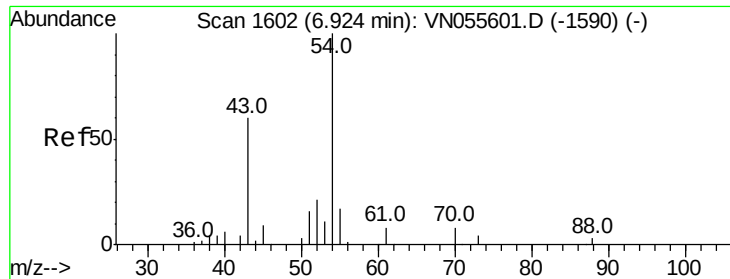
Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	75	Resp:	85582
Ion	Ratio	Lower	Upper
75	100		
110	39.8	18.6	55.6
77	31.5	24.9	37.3





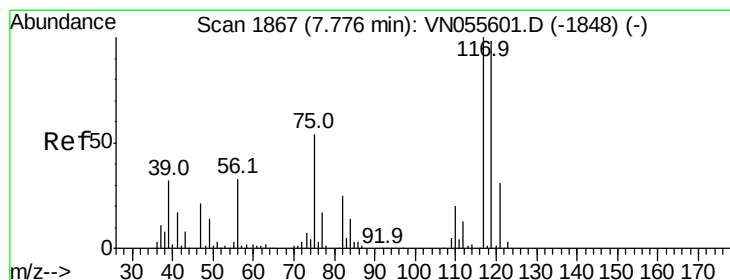
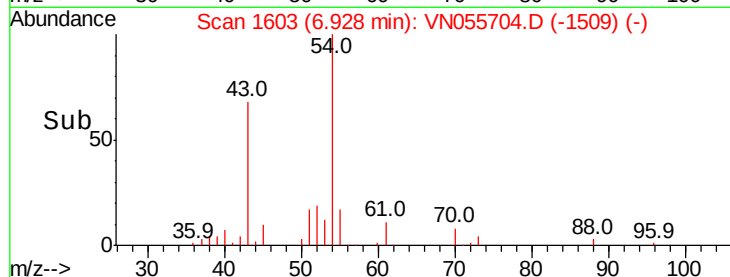
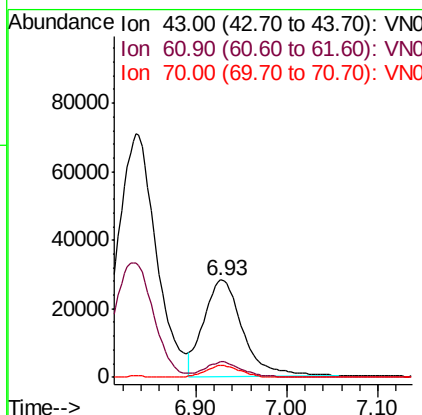
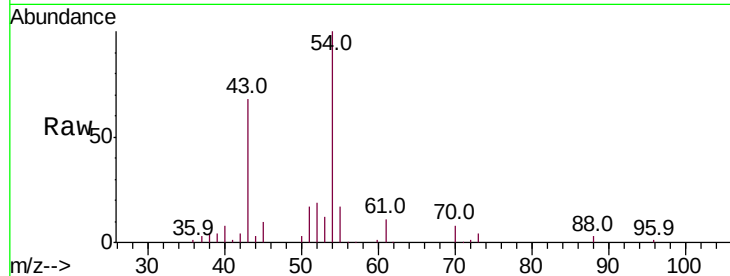
#37
Ethyl Acetate
Concen: 21.353 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

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

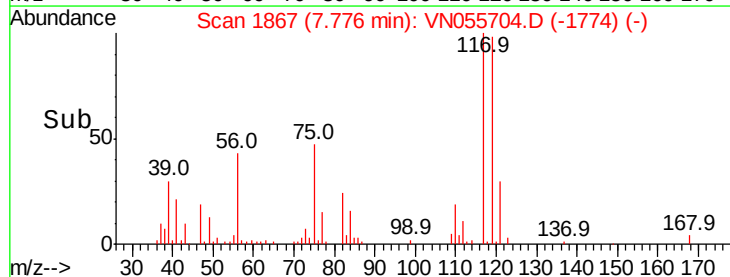
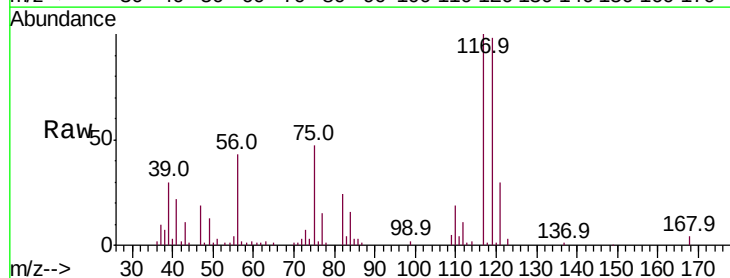
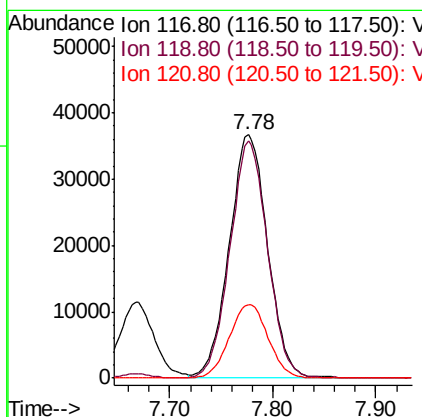
Manual Integrations
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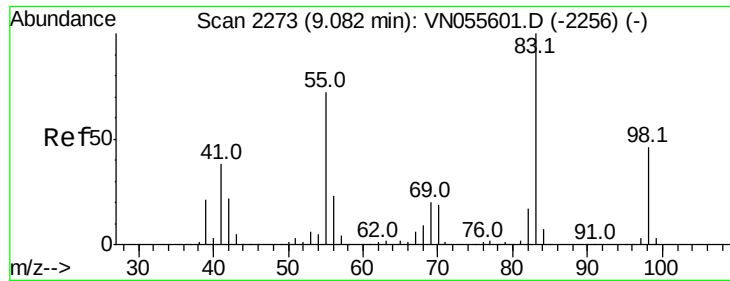
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#38
Carbon Tetrachloride
Concen: 20.733 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
121	30.1	24.6	37.0





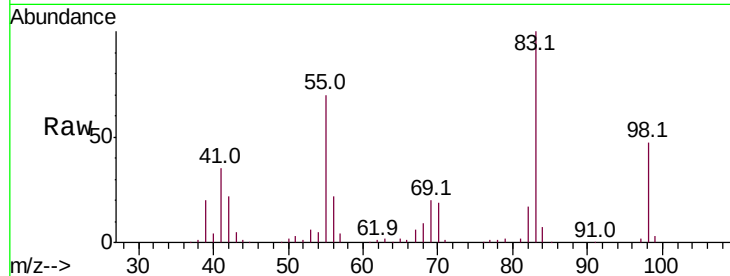
#39
Methylvlcyclohexane
Concen: 21.432 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

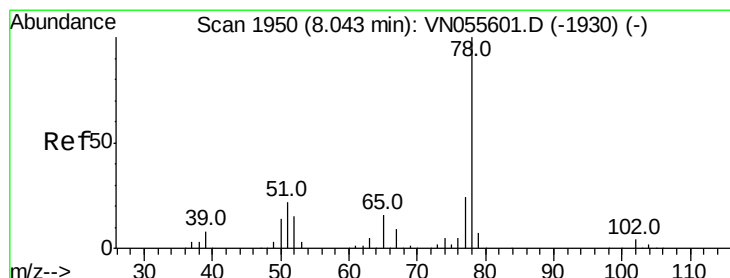
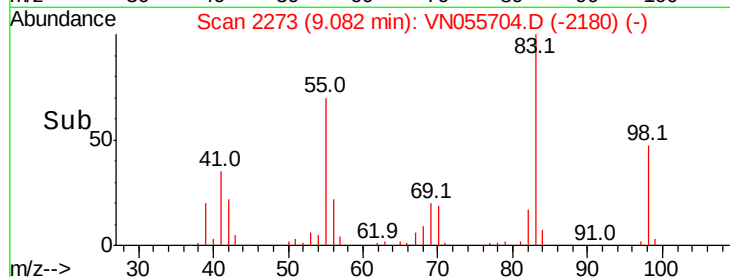
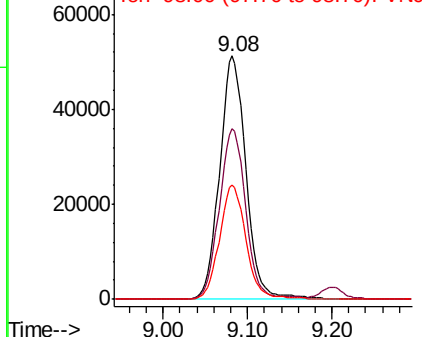
Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	57.8	86.6
98	47.0	36.7	55.1

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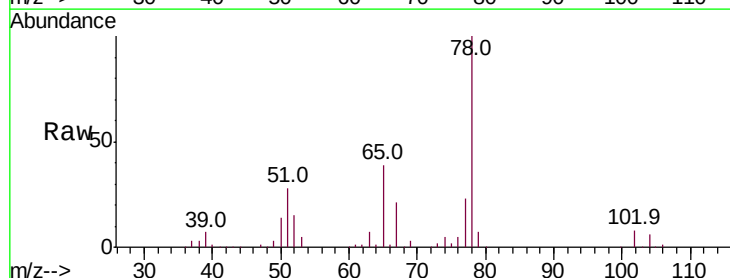


Abundance Ion 83.00 (82.70 to 83.70): VN055601.D (-2256) (-)

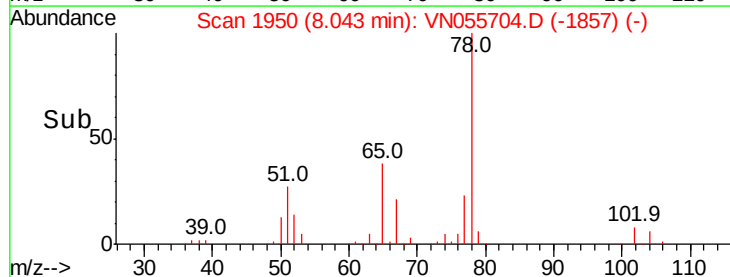
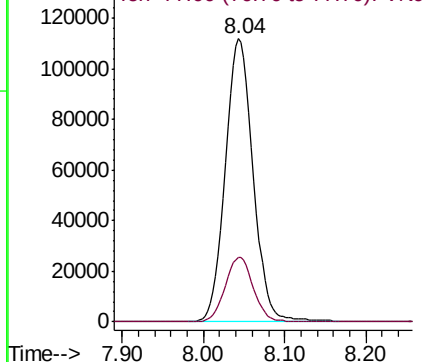


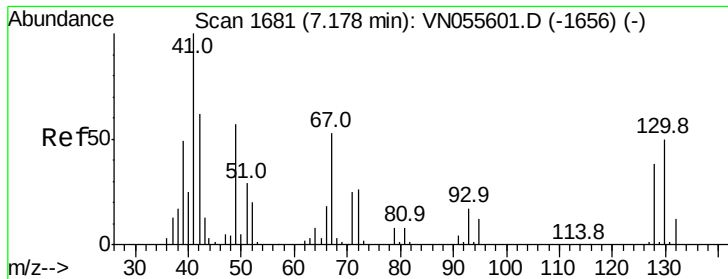
#40
Benzene
Concen: 21.287 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN055601.D (-1930) (-)





#41

Methacrylonitrile

Concen: 25.536 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 41 Resp: 42333

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

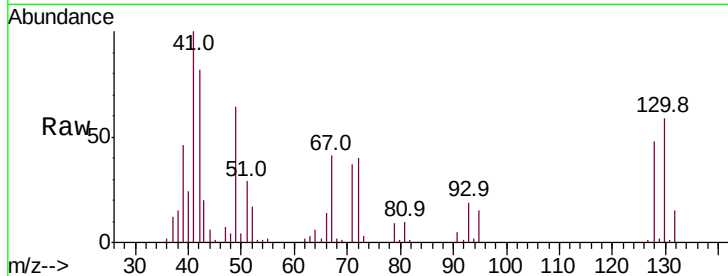
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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5/22/2019 4:11:29 PM

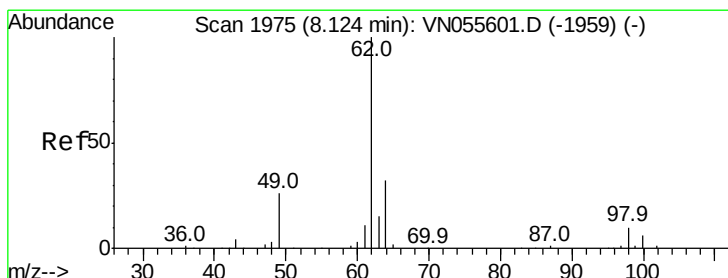
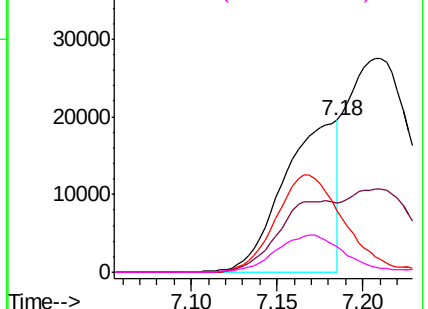
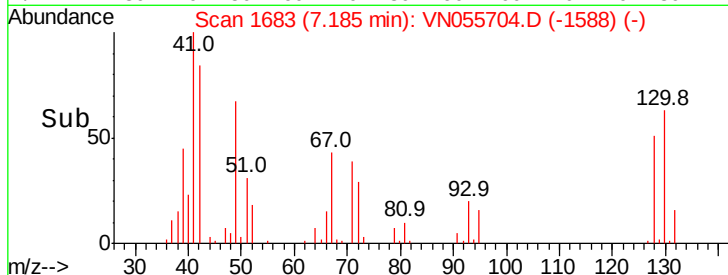


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.236 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055704.D

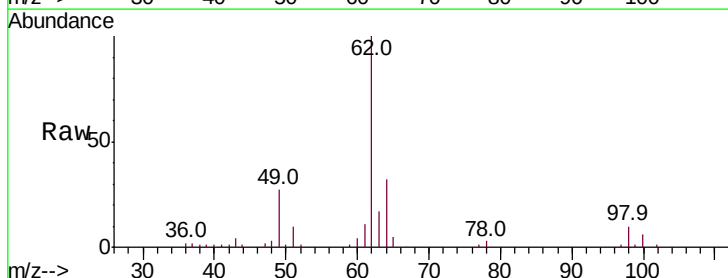
Acq: 21 May 2019 13:05

Tgt Ion: 62 Resp: 86911

Ion Ratio Lower Upper

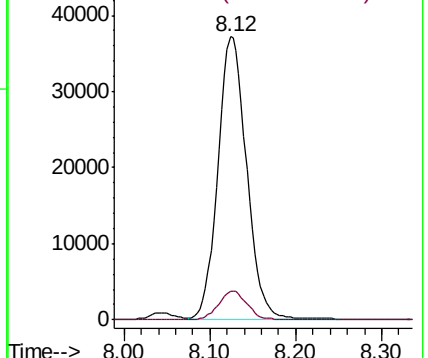
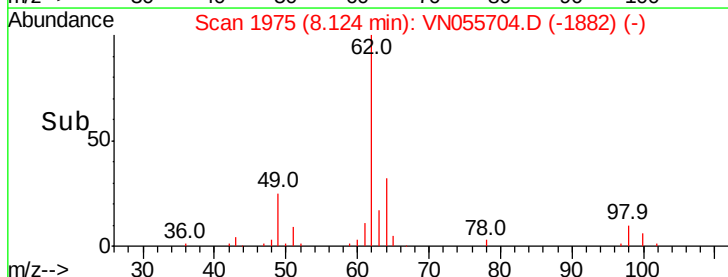
62 100

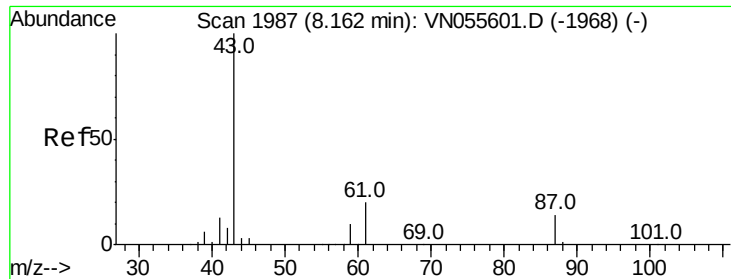
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.203 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

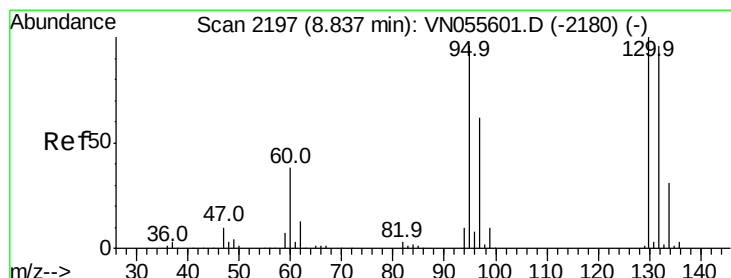
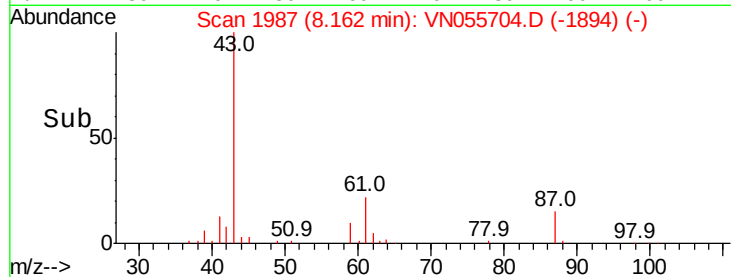
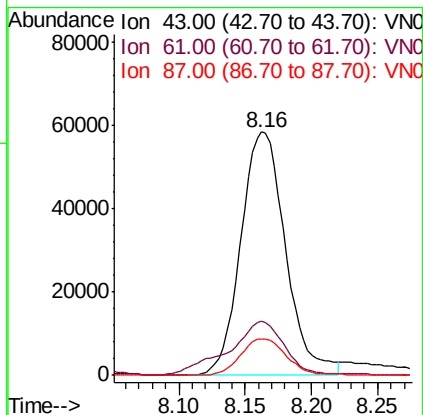
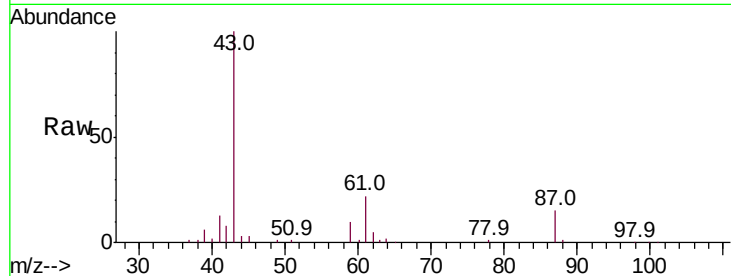
ClientSampleId :

VN0521WBS01

Tot Ion:	43	Resp:	136266
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.1	33.1
87	15.6	11.8	17.6

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#44

Trichloroethene

Concen: 22.122 ug/l

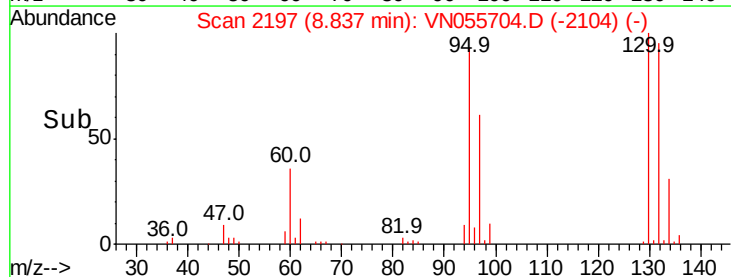
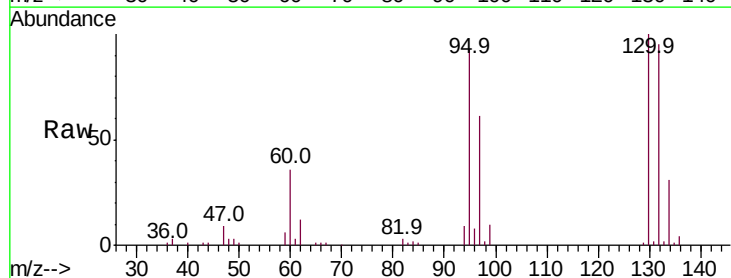
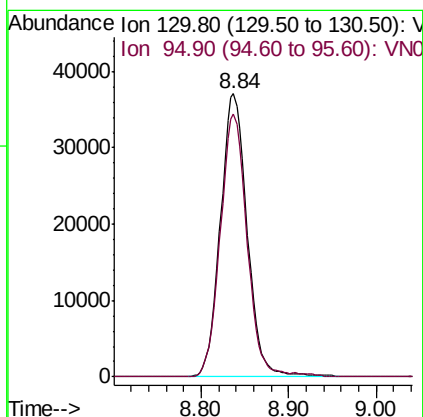
RT: 8.84 min Scan# 2197

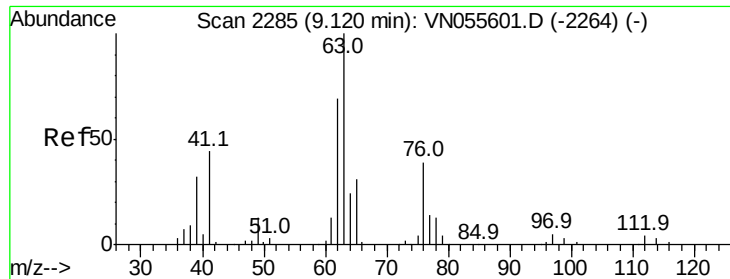
Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	130	Resp:	78893
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	191.0





#45

1,2-Dichloropropane

Concen: 20.920 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 63 Resp: 69653

Ion Ratio Lower Upper

63 100

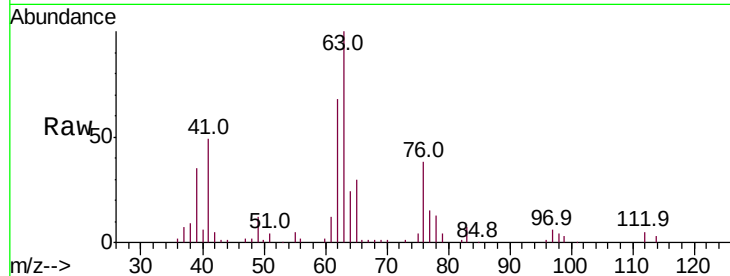
65 29.5 25.2 37.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

30000

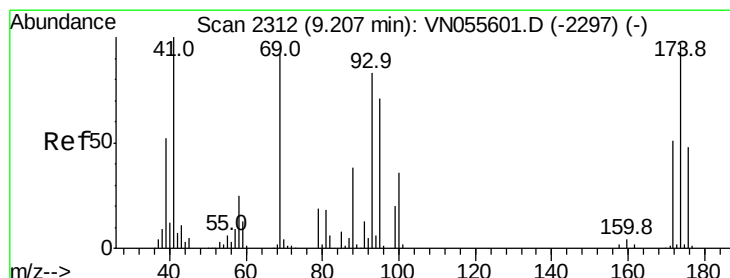
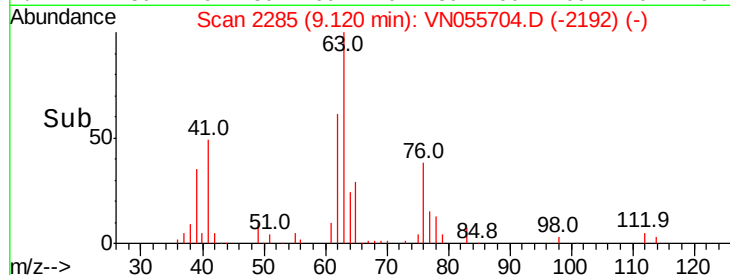
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 21.303 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

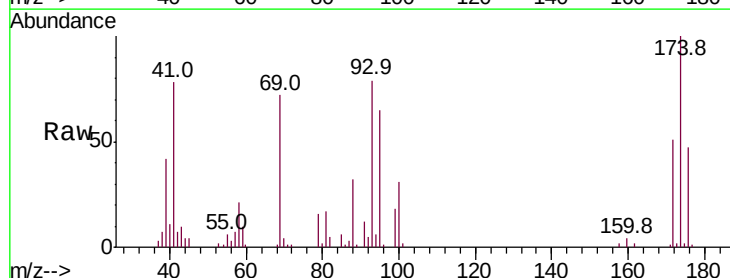
Tgt Ion: 93 Resp: 46424

Ion Ratio Lower Upper

93 100

95 83.5 67.9 101.9

174 125.9 93.8 140.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

30000

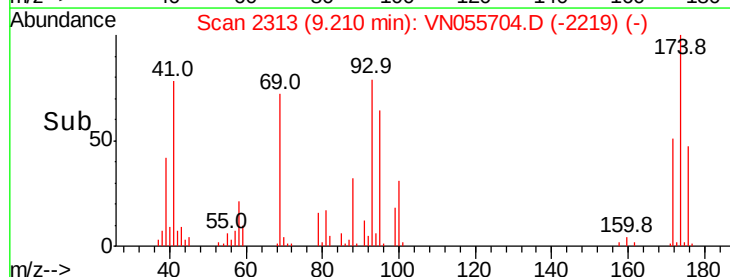
20000

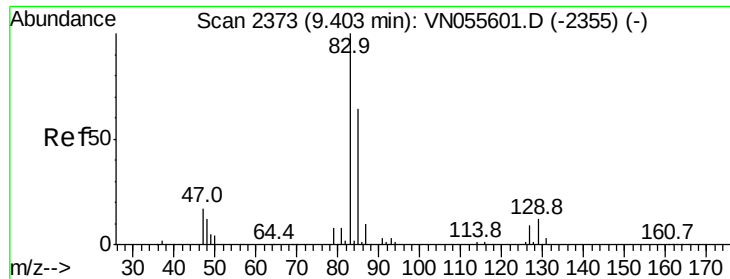
10000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 20.696 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

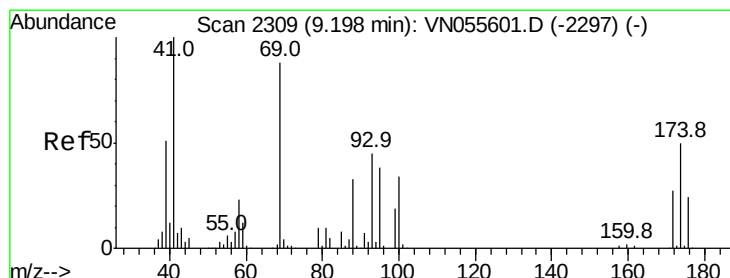
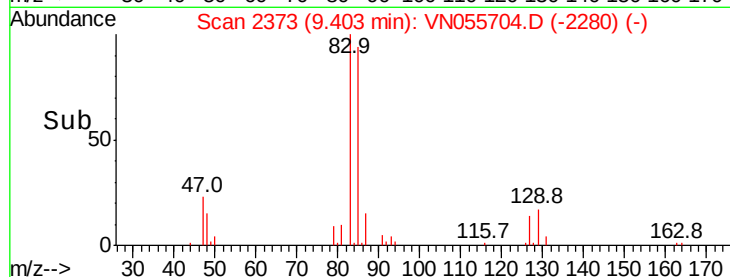
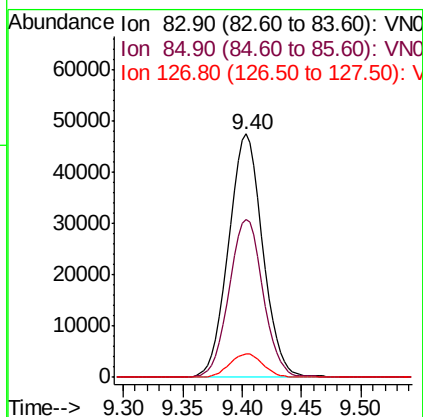
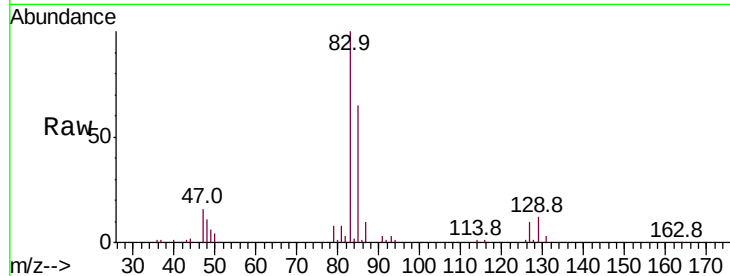
ClientSampleId :

VN0521WBS01

Tot Ion:	83	Resp:	94526
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	9.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.751 ug/l

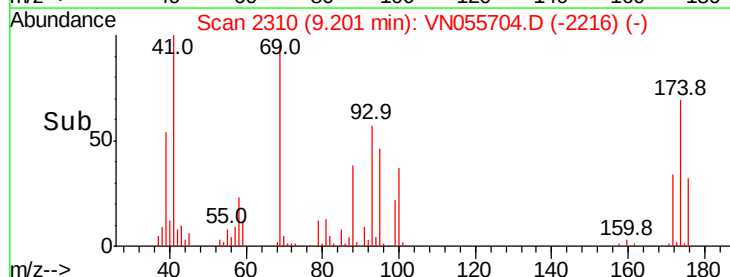
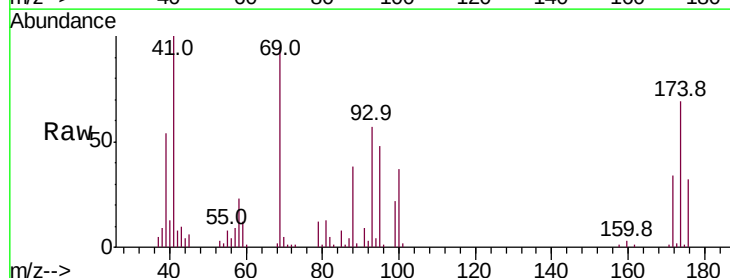
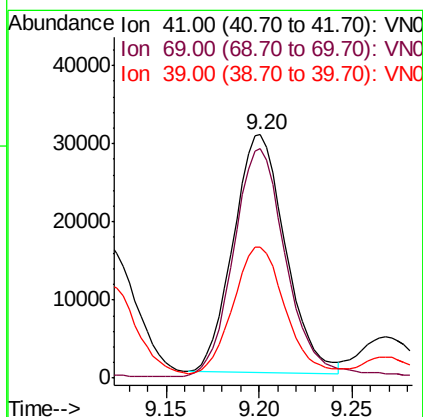
RT: 9.20 min Scan# 2310

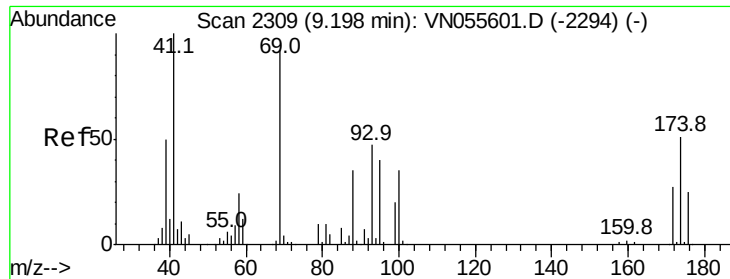
Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	41	Resp:	59546
Ion	Ratio	Lower	Upper
41	100		
69	99.6	74.2	111.2
39	56.2	43.8	65.8





#49

1,4-Dioxane

Concen: 465.268 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 88 Resp: 27872

Ion Ratio Lower Upper

88 100

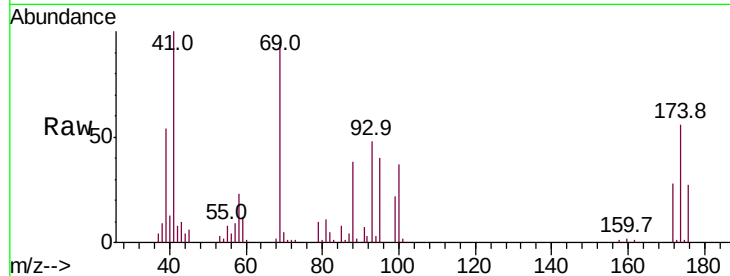
43 24.9 22.4 33.6

58 62.2 53.4 80.2

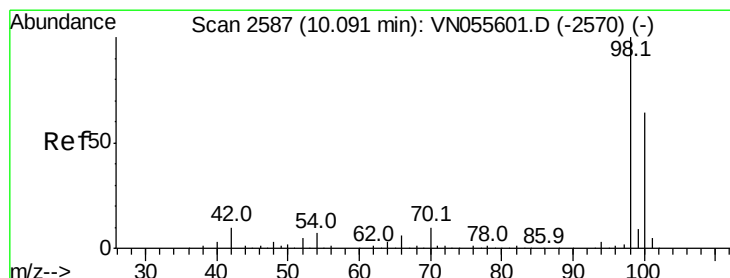
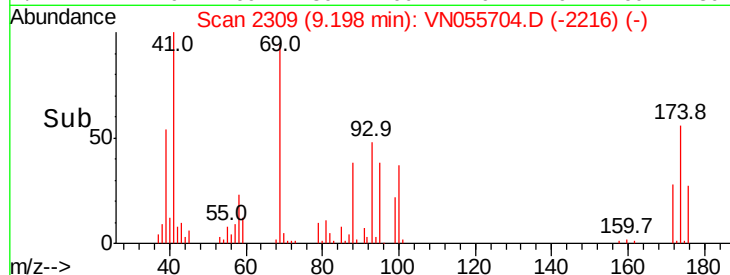
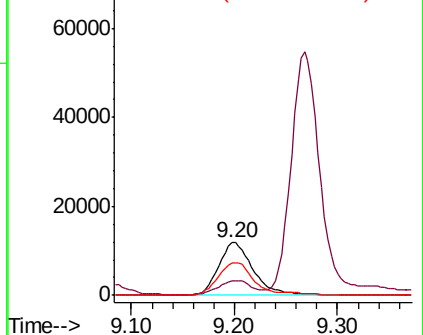
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Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.127 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055704.D

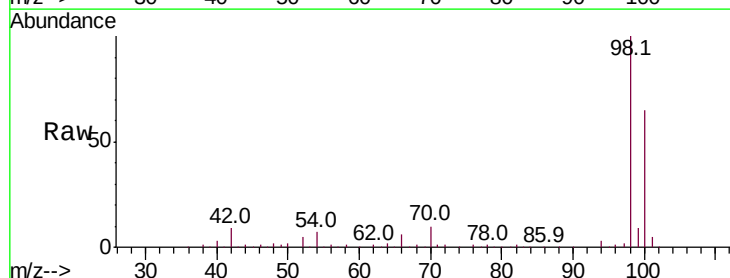
Acq: 21 May 2019 13:05

Tgt Ion: 98 Resp: 568719

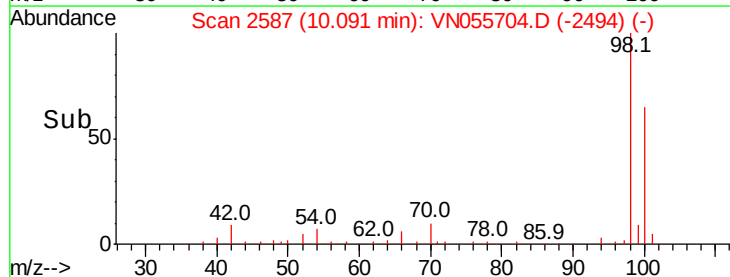
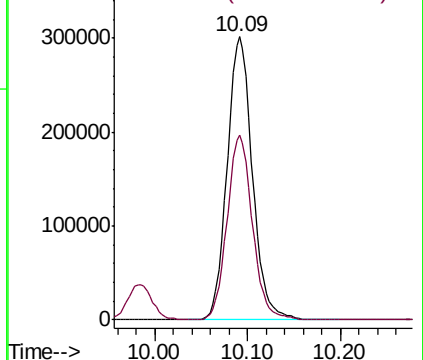
Ion Ratio Lower Upper

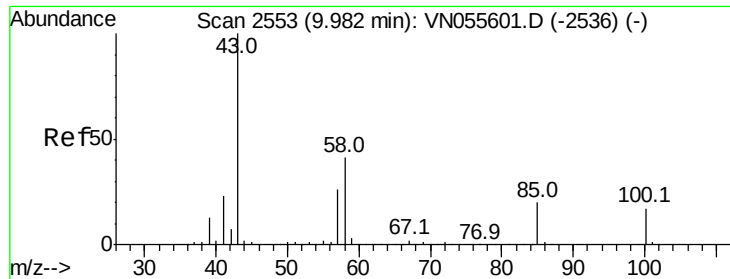
98 100

100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.340 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 43 Resp: 400945

Ion Ratio Lower Upper

43 100

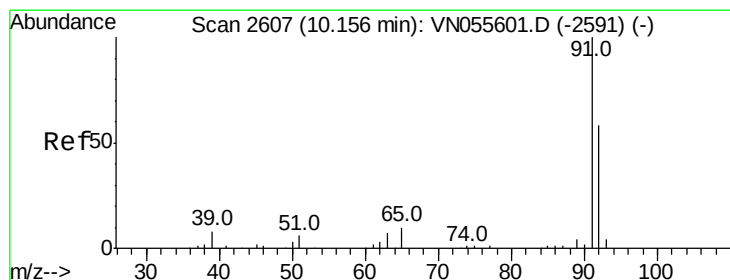
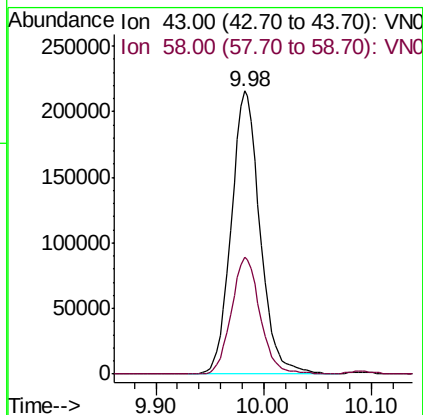
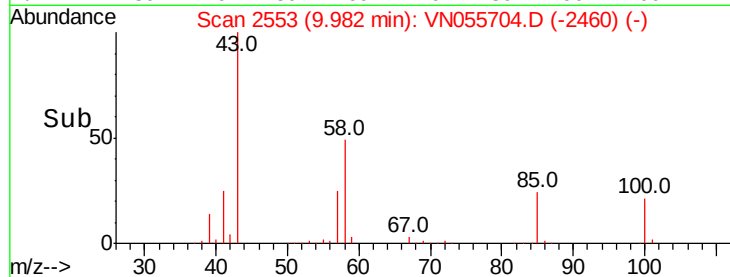
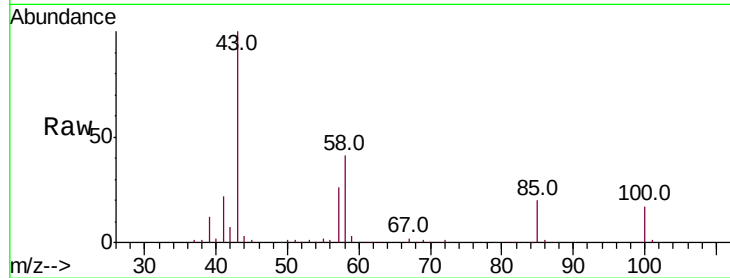
58 41.3 32.7 49.1

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#52

Toluene

Concen: 21.258 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055704.D

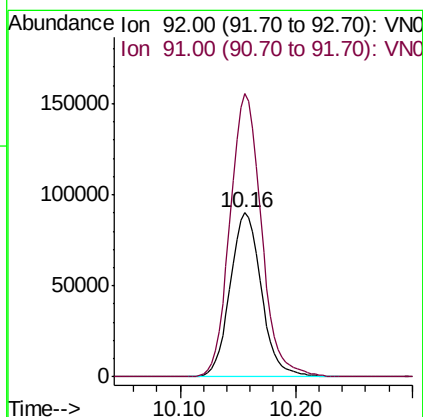
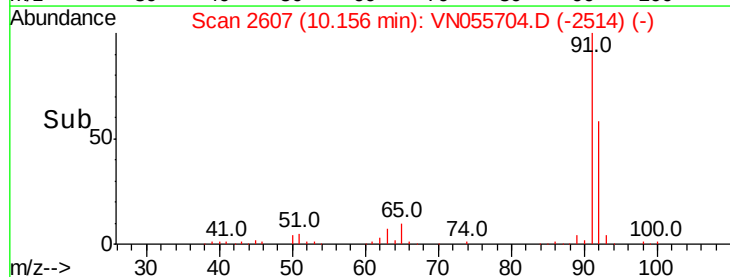
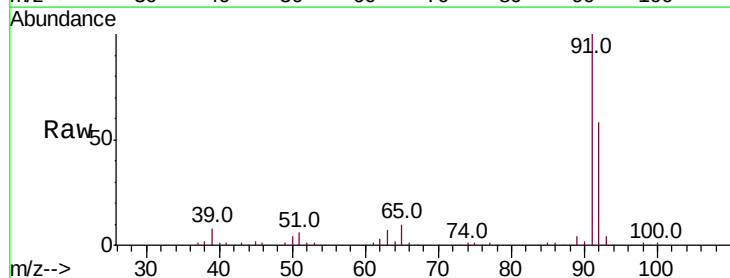
Acq: 21 May 2019 13:05

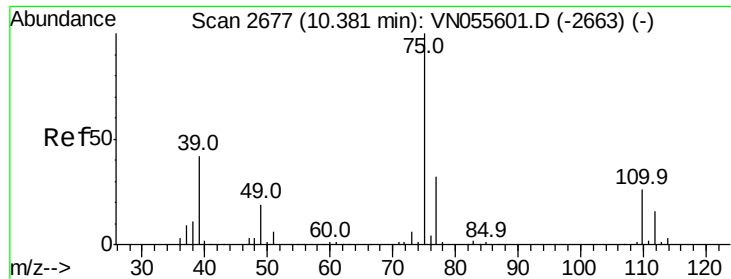
Tgt Ion: 92 Resp: 168517

Ion Ratio Lower Upper

92 100

91 173.4 138.9 208.3





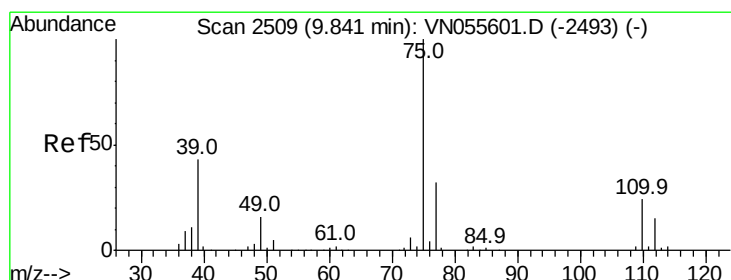
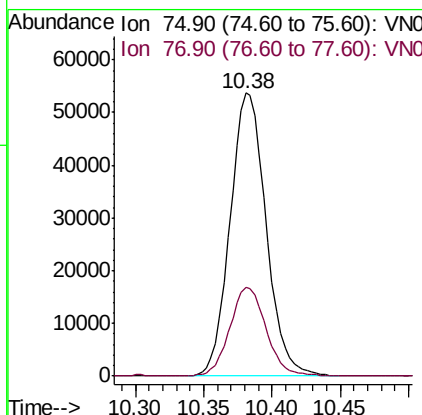
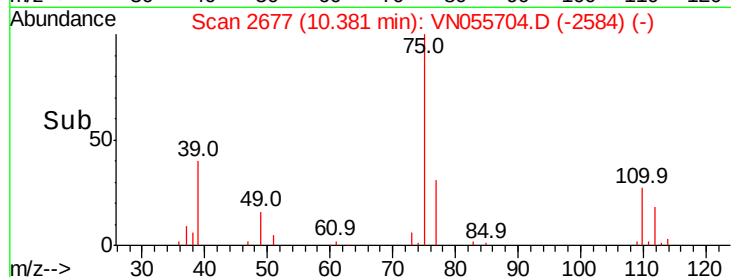
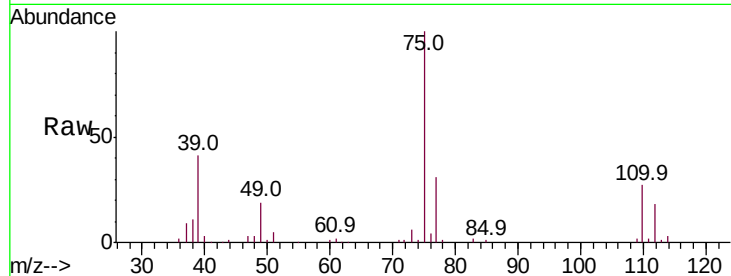
#53
t-1,3-Dichloropropene
Concen: 20.020 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion: 75 Resp: 98413
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

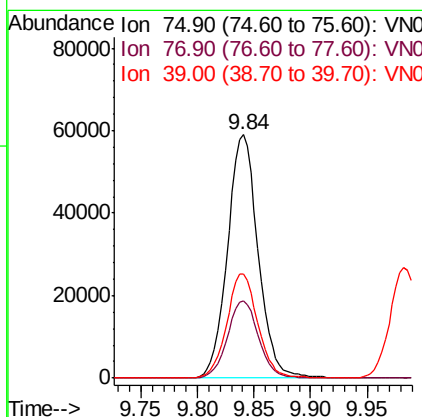
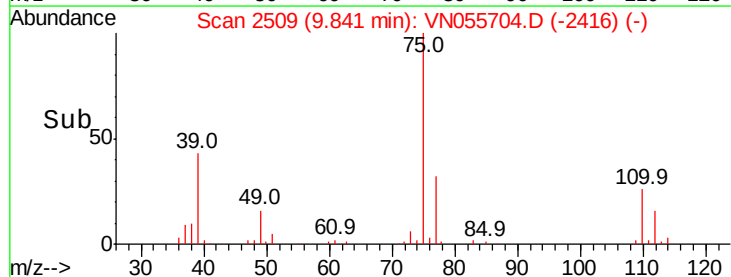
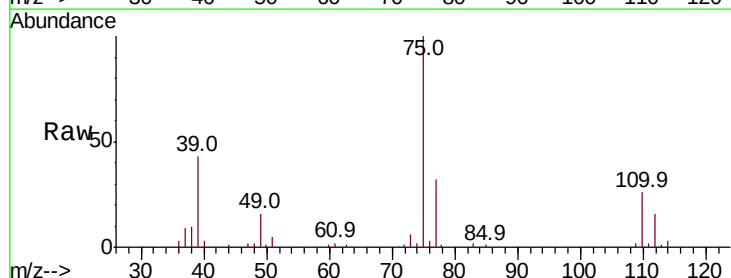
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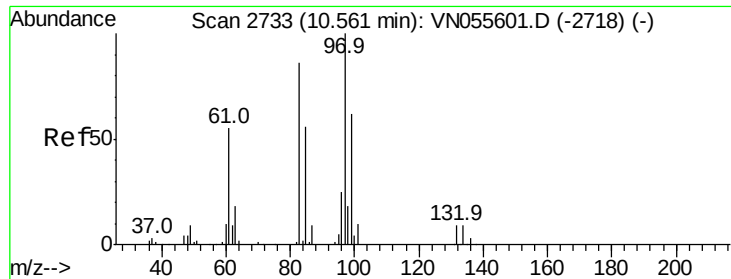
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#54
cis-1,3-Dichloropropene
Concen: 20.620 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 75 Resp: 111041
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 42.9 34.7 52.1





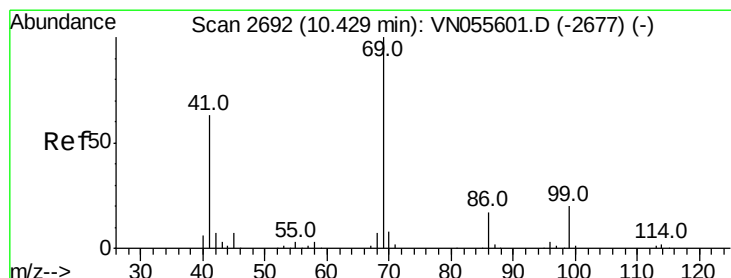
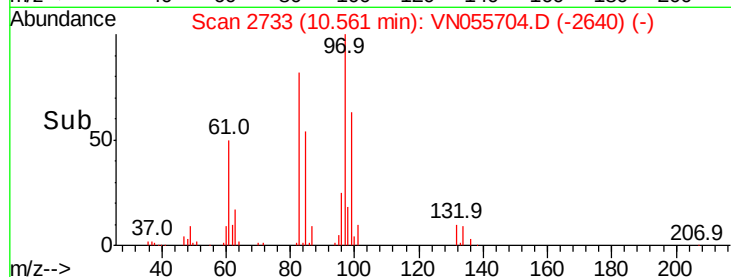
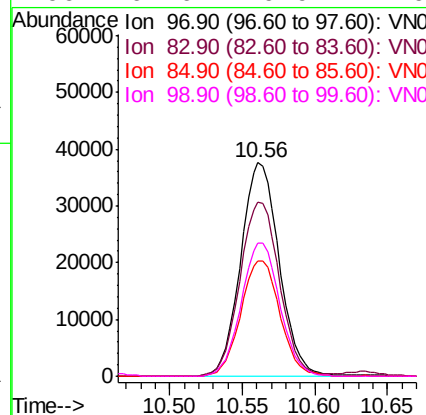
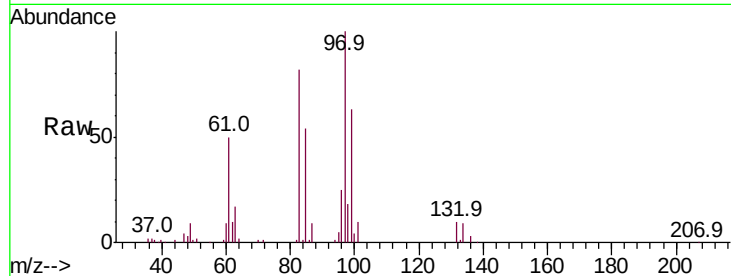
#55
 1,1,2-Trichloroethane
 Concen: 21.332 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	97	Resp	69617
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.4	102.6
85	54.1	44.8	67.2
99	62.6	49.9	74.9

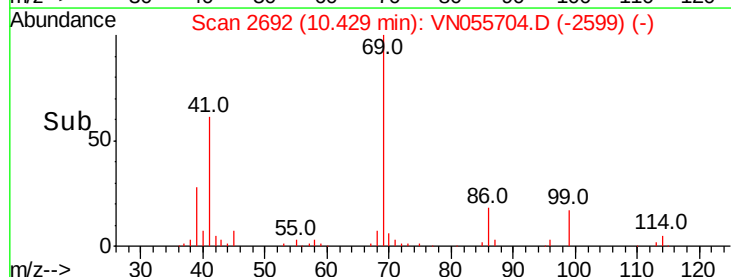
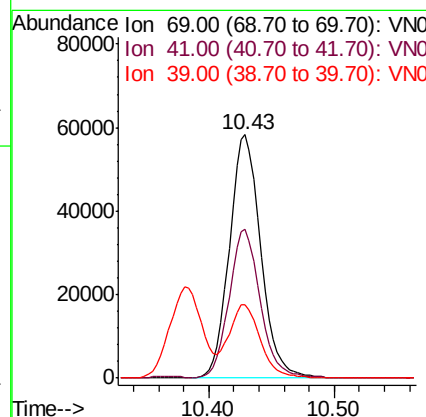
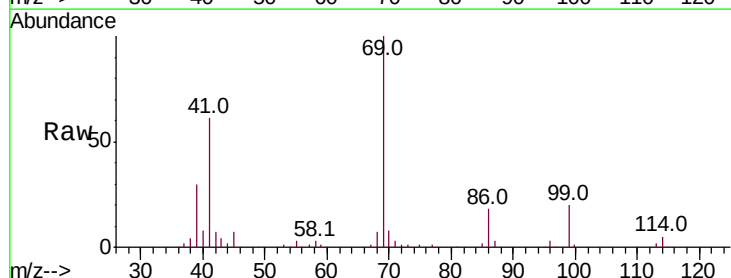
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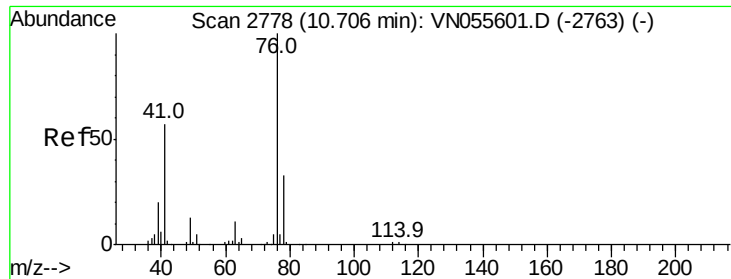
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 5/22/2019 4:11:29 PM



#56
 Ethyl methacrylate
 Concen: 19.848 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	69	Resp	101113
Ion	Ratio	Lower	Upper
69	100		
41	59.9	50.3	75.5
39	30.4	25.4	38.2





#57

1,3-Dichloropropane

Concen: 21.041 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 76 Resp: 108758

Ion Ratio Lower Upper

76 100

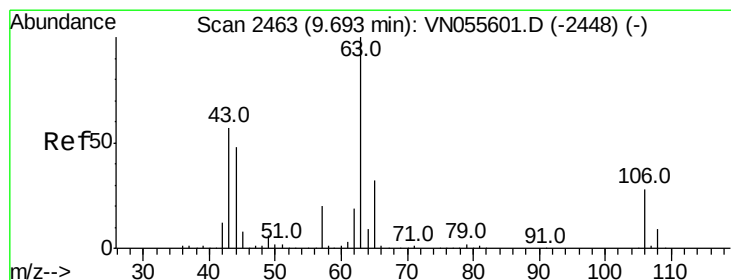
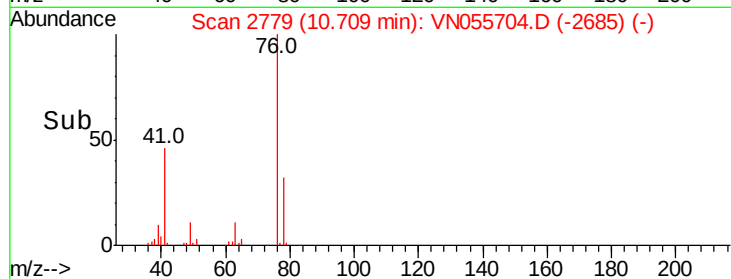
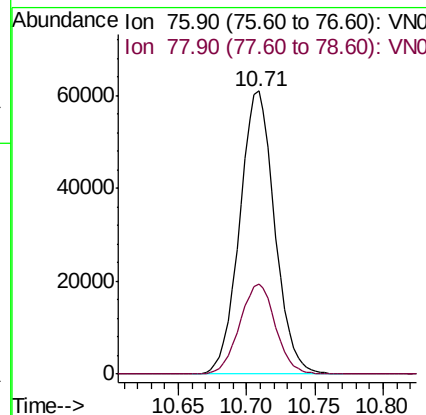
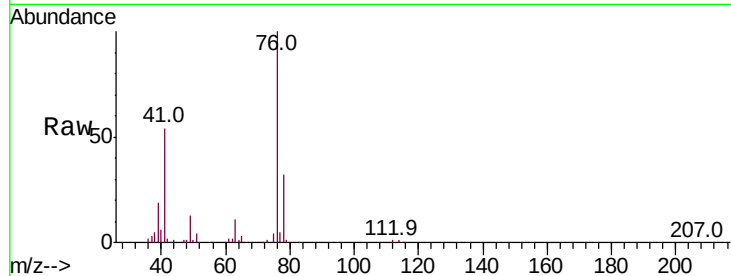
78 32.4 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 79.979 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055704.D

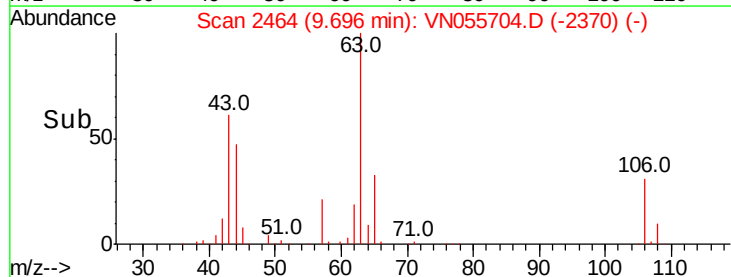
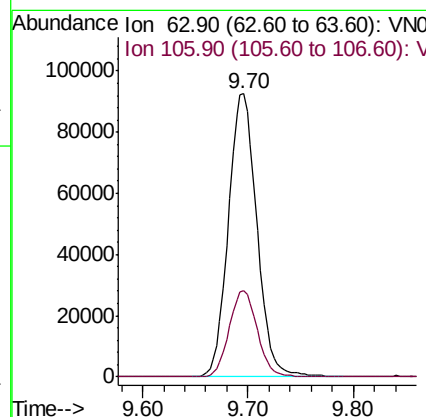
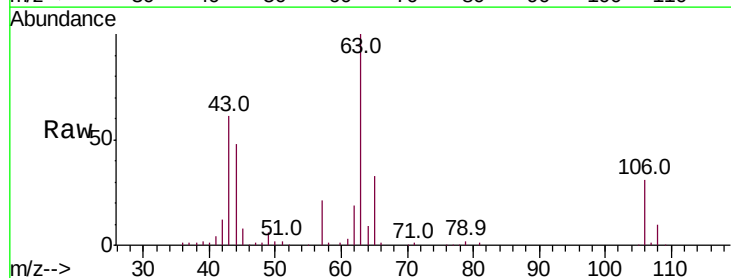
Acq: 21 May 2019 13:05

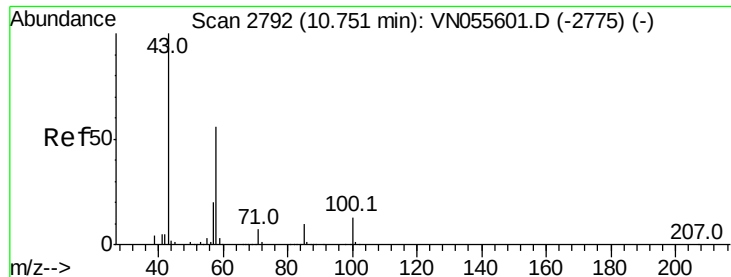
Tgt Ion: 63 Resp: 173125

Ion Ratio Lower Upper

63 100

106 30.1 23.0 34.6





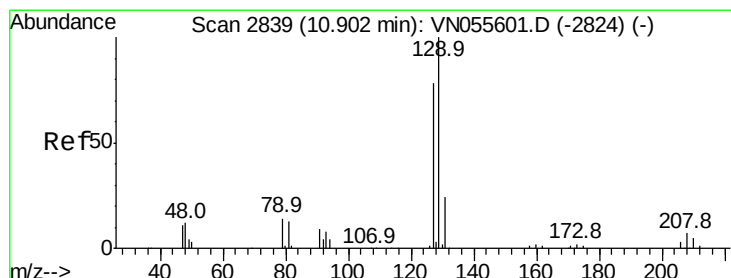
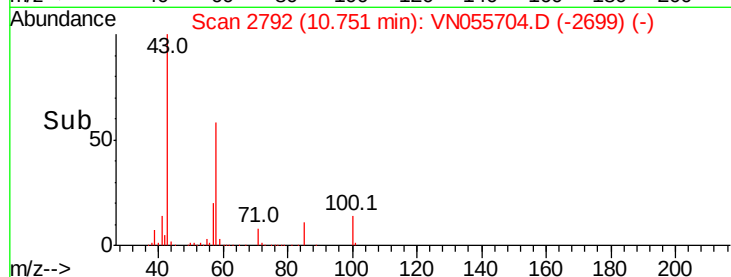
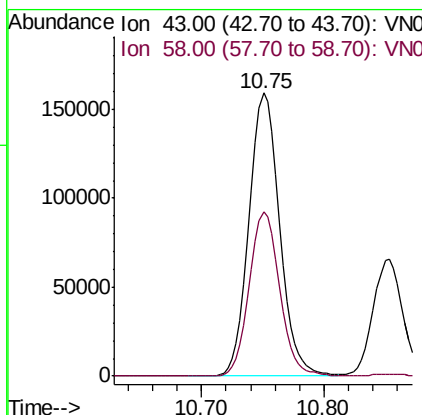
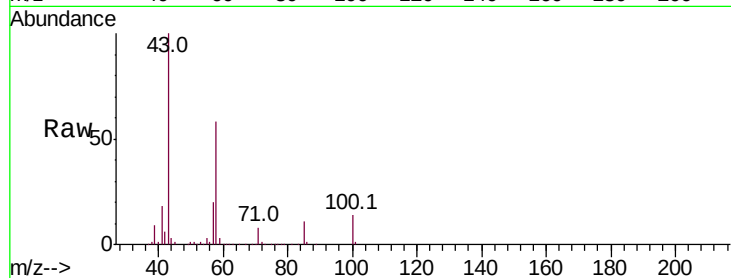
#59
2-Hexanone
Concen: 98.940 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	28.1	84.4

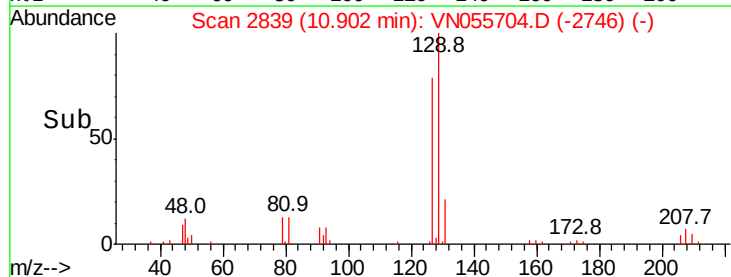
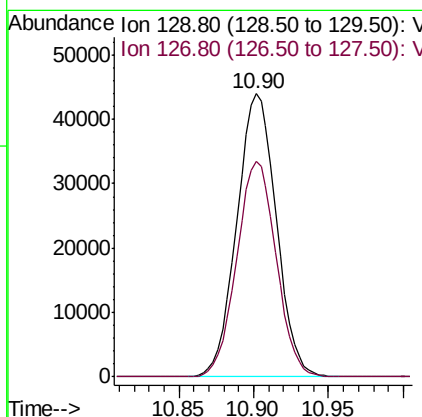
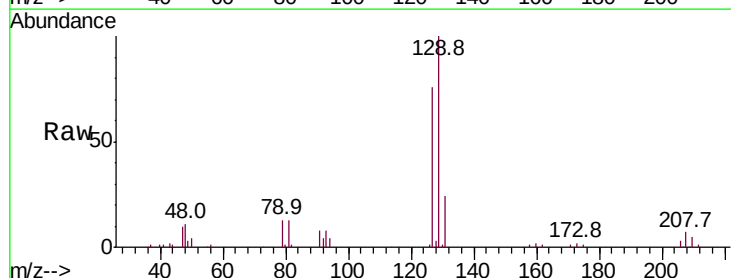
Manual Integrations
APPROVED

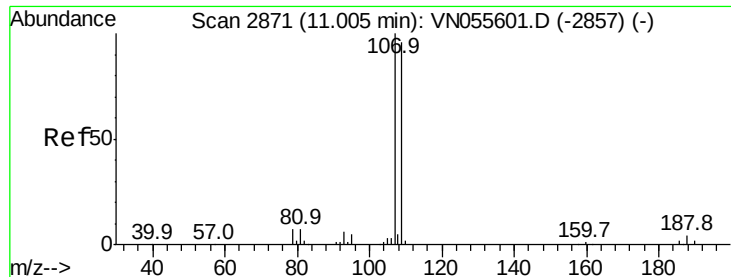
MMDadoda
5/22/2019 4:11:29 PM



#60
Dibromochloromethane
Concen: 21.821 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.8





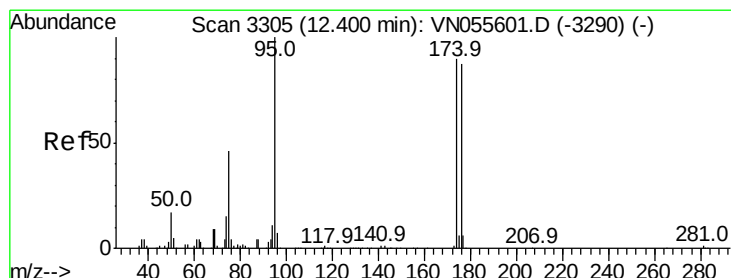
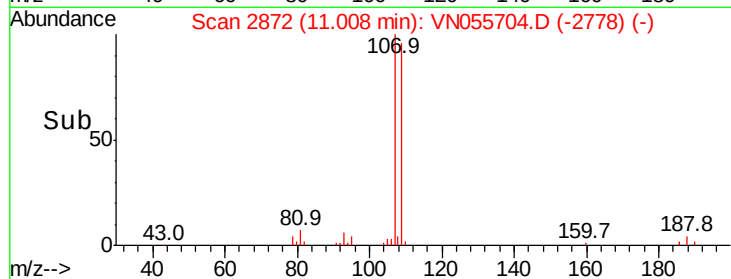
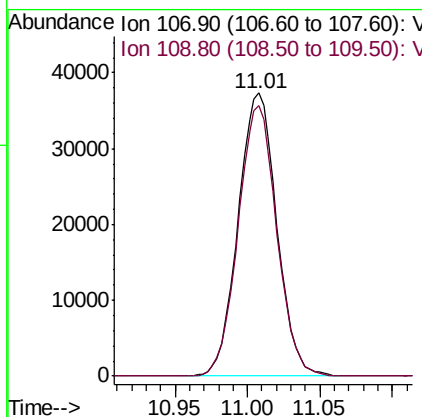
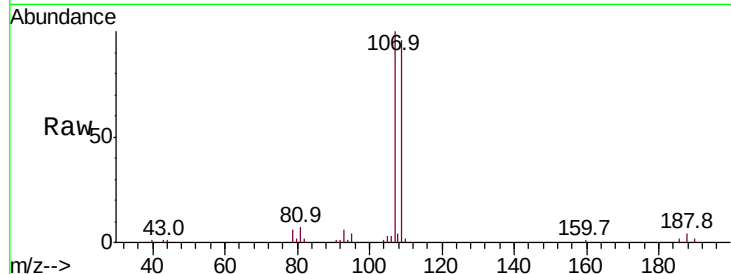
#61
 1,2-Dibromoethane
 Concen: 21.142 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.6	113.4

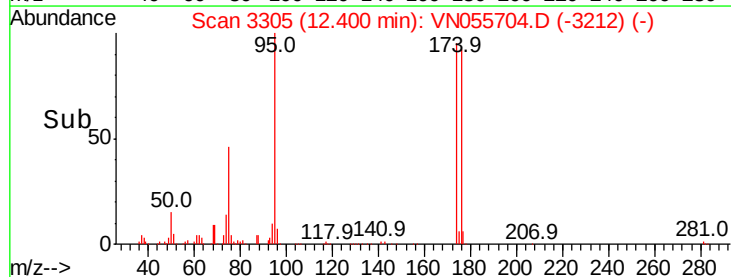
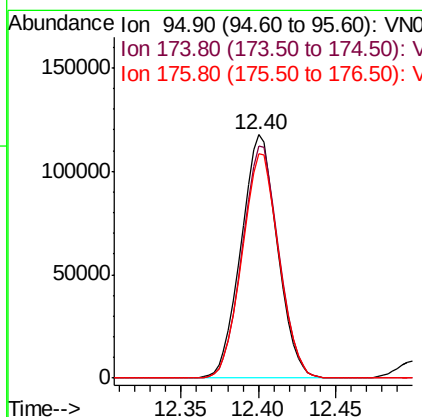
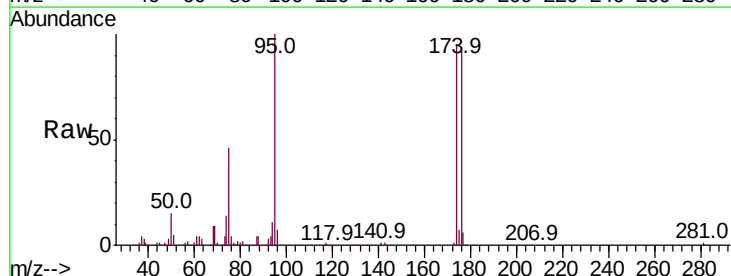
Manual Integrations
 APPROVED

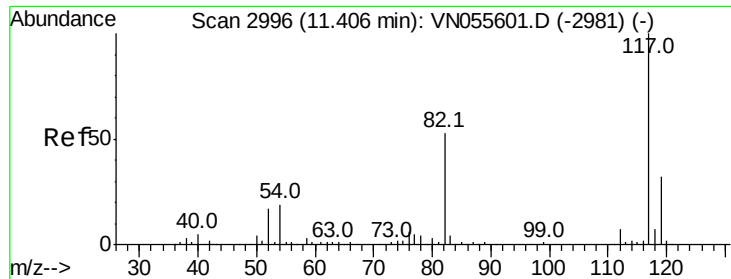
MMDadoda
 5/22/2019 4:11:29 PM



#62
 4-Bromofluorobenzene
 Concen: 48.142 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	180.6
176	93.6	0.0	177.4





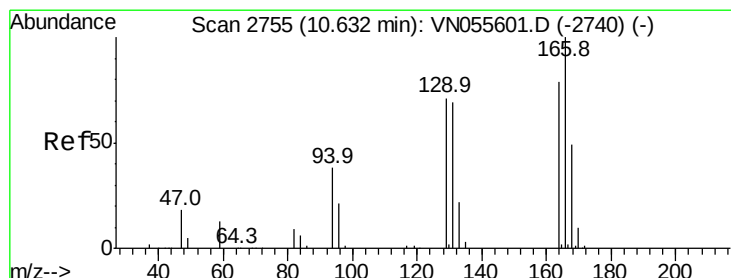
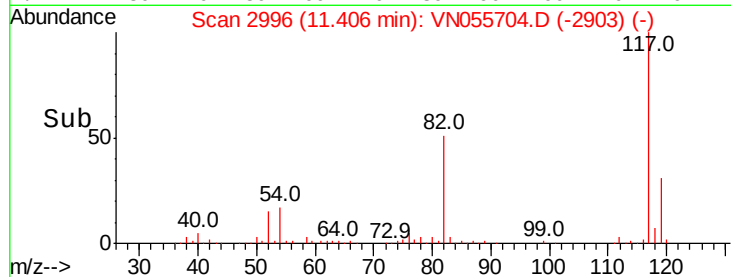
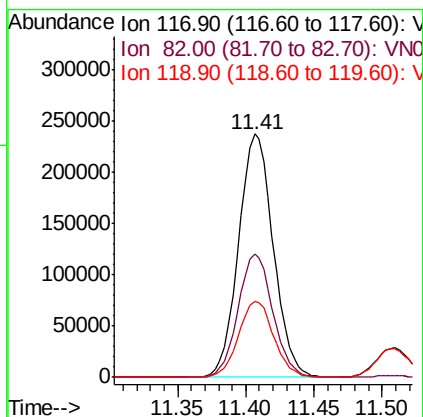
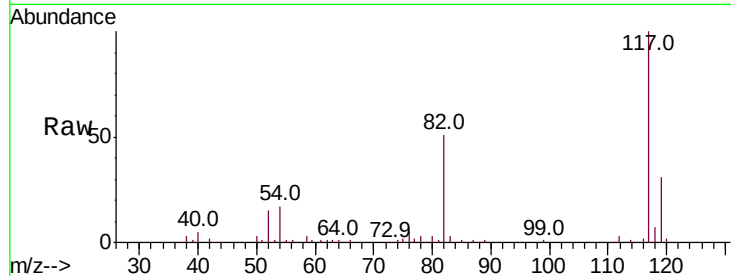
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.3	63.5
119	31.4	25.4	38.2

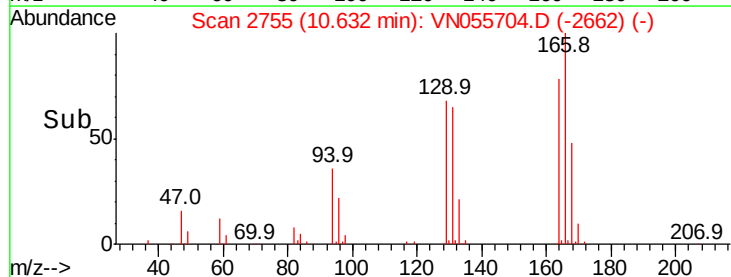
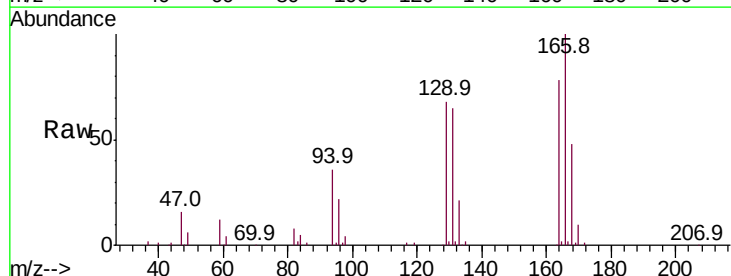
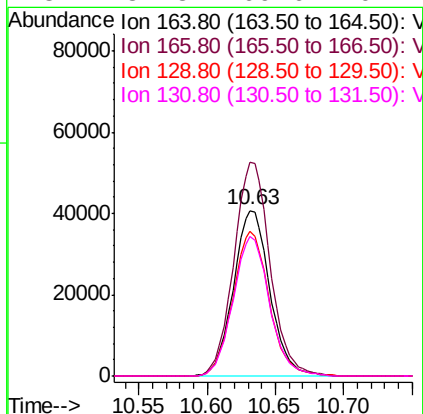
Manual Integrations
APPROVED

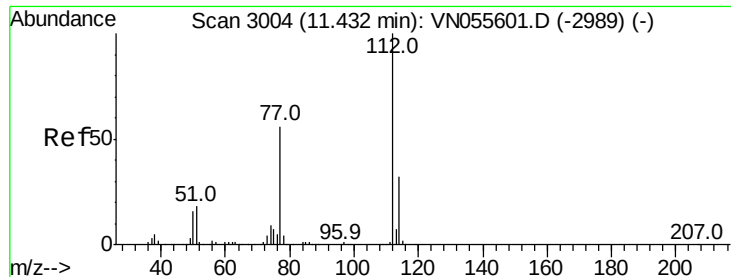
MMDadoda
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#64
Tetrachloroethene
Concen: 22.752 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.0	151.6
129	87.2	71.7	107.5
131	84.3	69.6	104.4





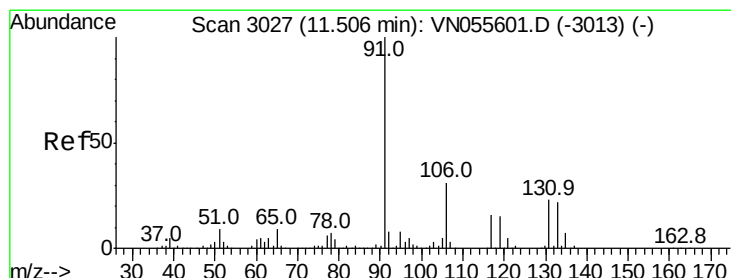
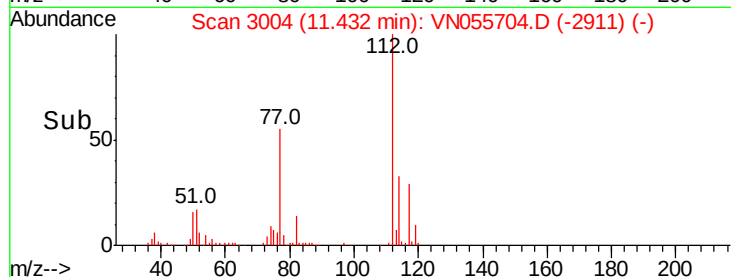
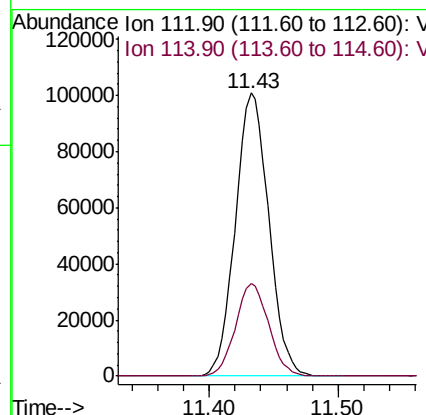
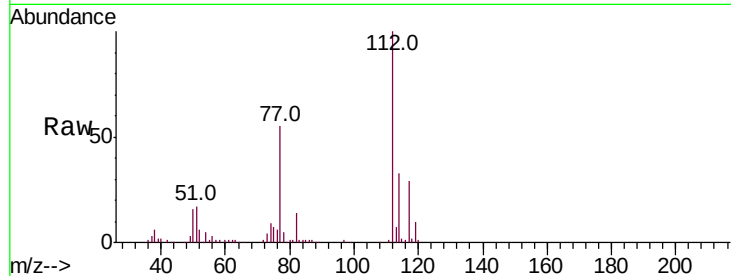
#65
Chlorobenzene
Concen: 21.415 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	181661		
114	32.7	25.6	38.4	

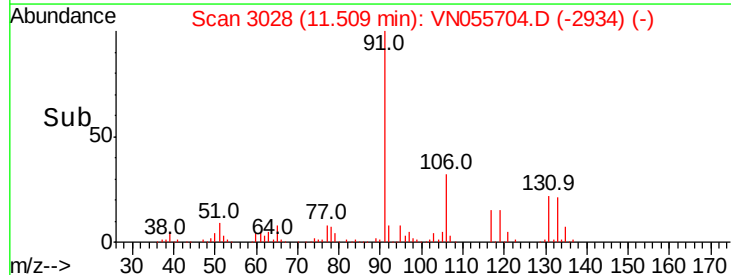
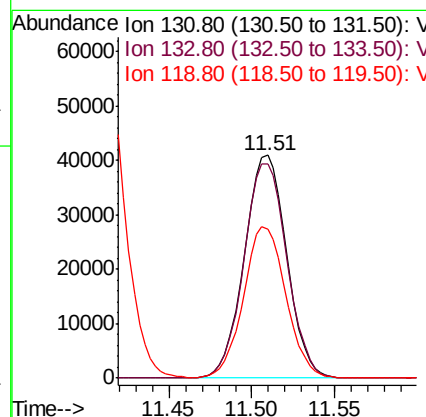
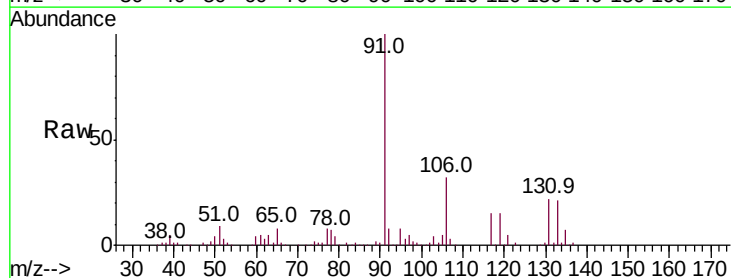
Manual Integrations
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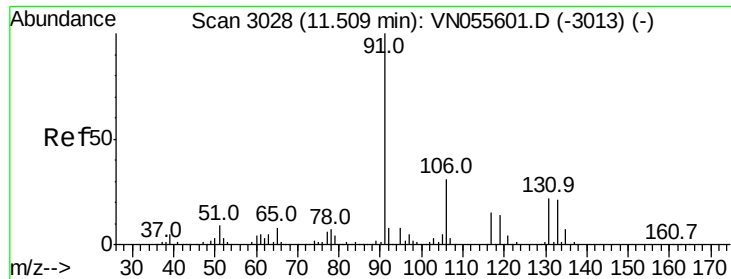
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	72851		
133	98.0	47.8	143.4	
119	68.0	33.3	99.8	





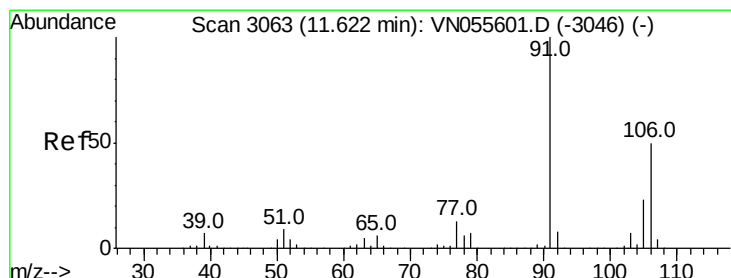
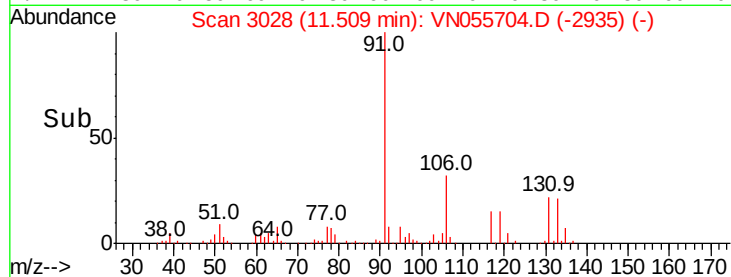
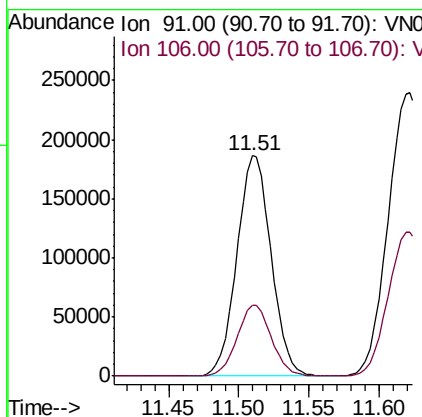
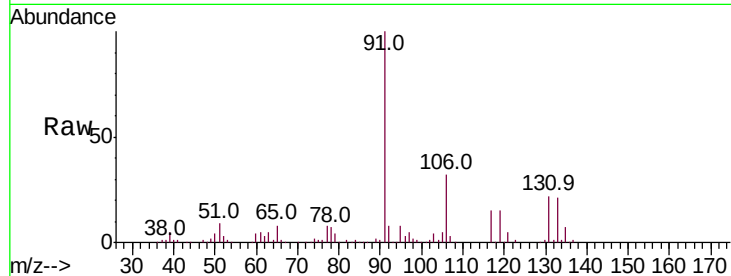
#67
Ethyl Benzene
Concen: 21.009 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :
VN0521WBS01

Tot Ion: 91 Resp: 317484
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

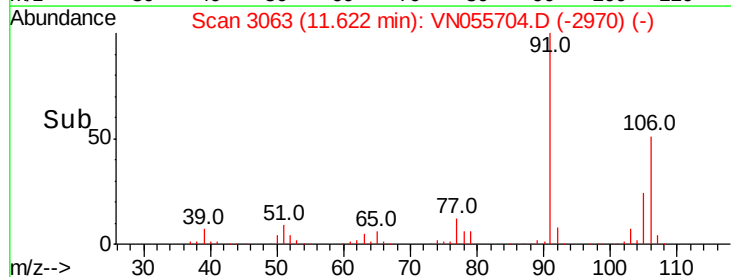
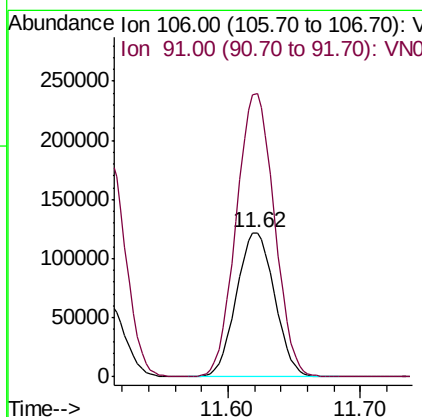
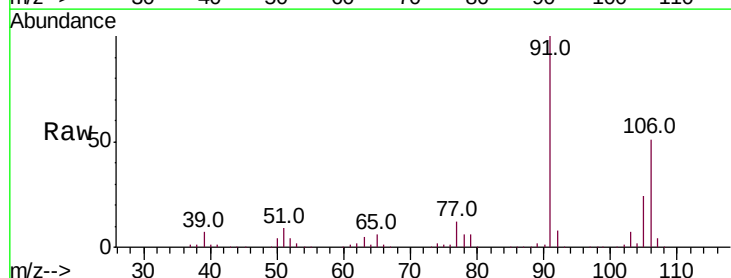
Manual Integrations
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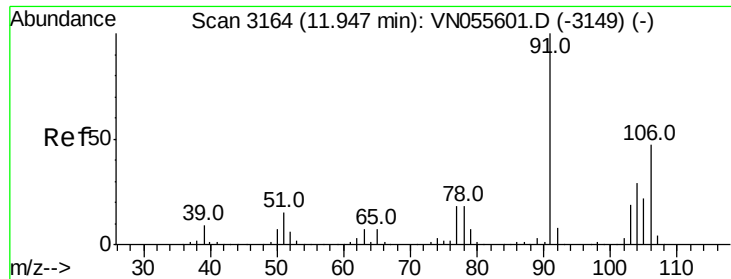
MMDadoda
5/22/2019 4:11:29 PM



#68
m/p-Xylenes
Concen: 42.862 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 106 Resp: 244600
Ion Ratio Lower Upper
106 100
91 195.6 160.5 240.7





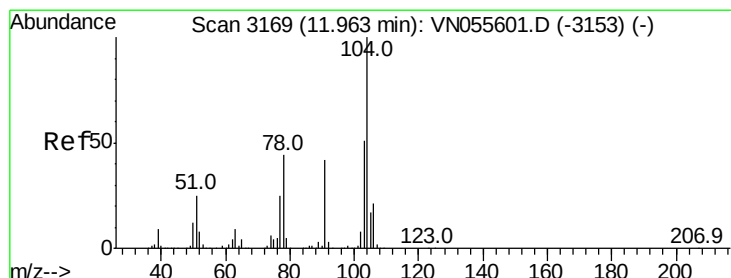
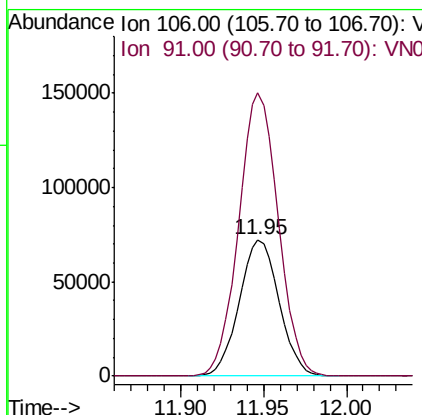
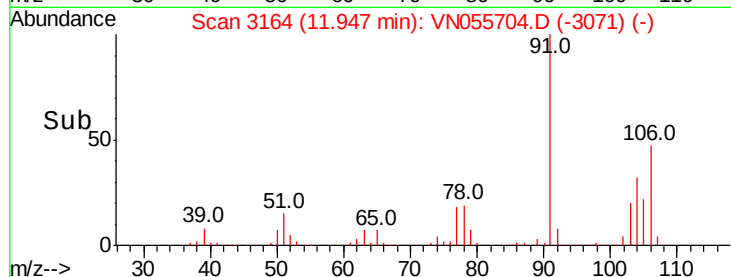
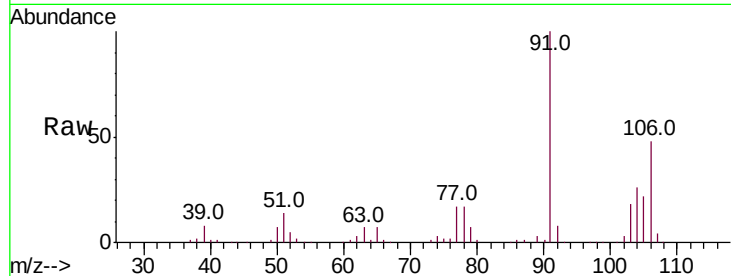
#69
o-Xylene
Concen: 21.629 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion:106 Resp: 120725
Ion Ratio Lower Upper
106 100
91 206.3 106.7 320.2

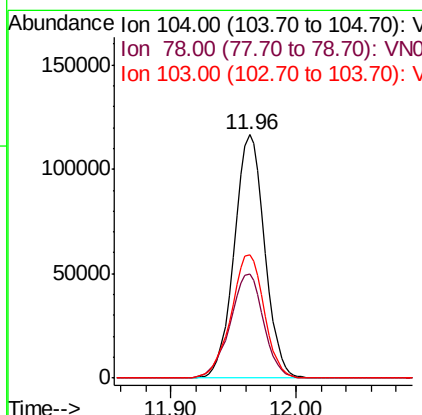
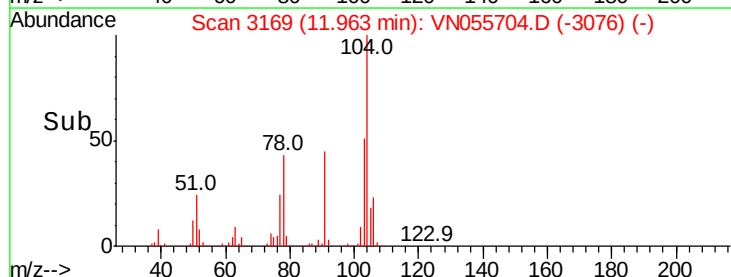
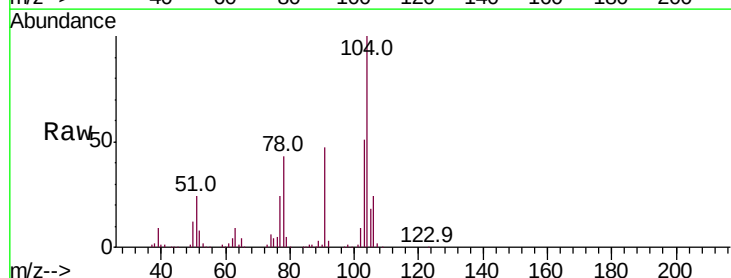
Manual Integrations
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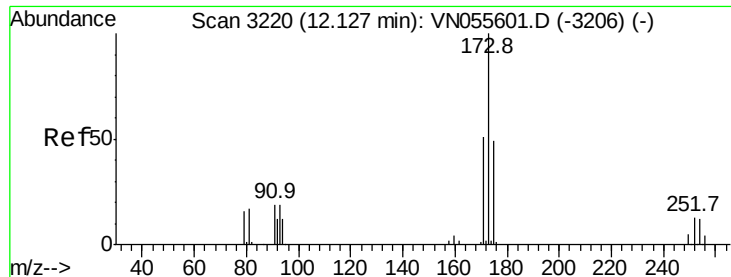
MMDadoda
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#70
Styrene
Concen: 21.145 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:104 Resp: 196240
Ion Ratio Lower Upper
104 100
78 47.0 38.6 58.0
103 55.1 44.4 66.6





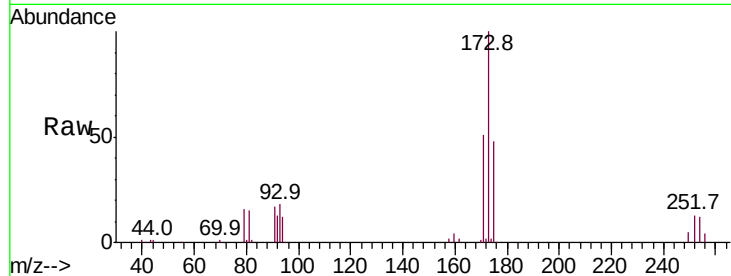
#71
Bromoform
Concen: 21.540 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.0	0.1	0.1#

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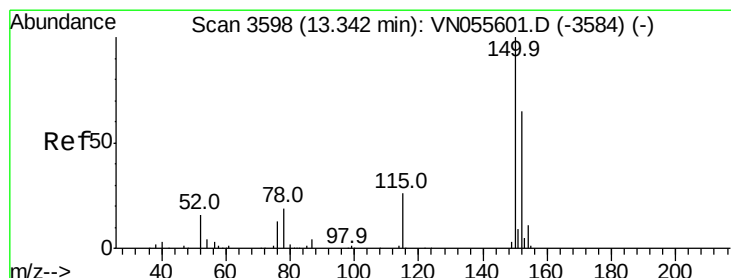
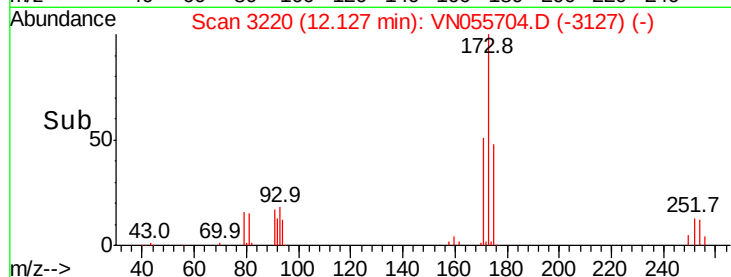
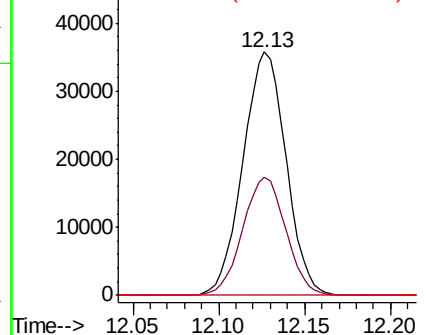


Abundance

Ion 172.70 (172.40 to 173.40): V

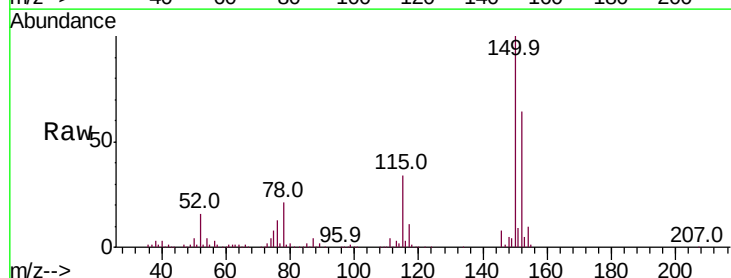
Ion 174.70 (174.40 to 175.40): V

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: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	28.1	84.2
150	164.0	0.0	348.0

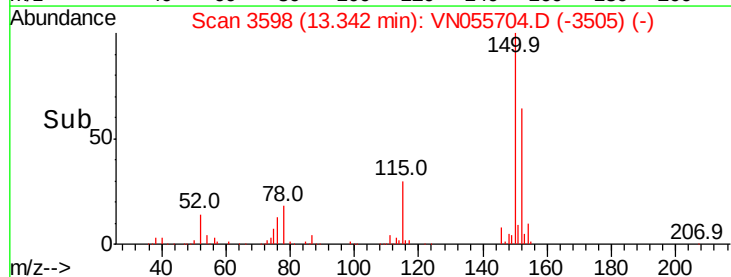
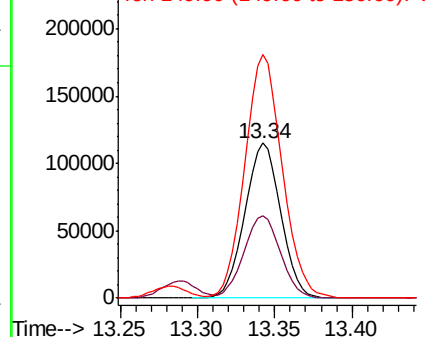


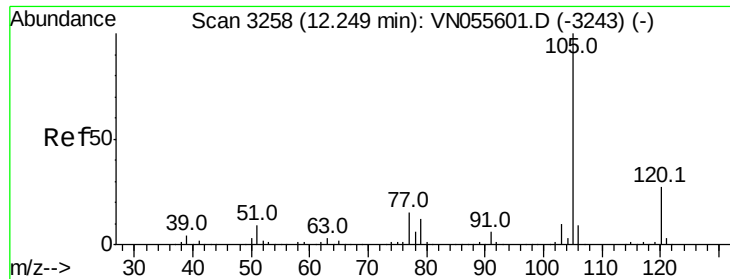
Abundance

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: 23.423 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion:105 Resp: 321815

Ion Ratio Lower Upper

105 100

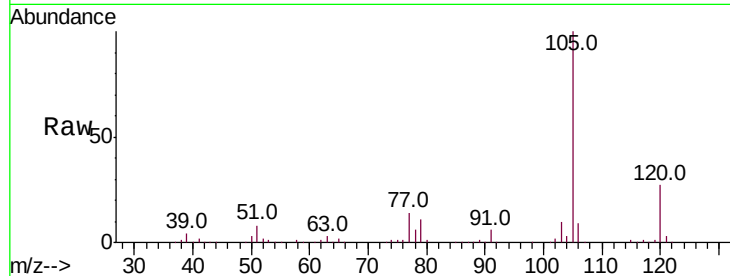
120 27.3 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

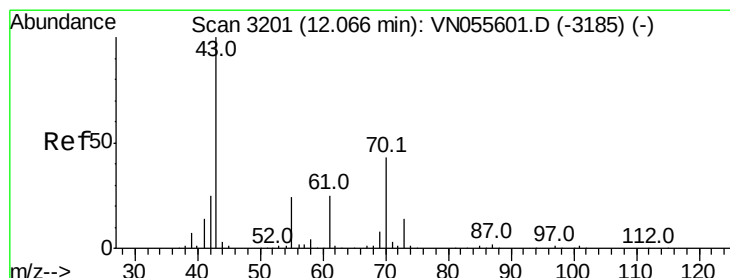
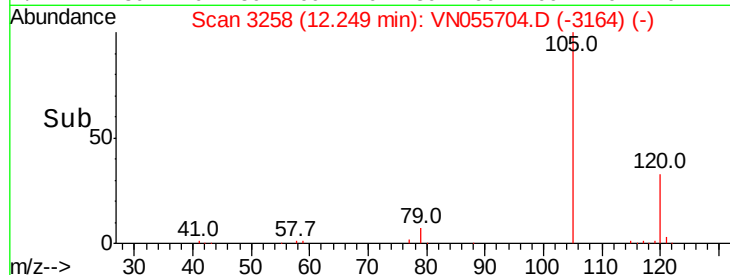
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.317 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion: 43 Resp: 100689

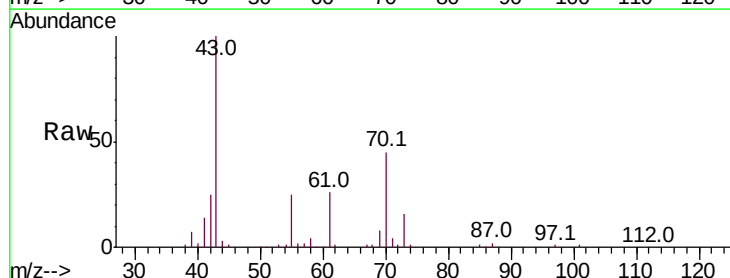
Ion Ratio Lower Upper

43 100

70 44.7 35.0 52.6

55 25.0 18.9 28.3

61 25.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

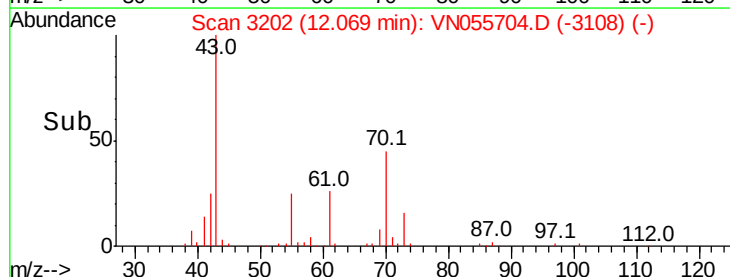
40000

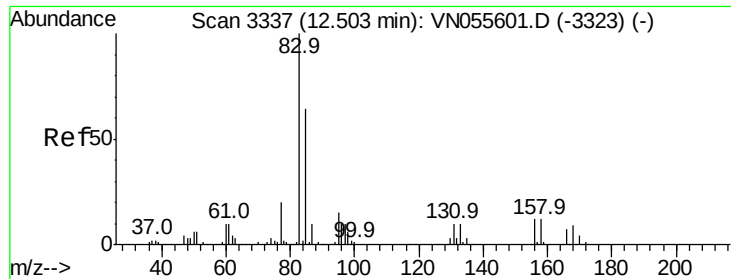
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.432 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

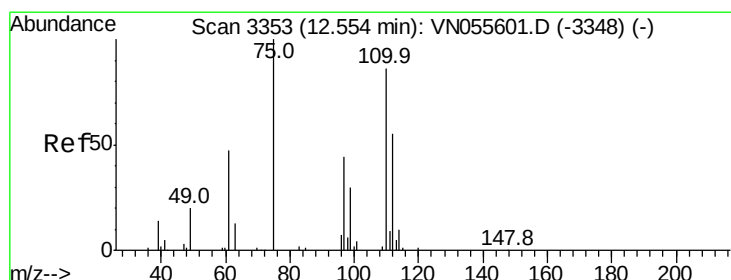
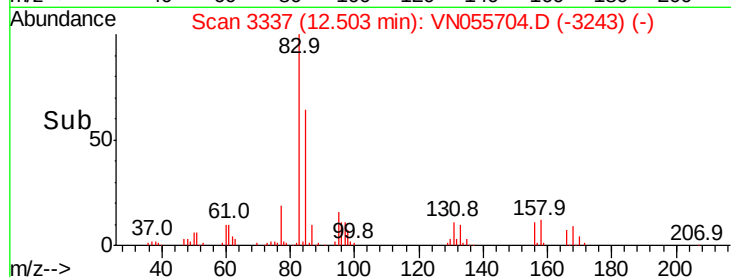
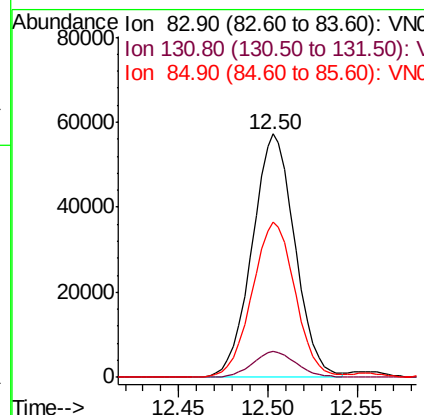
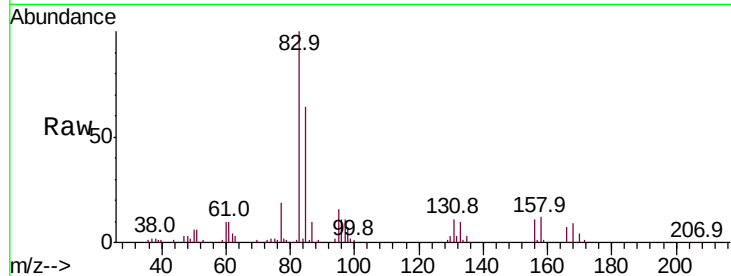
ClientSampleId :

VN0521WBS01

Tot Ion:	83	Resp:	95810
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.506 ug/l m

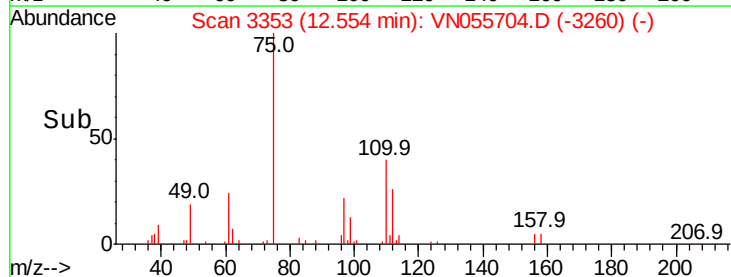
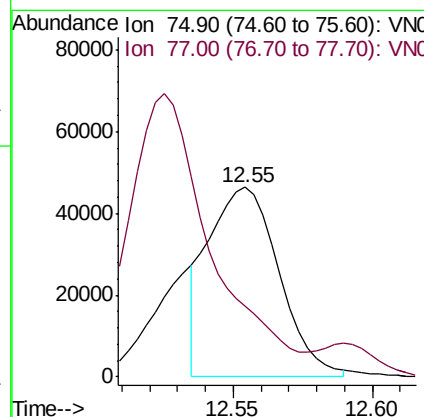
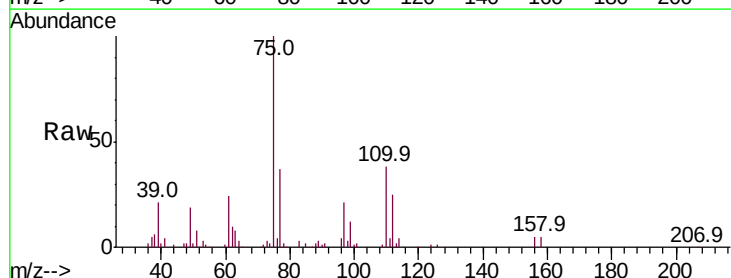
RT: 12.55 min Scan# 3353

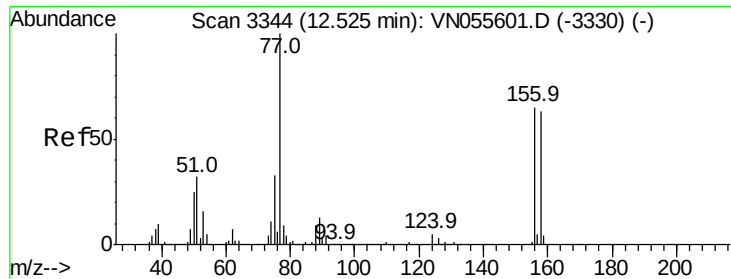
Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	75	Resp:	81461
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.172 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

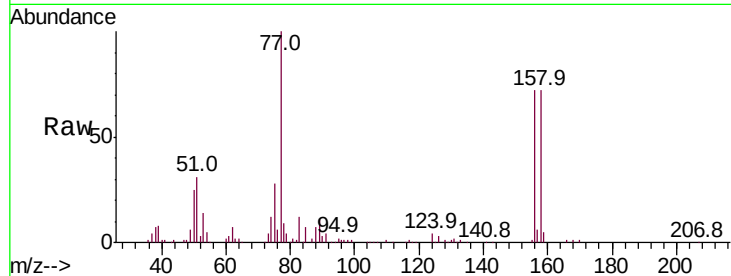
ClientSampleId :

VN0521WBS01

Tot Ion:	156	Resp:	84529
Ion	Ratio	Lower	Upper
156	100		
77	170.5	94.5	283.5
158	98.3	49.0	147.2

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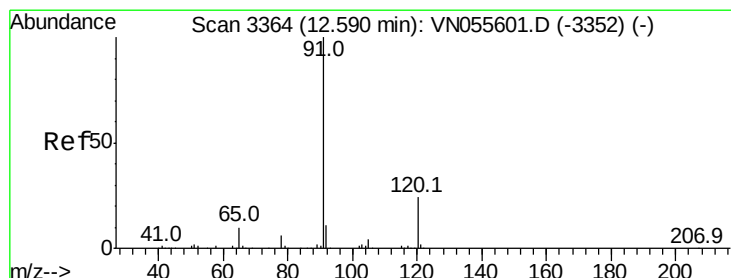
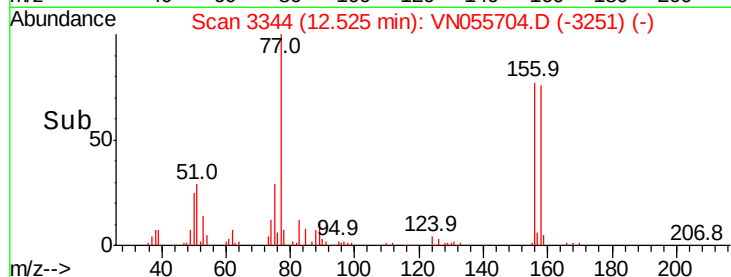
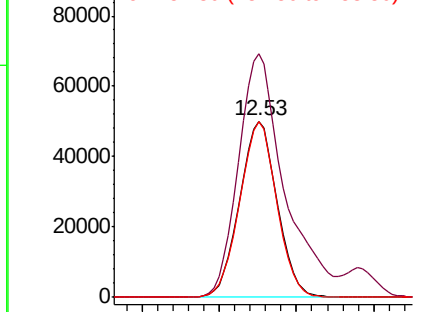
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.647 ug/l

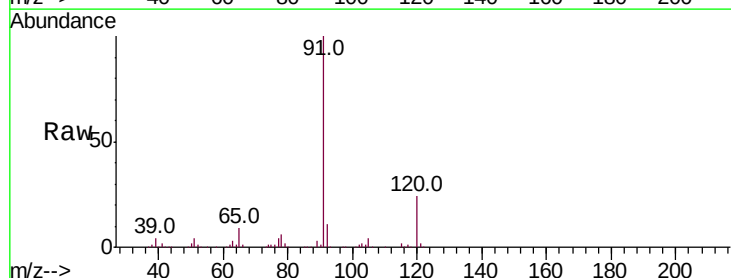
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055704.D

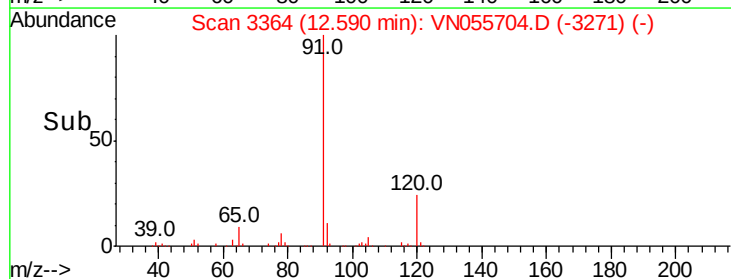
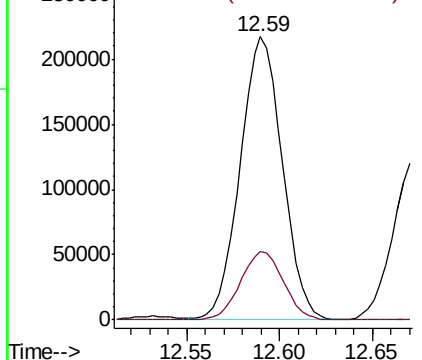
Acq: 21 May 2019 13:05

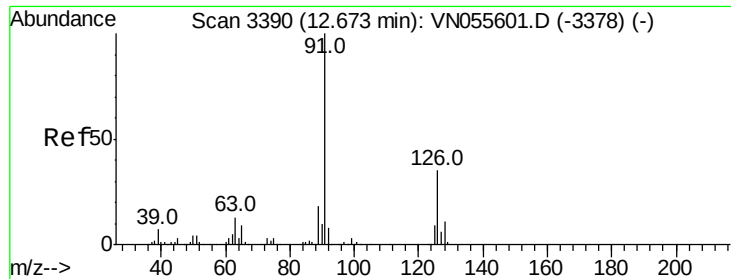
Tgt Ion:	91	Resp:	340363
Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.699 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion: 91 Resp: 208362

Ion Ratio Lower Upper

91 100

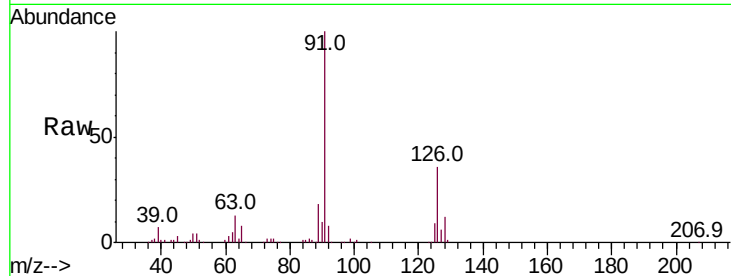
126 36.6 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3378) (-)

250000

200000

150000

100000

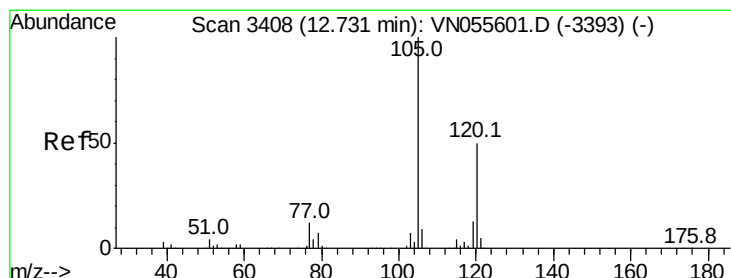
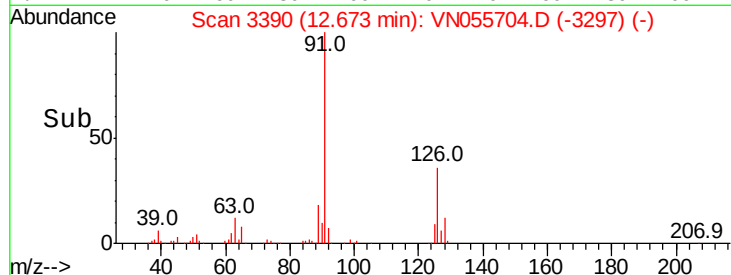
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.419 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055704.D

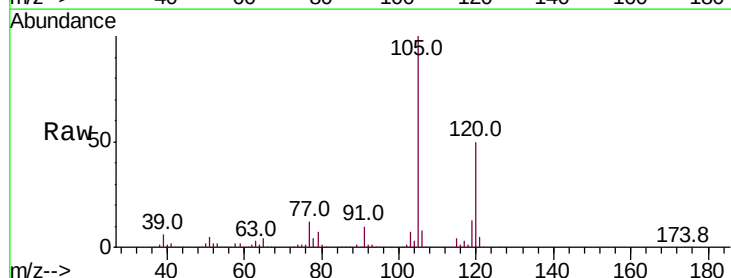
Acq: 21 May 2019 13:05

Tgt Ion:105 Resp: 272693

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055601.D (-3393) (-)

200000

150000

100000

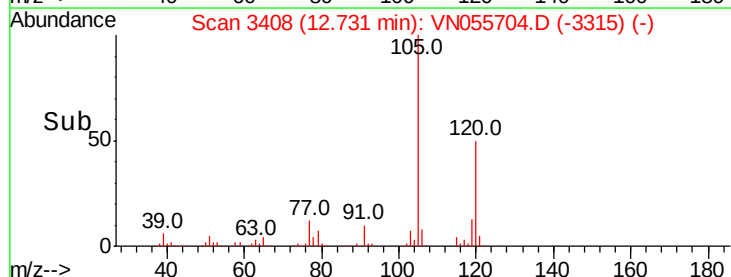
50000

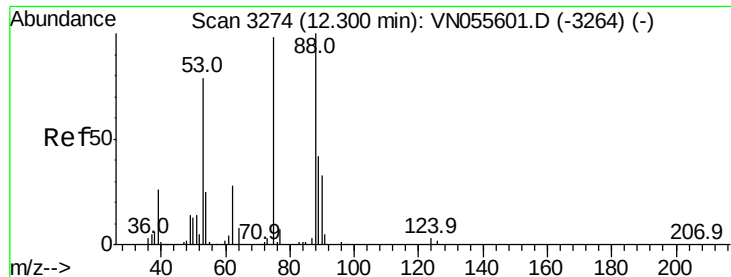
0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.210 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

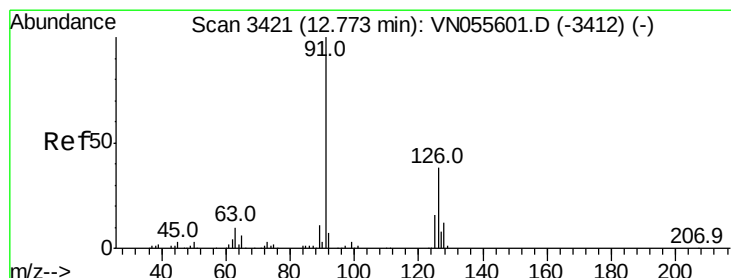
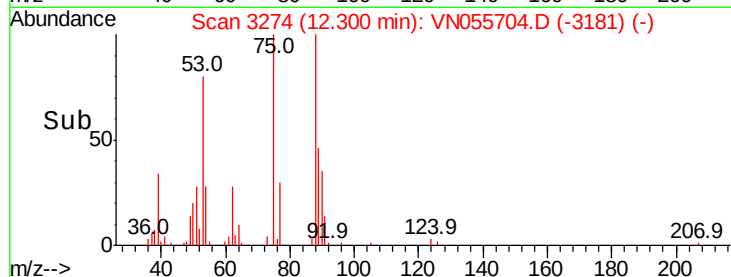
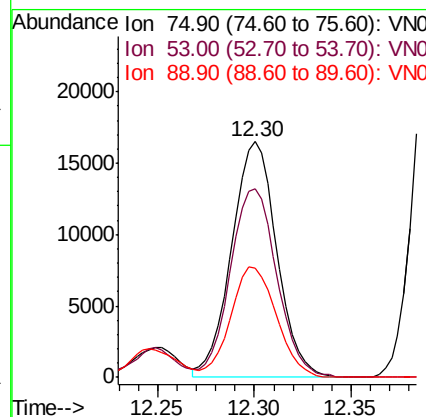
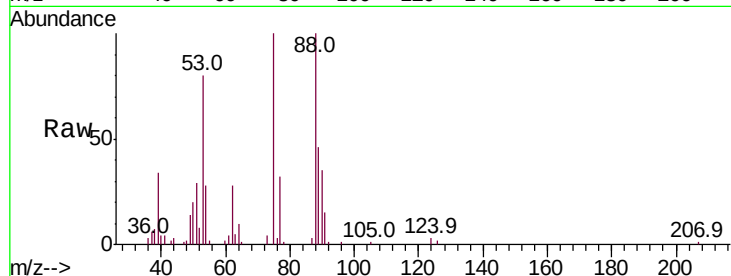
ClientSampleId :

VN0521WBS01

Tot Ion:	75	Resp:	26833
Ion	Ratio	Lower	Upper
75	100		
53	82.7	65.1	97.7
89	47.4	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.385 ug/l

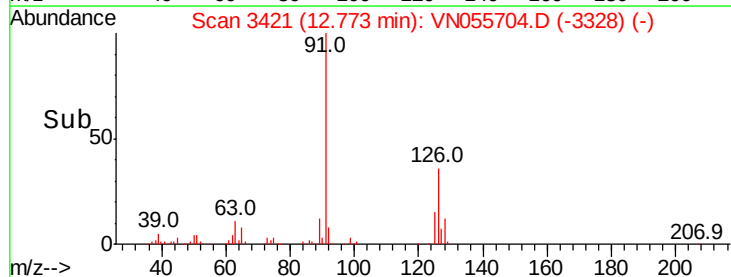
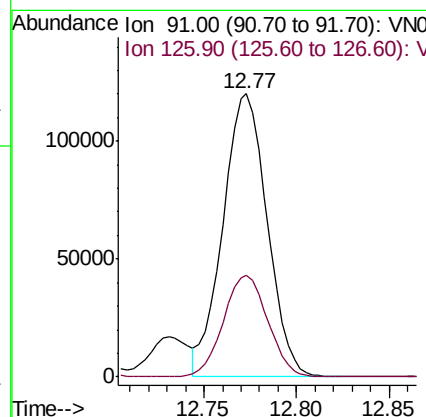
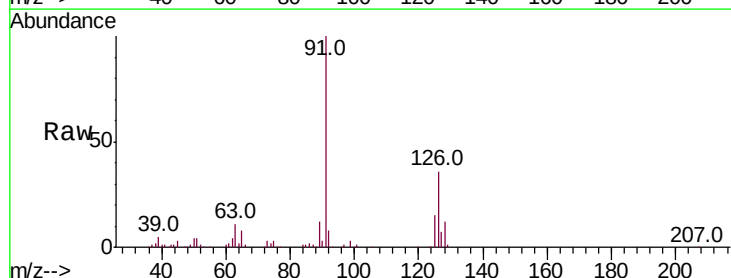
RT: 12.77 min Scan# 3421

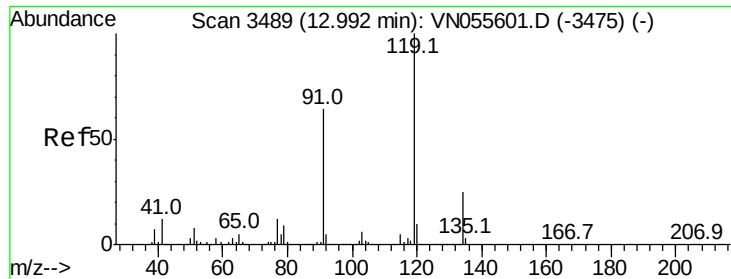
Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion:	91	Resp:	198001
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.5	52.6





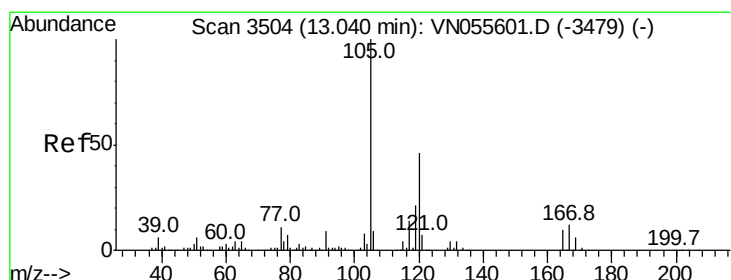
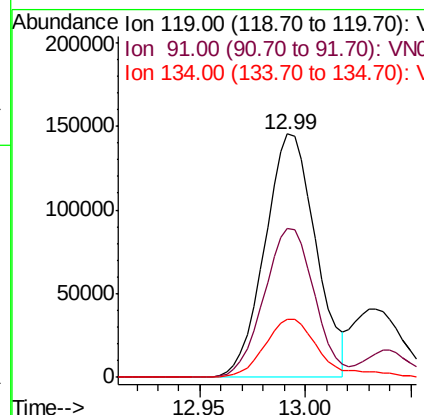
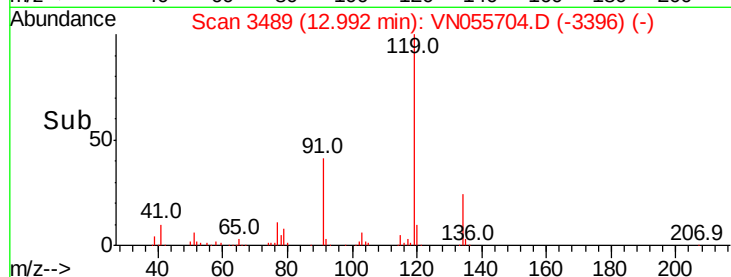
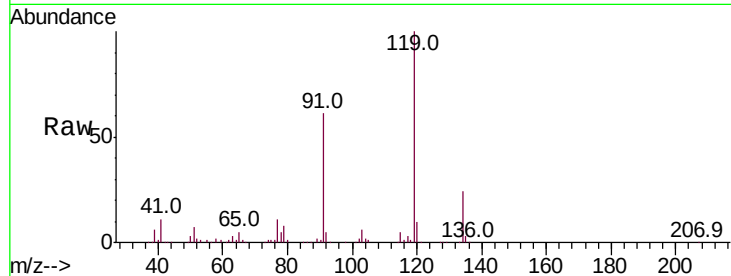
#83
 tert-Butylbenzene
 Concen: 24.379 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.3	93.8
134	25.8	13.2	39.6

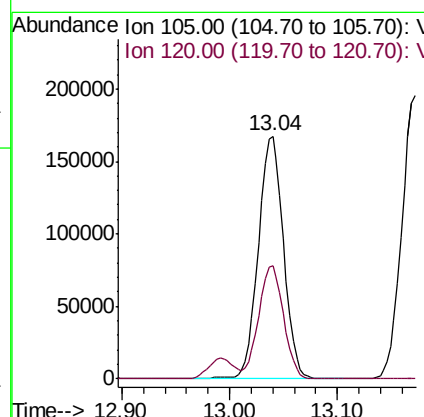
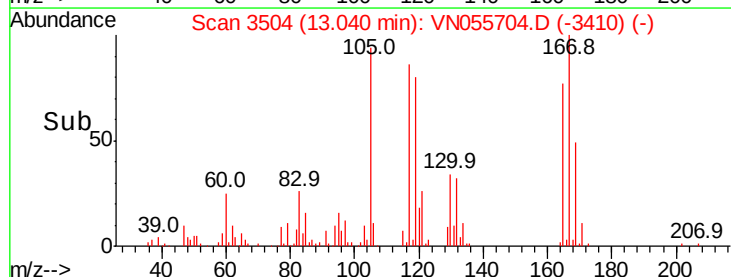
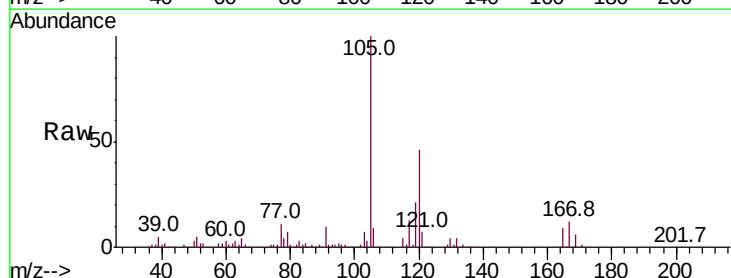
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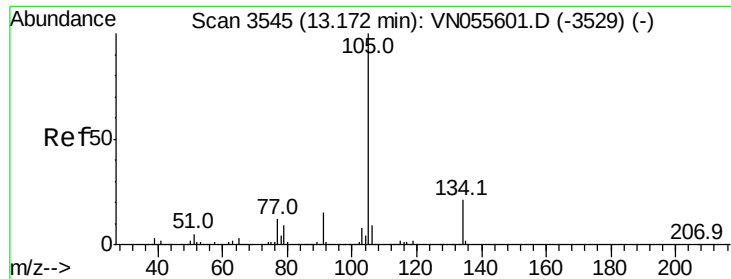
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.412 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 23.959 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tot Ion:105 Resp: 311167

Ion Ratio Lower Upper

105 100

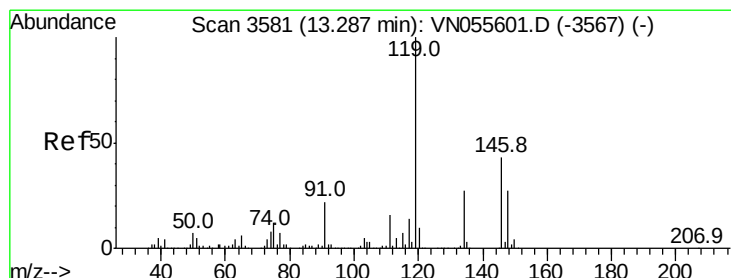
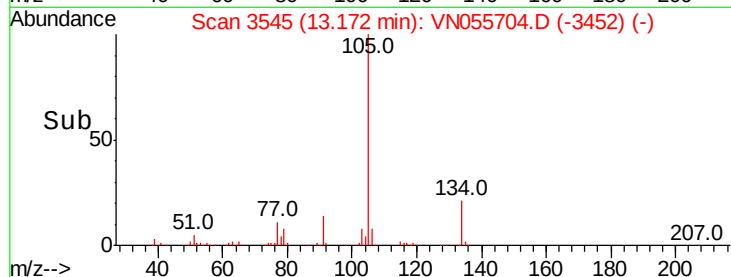
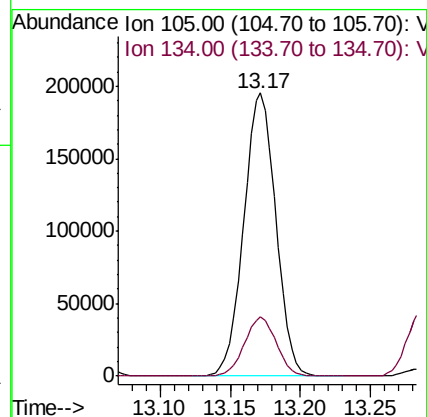
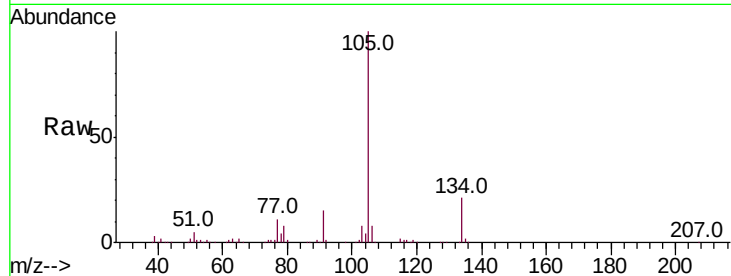
134 20.8 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 23.738 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

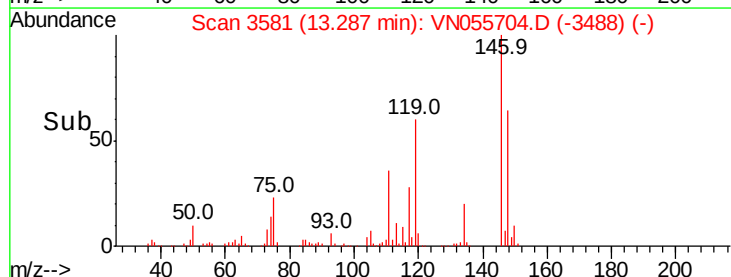
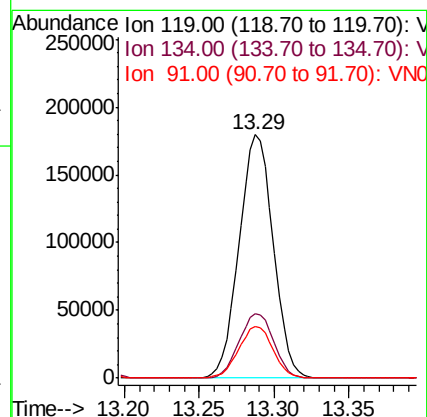
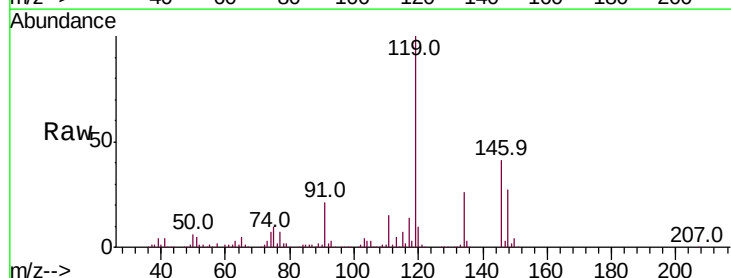
Tgt Ion:119 Resp: 284888

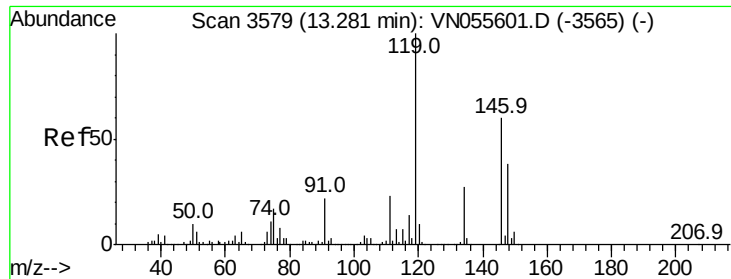
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.4 11.0 33.0





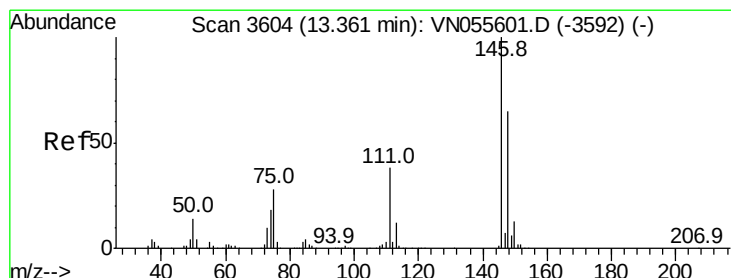
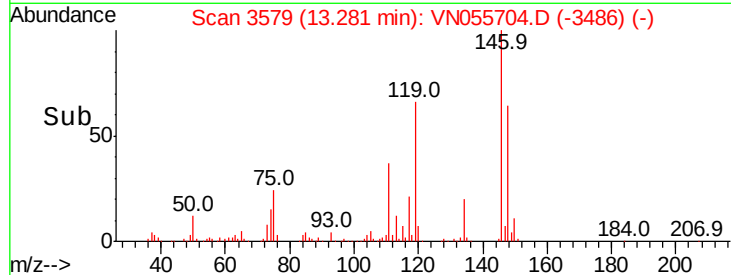
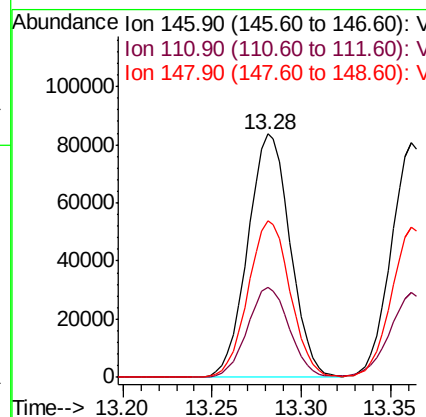
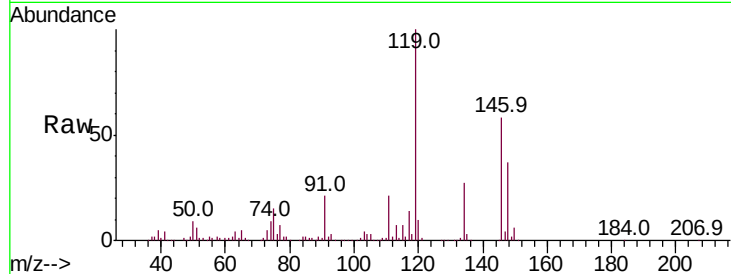
#87
 1,3-Dichlorobenzene
 Concen: 21.986 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138590		
111	36.6	18.9	56.9	
148	64.1	31.9	95.9	

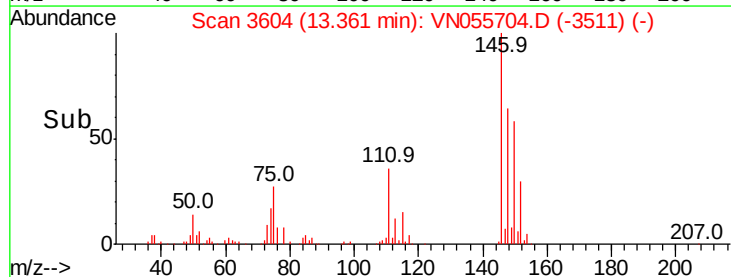
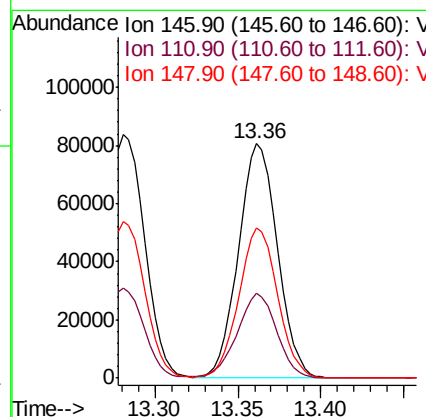
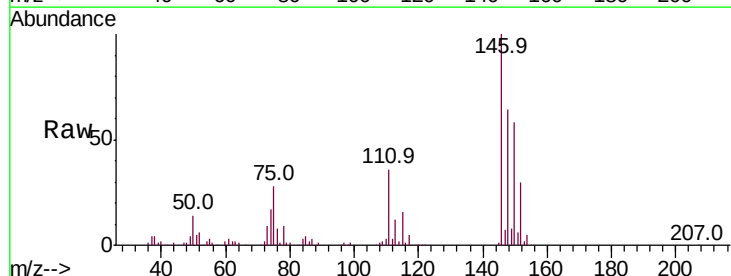
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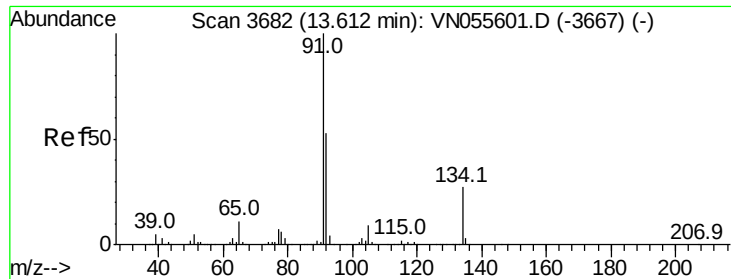
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#88
 1,4-Dichlorobenzene
 Concen: 21.955 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132141		
111	36.8	18.8	56.4	
148	63.7	32.4	97.0	





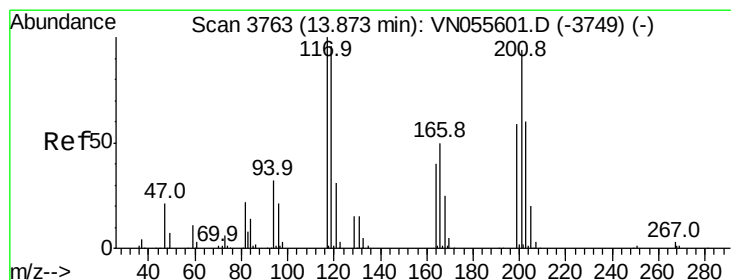
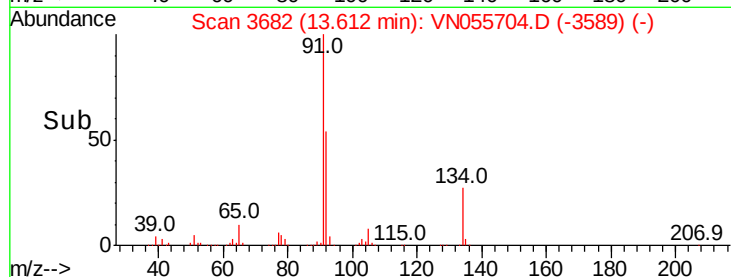
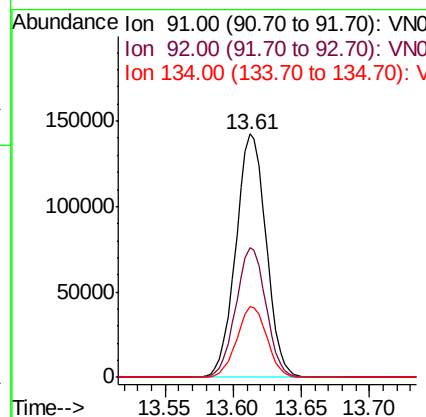
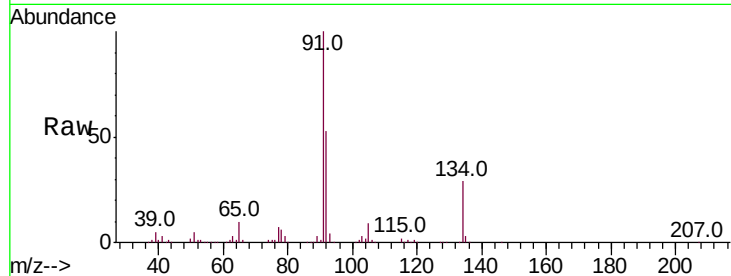
#89
n-Butylbenzene
Concen: 21.575 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	28.9	13.7	41.1

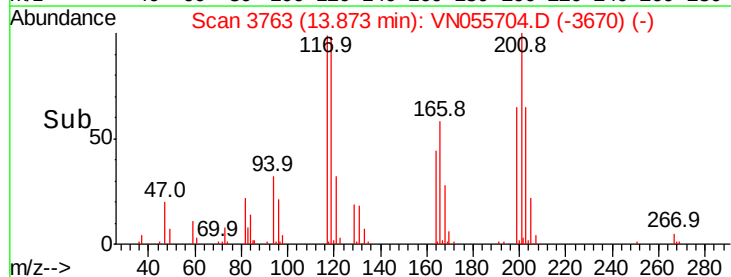
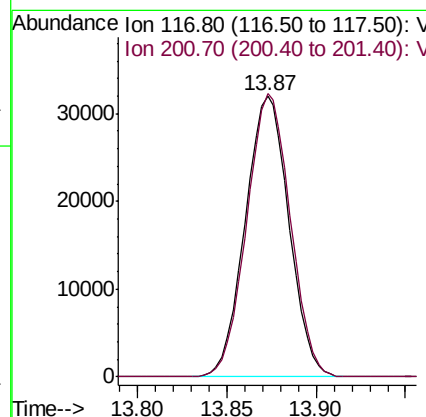
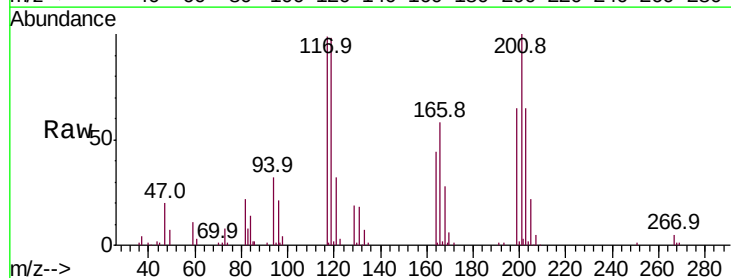
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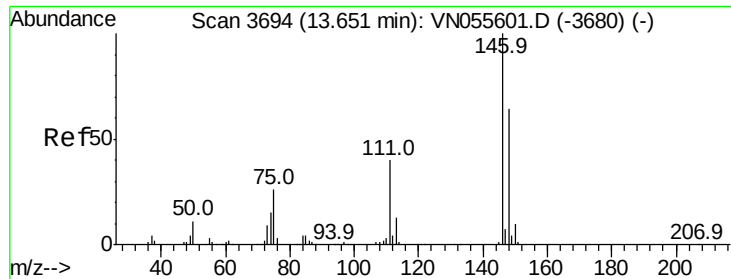
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#90
Hexachloroethane
Concen: 23.693 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.6	47.1	141.3





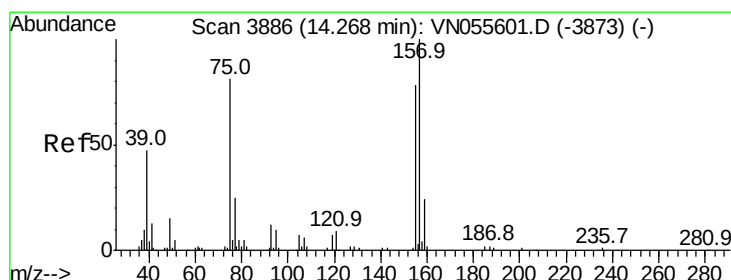
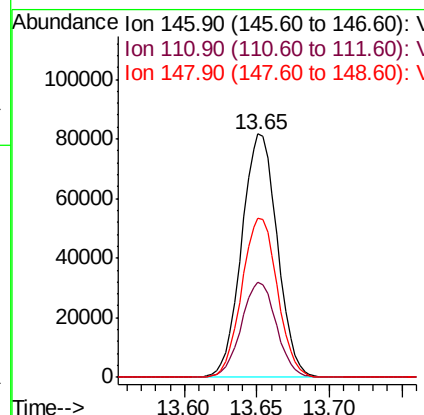
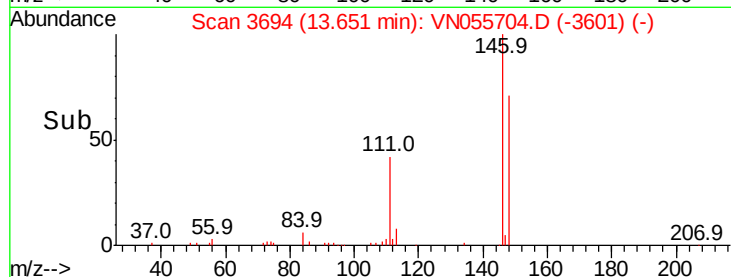
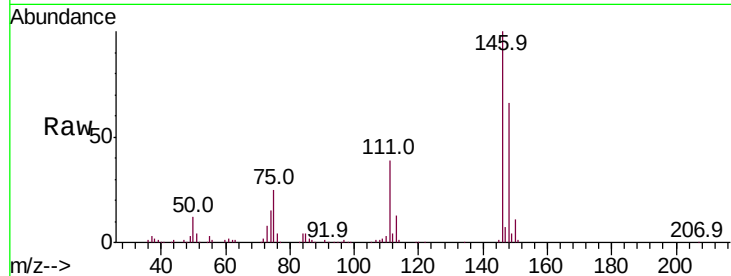
#91
 1,2-Dichlorobenzene
 Concen: 22.204 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.2	19.7	59.0	
148	65.4	32.1	96.3	

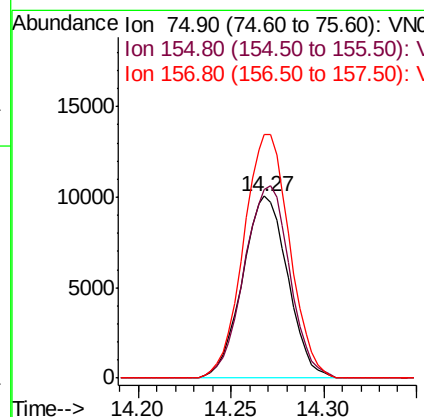
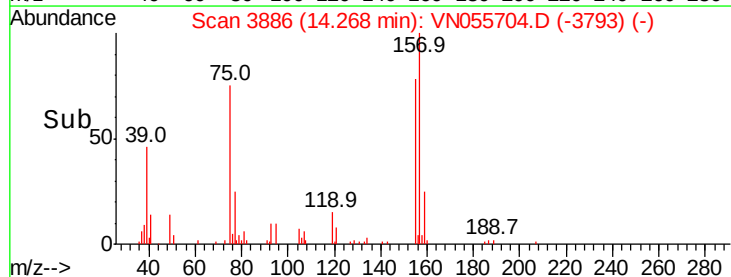
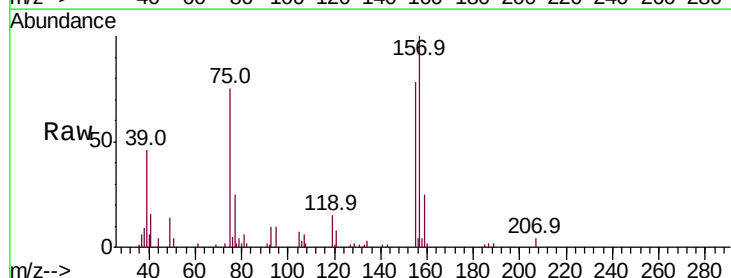
Manual Integrations
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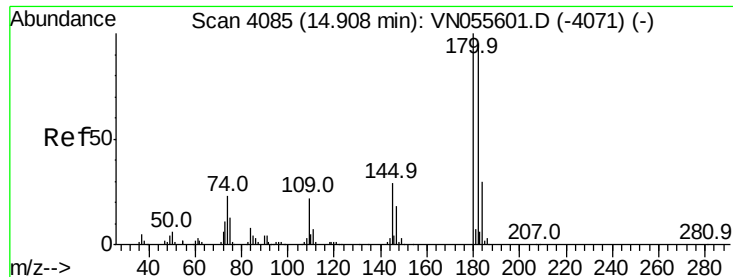
MMDadoda
 5/22/2019 4:11:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.317 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	106.7	48.4	145.0	
157	136.2	62.3	186.8	





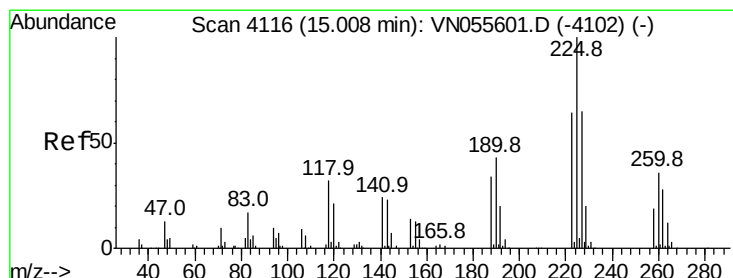
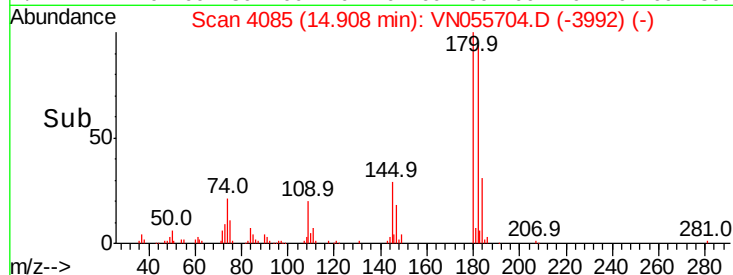
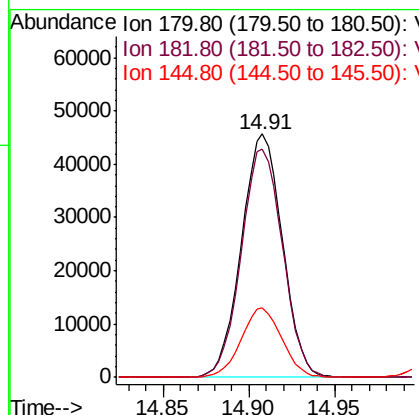
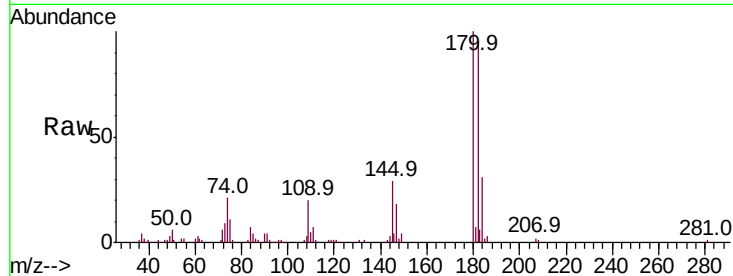
#93
 1,2,4-Trichlorobenzene
 Concen: 23.661 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	28.1	14.3	42.9

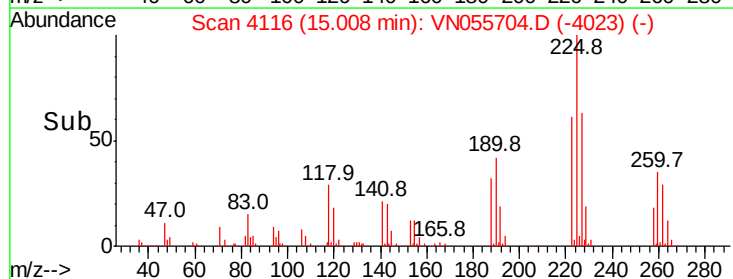
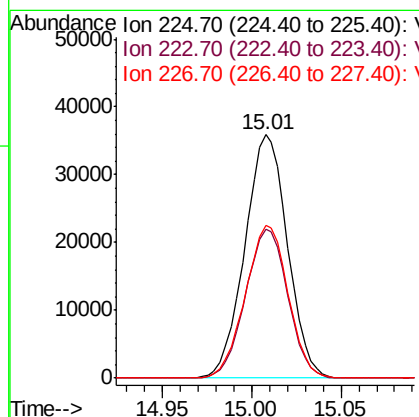
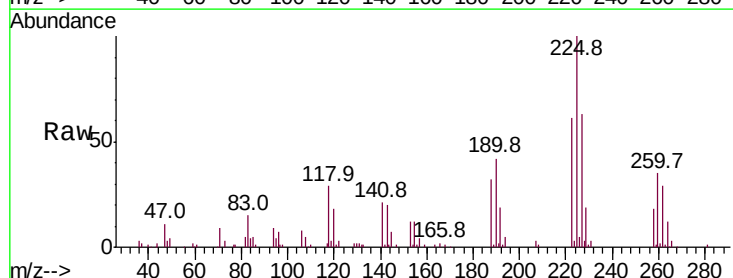
Manual Integrations
 APPROVED

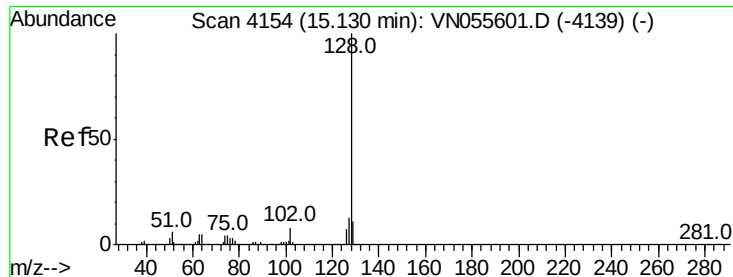
MMDadoda
 5/22/2019 4:11:29 PM



#94
 Hexachlorobutadiene
 Concen: 29.771 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.6	94.7
227	62.9	32.4	97.0





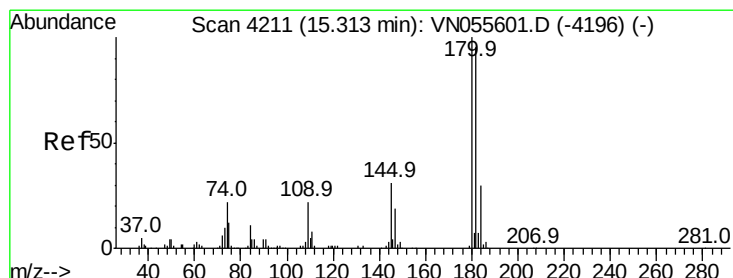
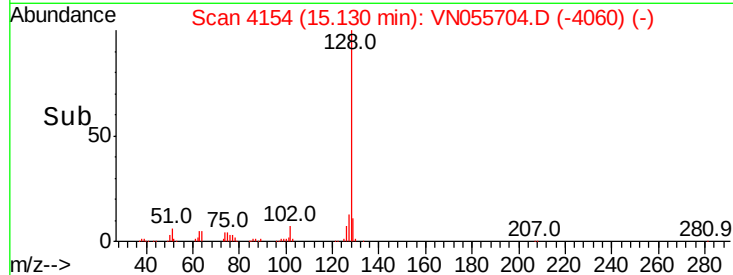
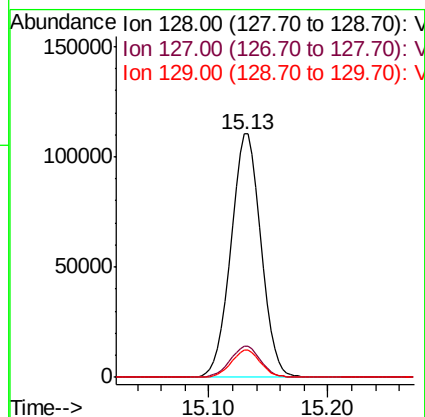
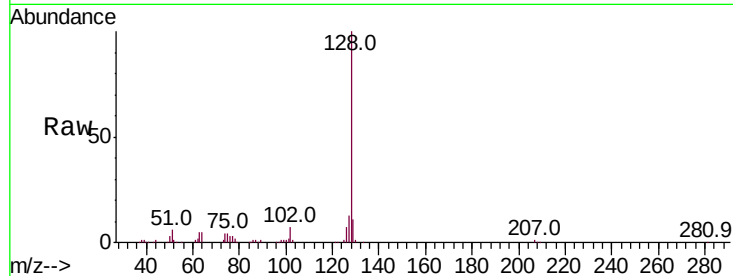
#95
Naphthalene
Concen: 21.081 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tot Ion:	128	Resp:	193289
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/22/2019 4:11:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 24.225 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:	180	Resp:	81017
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.6
145	28.9	15.4	46.1

