

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056730.D
 Acq On : 15 Jul 2019 23:01
 Operator : JC/SP
 Sample : VN0715WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:50 AM

Quant Time: Jul 16 05:34:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	334721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	522188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185241	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	162857	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	627615	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	210806	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	58487	18.609	ug/l	98
3) Chloromethane	2.06	50	77700	18.388	ug/l	99
4) Vinyl Chloride	2.18	62	78249	19.230	ug/l	100
5) Bromomethane	2.57	94	49533	20.700	ug/l	98
6) Chloroethane	2.70	64	44124	18.608	ug/l	97
7) Trichlorofluoromethane	3.01	101	100477	19.243	ug/l	96
8) Diethyl Ether	3.41	74	40177	19.736	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60404	19.255	ug/l	99
10) Methyl Iodide	3.95	142	70196	16.730	ug/l	99
11) Tert butyl alcohol	4.80	59	58003	94.118	ug/l	100
12) 1,1-Dichloroethene	3.73	96	61256	19.467	ug/l	99
13) Acrolein	3.61	56	17441	89.993	ug/l	98
14) Allyl chloride	4.32	41	99948	18.367	ug/l	98
15) Acrylonitrile	4.99	53	174104	97.827	ug/l	99
16) Acetone	3.82	43	135682	79.523	ug/l	99
17) Carbon Disulfide	4.05	76	157831	18.981	ug/l	97
18) Methyl Acetate	4.33	43	88933	22.676	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	190753	19.026	ug/l	97
20) Methylene Chloride	4.55	84	71744	19.242	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	67312	20.238	ug/l	96
22) Diisopropyl ether	5.95	45	212874	19.819	ug/l	95
23) Vinyl Acetate	5.90	43	797681	91.647	ug/l	100
24) 1,1-Dichloroethane	5.85	63	121243	19.470	ug/l	99
25) 2-Butanone	6.84	43	224963	90.185	ug/l	99
26) 2,2-Dichloropropane	6.83	77	70066	15.604	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	77236	20.181	ug/l	97
28) Bromochloromethane	7.20	49	60559	20.683	ug/l	100
29) Tetrahydrofuran	7.21	42	158906	97.670	ug/l	99
30) Chloroform	7.37	83	119714	19.211	ug/l	99
31) Cyclohexane	7.65	56	117035	19.773	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	98703	20.028	ug/l	99
36) 1,1-Dichloropropene	7.80	75	92907	19.227	ug/l	99
37) Ethyl Acetate	6.93	43	90126	18.924	ug/l	99
38) Carbon Tetrachloride	7.78	117	85461	18.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	110236	18.476	ug/l	98
40) Benzene	8.04	78	283545	19.151	ug/l	99
41) Methacrylonitrile	7.18	41	43485	20.787	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	91530	19.560	ug/l	100
43) Isopropyl Acetate	8.17	43	139830	18.676	ug/l	93
44) Trichloroethene	8.84	130	77664	19.316	ug/l	94
45) 1,2-Dichloropropane	9.12	63	75826	19.274	ug/l	95
46) Dibromomethane	9.21	93	48550	19.914	ug/l	100
47) Bromodichloromethane	9.40	83	88197	19.037	ug/l	100
48) Methyl methacrylate	9.20	41	69674	19.242	ug/l	99
49) 1,4-Dioxane	9.20	88	24981	336.236	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	460170	94.895	ug/l	100
52) Toluene	10.16	92	176907	20.119	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	89705	18.559	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102889	18.344	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	71387	19.356	ug/l	98
56) Ethyl methacrylate	10.43	69	103094	19.428	ug/l	99
57) 1,3-Dichloropropane	10.71	76	117998	19.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	246043	96.420	ug/l	100
59) 2-Hexanone	10.75	43	330847	95.084	ug/l	100
60) Dibromochloromethane	10.90	129	71150	19.616	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72577	19.802	ug/l	98
64) Tetrachloroethene	10.63	164	77361	19.214	ug/l	96
65) Chlorobenzene	11.43	112	184808	19.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67233	19.135	ug/l	97
67) Ethyl Benzene	11.51	91	325712	19.422	ug/l	100
68) m/p-Xylenes	11.62	106	243723	38.886	ug/l	100
69) o-Xylene	11.95	106	116468	18.902	ug/l	98
70) Styrene	11.96	104	195777	19.653	ug/l	100
71) Bromoform	12.13	173	50373	18.843	ug/l #	99
73) Isopropylbenzene	12.25	105	311474	18.748	ug/l	99
74) N-amyl acetate	12.07	43	102998	16.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	99237	19.440	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88196m	19.571	ug/l	
77) Bromobenzene	12.53	156	82433	18.970	ug/l	97
78) n-propylbenzene	12.59	91	345463	18.730	ug/l	99
79) 2-Chlorotoluene	12.67	91	207346	19.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	263816	18.736	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24261	16.626	ug/l	96
82) 4-Chlorotoluene	12.77	91	206024	19.034	ug/l	100
83) tert-Butylbenzene	12.99	119	222256	19.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261460	19.007	ug/l	99
85) sec-Butylbenzene	13.17	105	293791	18.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	267701	18.887	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	134178	18.841	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132078	19.067	ug/l	99
89) n-Butylbenzene	13.61	91	217176	19.022	ug/l	100
90) Hexachloroethane	13.87	117	39824	17.374	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	135676	18.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17004	19.087	ug/l	97

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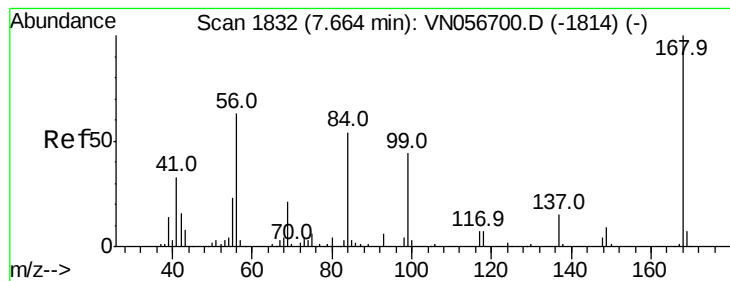
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69310	19.645	ug/l	98
94) Hexachlorobutadiene	15.01	225	46259	19.425	ug/l	99
95) Naphthalene	15.13	128	182498	19.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	74025	20.621	ug/l	99

(#) = 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: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion:168 Resp: 334721

Ion Ratio Lower Upper

168 100

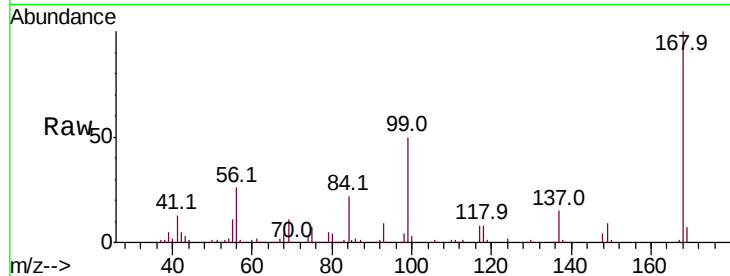
99 49.5 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

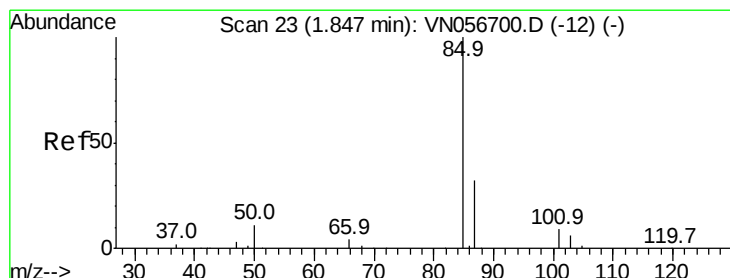
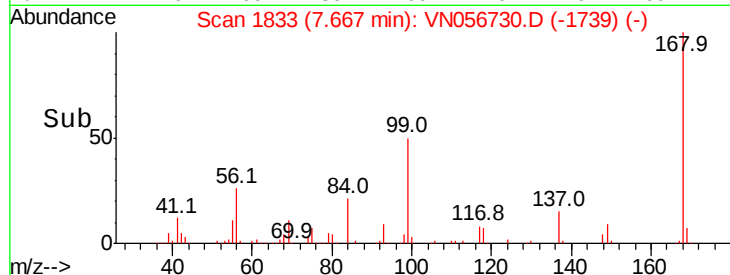
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.609 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056730.D

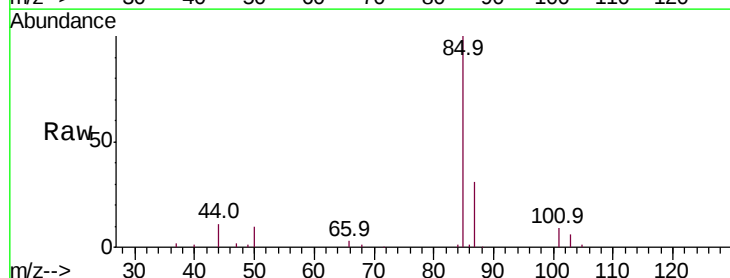
Acq: 15 Jul 2019 23:01

Tgt Ion: 85 Resp: 58487

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

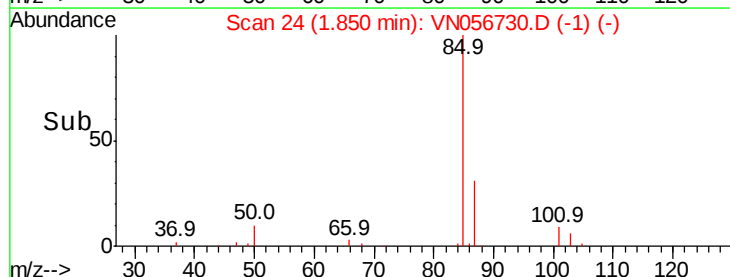
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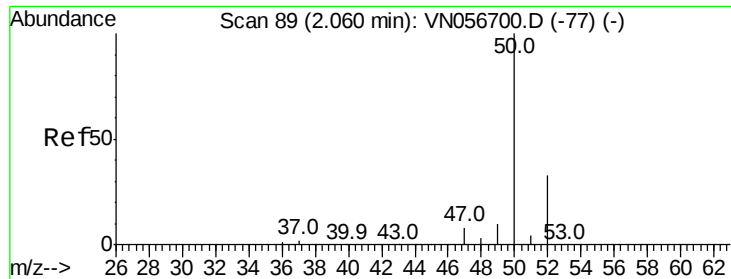
10000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.388 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 50 Resp: 77700

Ion Ratio Lower Upper

50 100

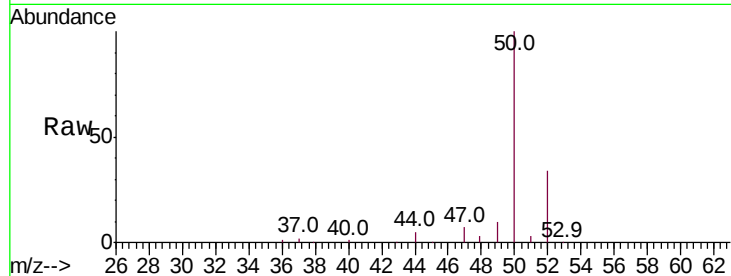
52 33.7 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

60000

50000

40000

30000

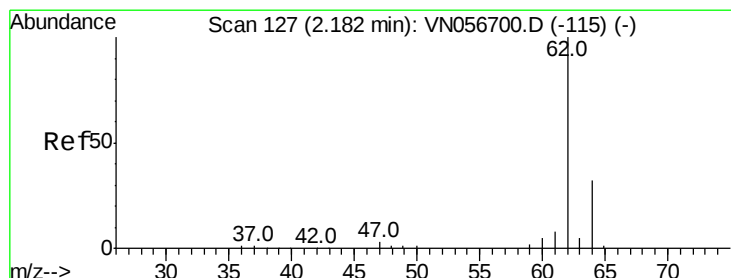
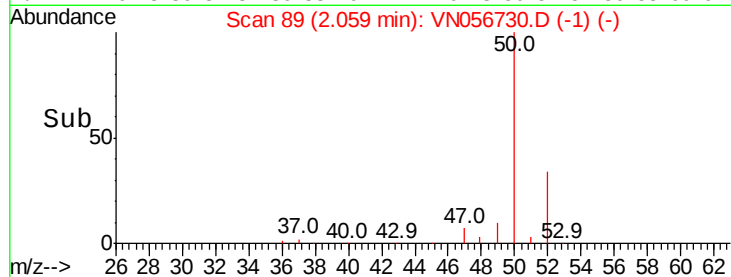
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.230 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056730.D

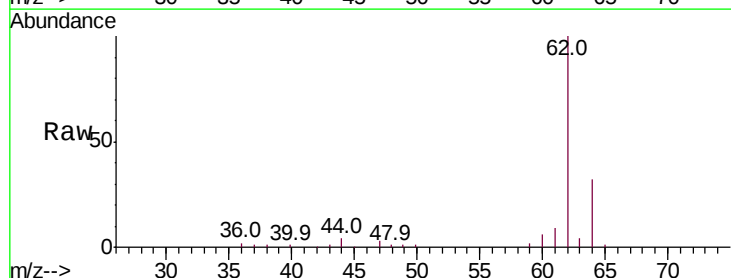
Acq: 15 Jul 2019 23:01

Tgt Ion: 62 Resp: 78249

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

60000

50000

40000

30000

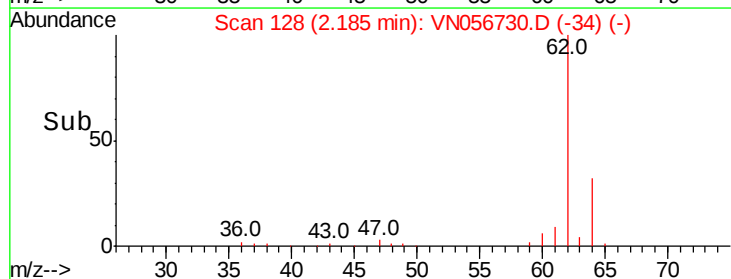
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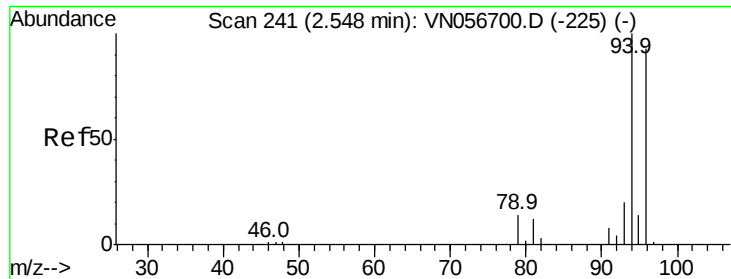
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Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.700 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

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VN0715WBSD02

Tot Ion: 94 Resp: 49533

Ion Ratio Lower Upper

94 100

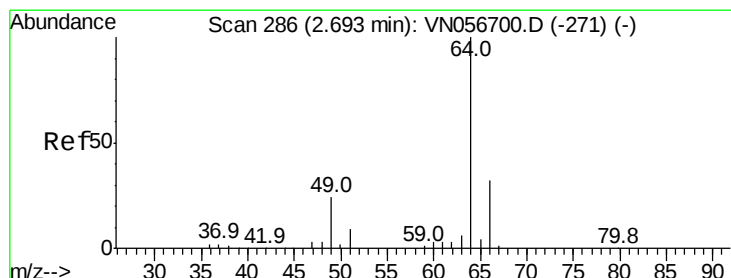
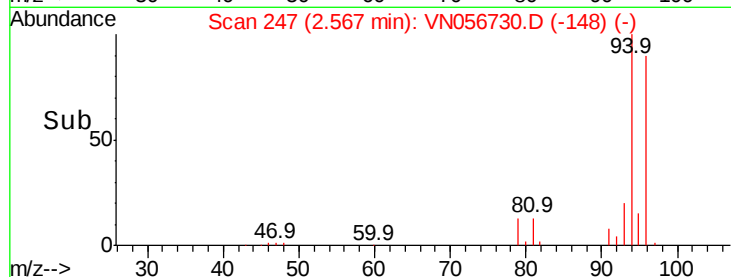
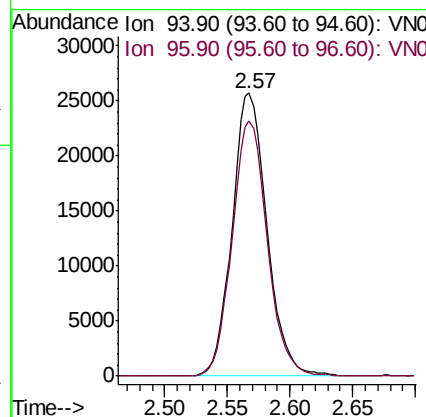
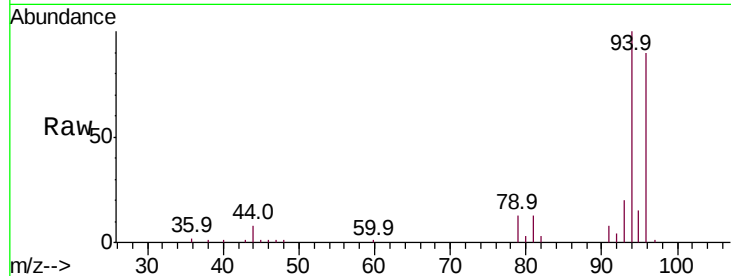
96 90.3 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 18.608 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN056730.D

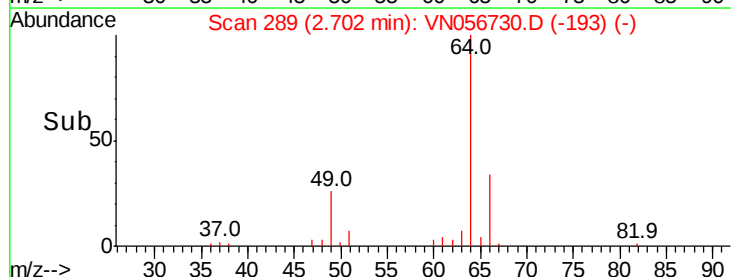
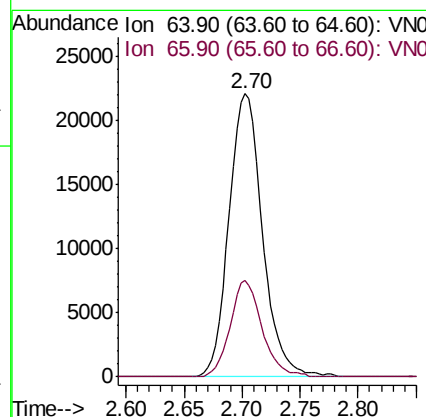
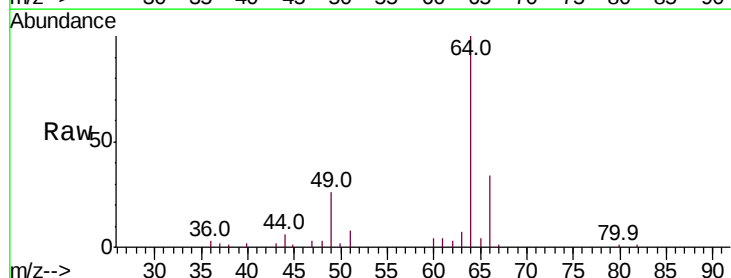
Acq: 15 Jul 2019 23:01

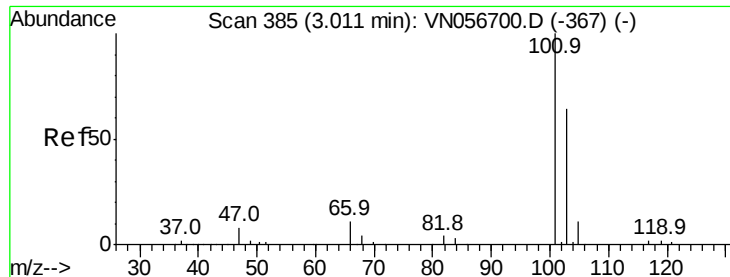
Tgt Ion: 64 Resp: 44124

Ion Ratio Lower Upper

64 100

66 34.0 25.8 38.8





#7

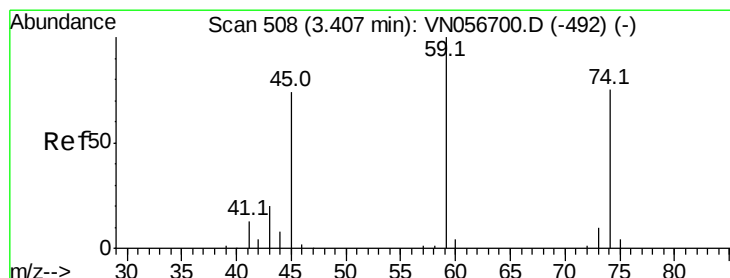
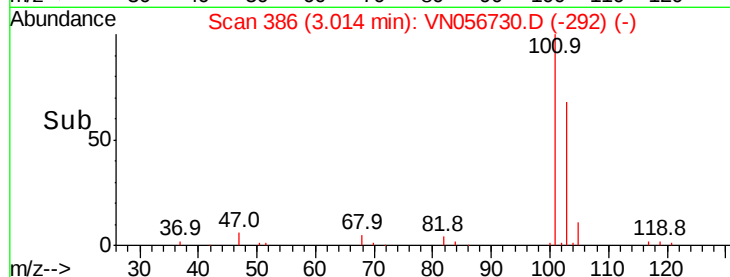
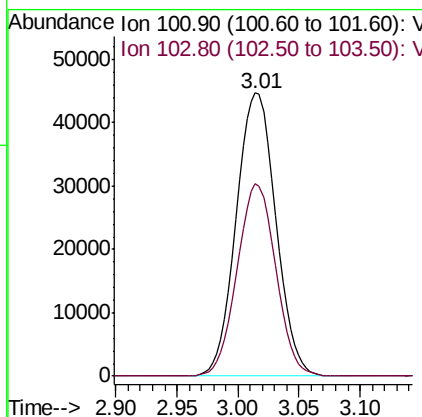
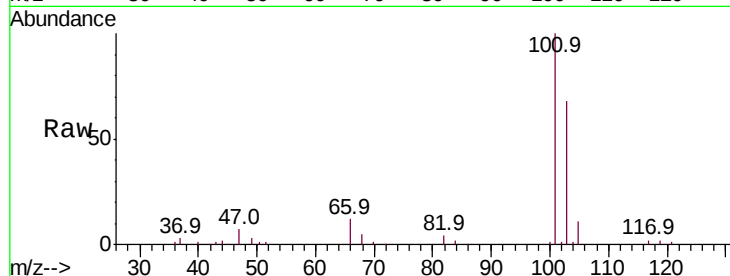
Trichlorofluoromethane
 Concen: 19.243 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.5	77.3

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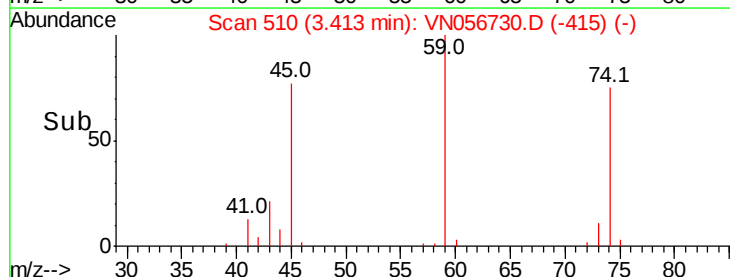
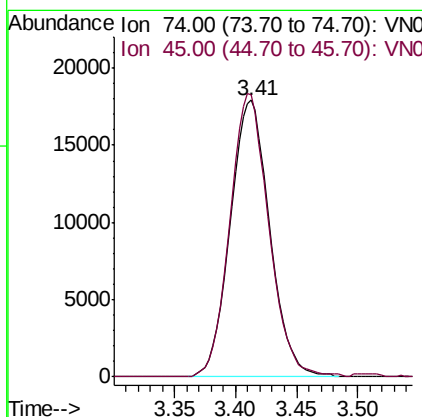
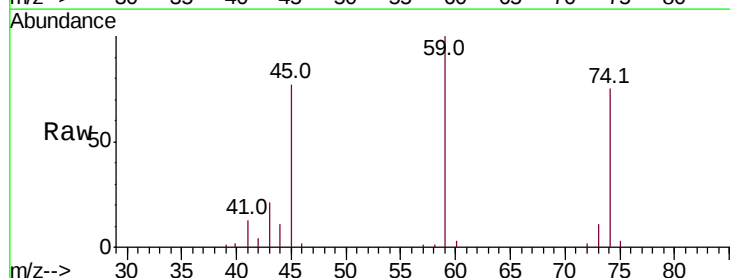
MMDadoda
 7/17/2019 1:31:50 AM

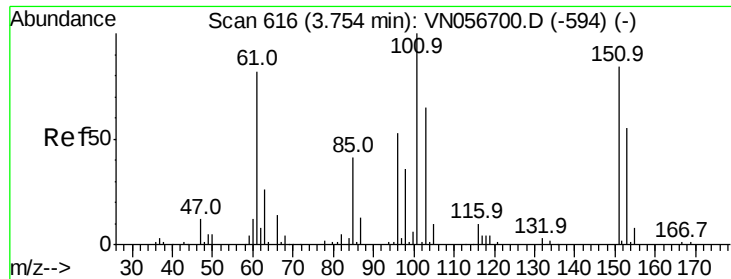


#8

Diethyl Ether
 Concen: 19.736 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.255 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

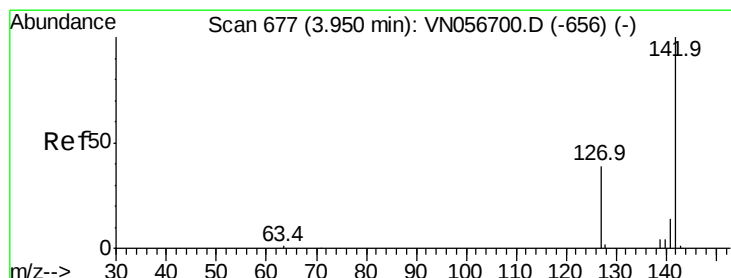
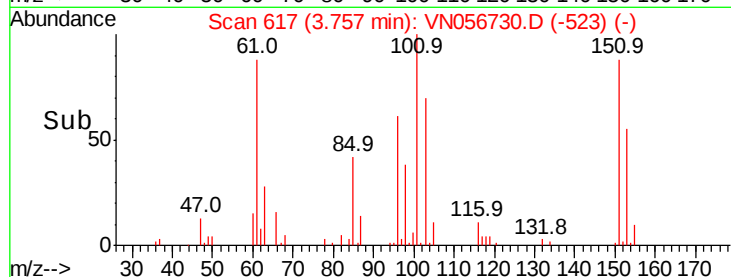
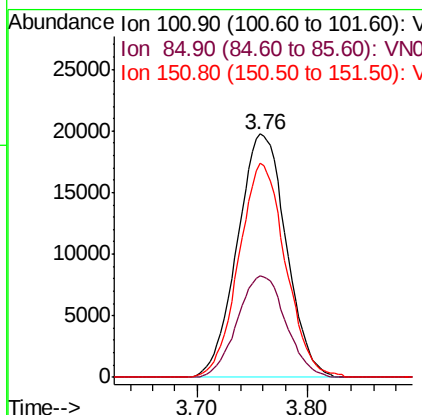
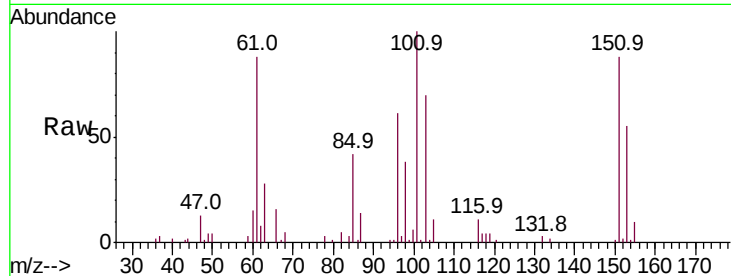
ClientSampleId :

VN0715WBSD02

Tot Ion:	101	Resp:	60404
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	84.5	67.0	100.6

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#10

Methyl Iodide

Concen: 16.730 ug/l

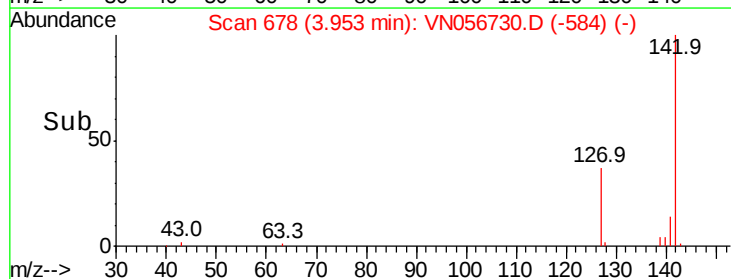
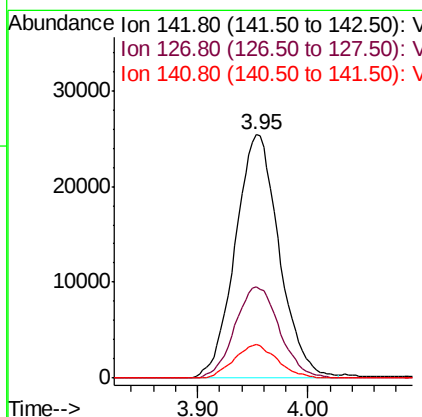
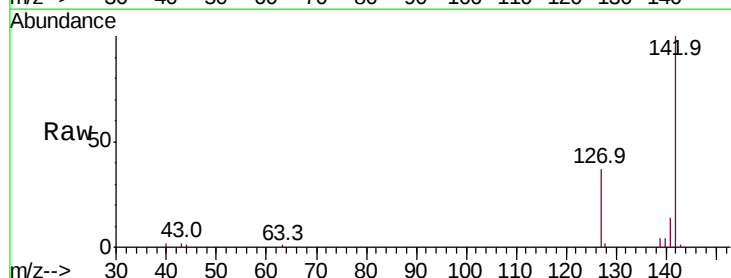
RT: 3.95 min Scan# 678

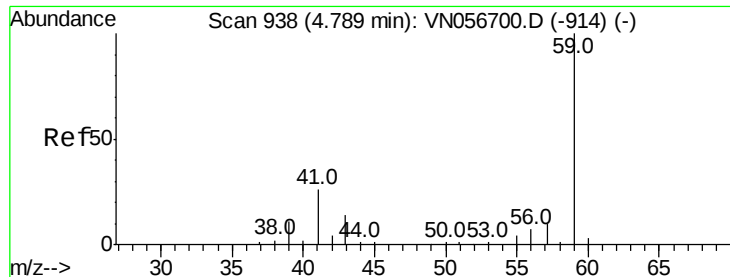
Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	142	Resp:	70196
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.7	46.1
141	13.5	11.3	16.9





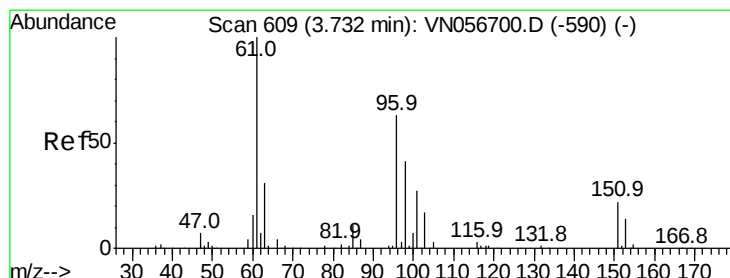
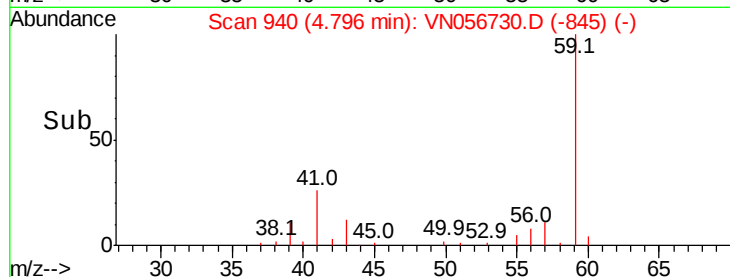
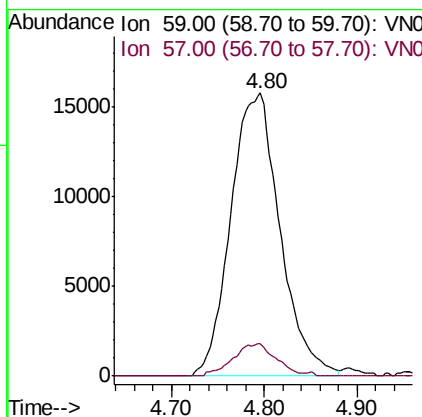
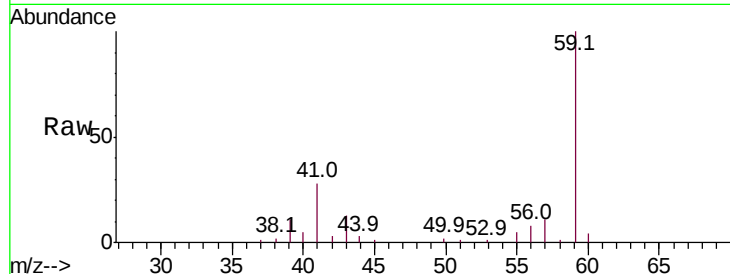
#11
Tert butyl alcohol
Concen: 94.118 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 59 Resp: 58003
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0

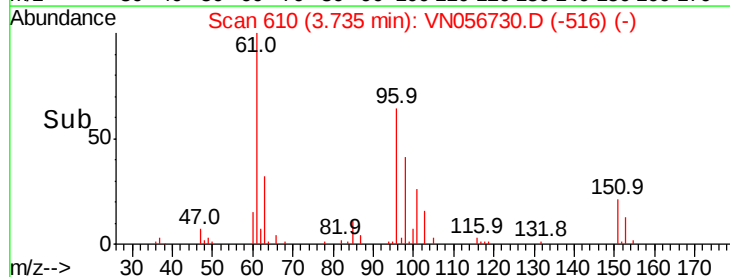
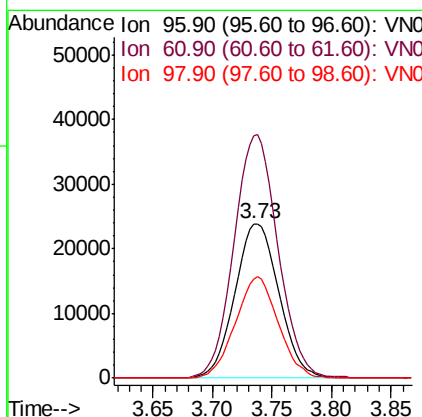
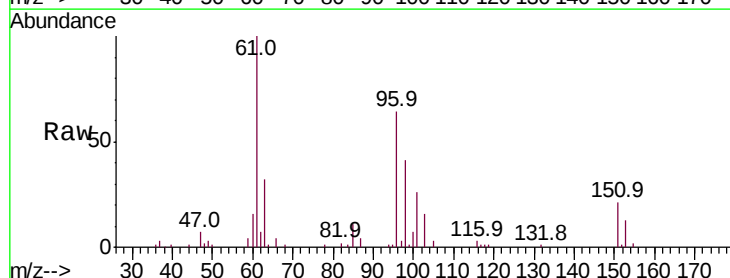
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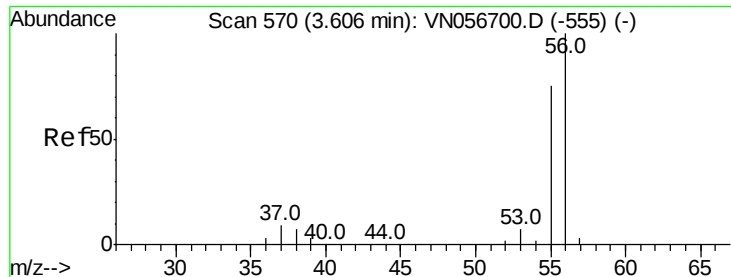
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#12
1,1-Dichloroethene
Concen: 19.467 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 96 Resp: 61256
Ion Ratio Lower Upper
96 100
61 157.0 126.6 189.8
98 64.3 51.4 77.2





#13

Acrolein

Concen: 89.993 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 56 Resp: 17441

Ion Ratio Lower Upper

56 100

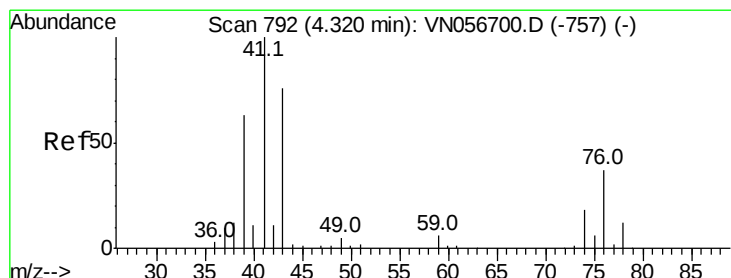
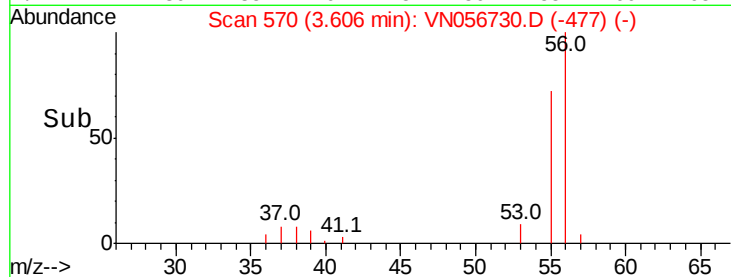
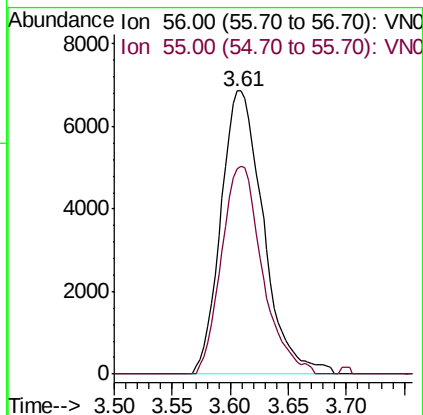
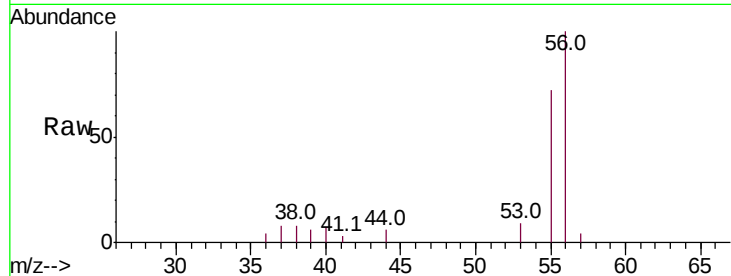
55 70.8 58.0 87.0

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#14

Allyl chloride

Concen: 18.367 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

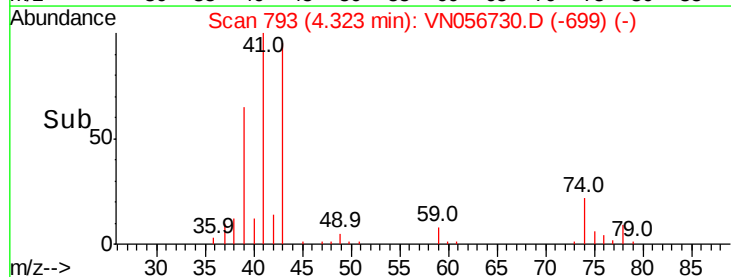
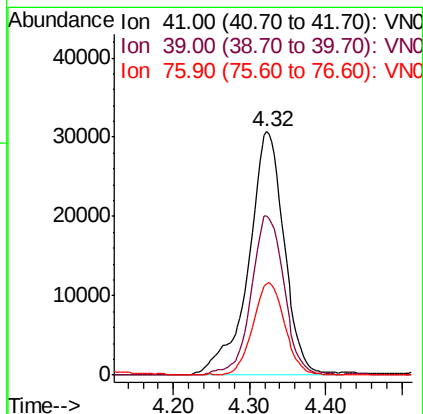
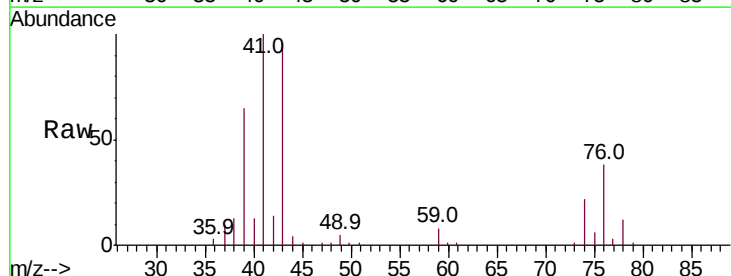
Tgt Ion: 41 Resp: 99948

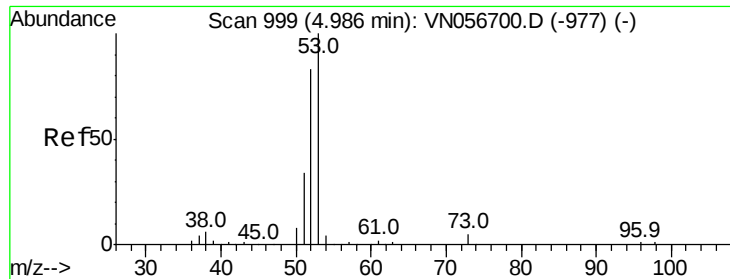
Ion Ratio Lower Upper

41 100

39 60.1 46.9 70.3

76 33.9 26.5 39.7





#15

Acrylonitrile

Concen: 97.827 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

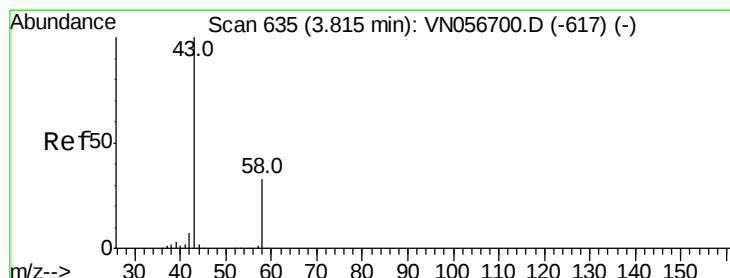
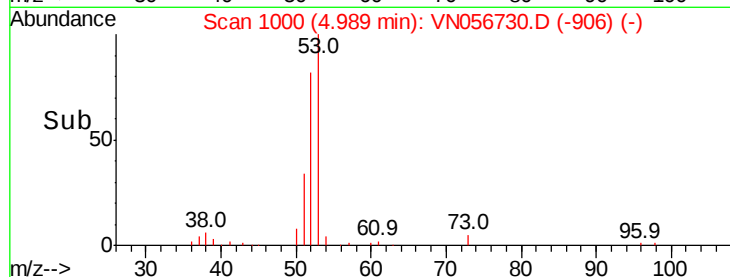
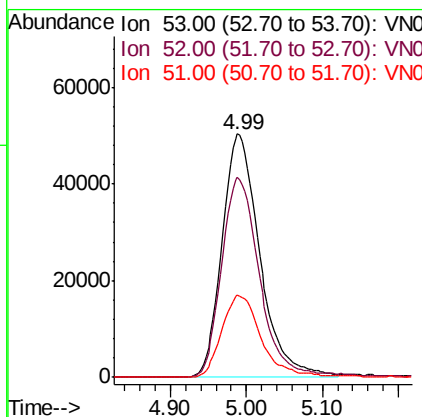
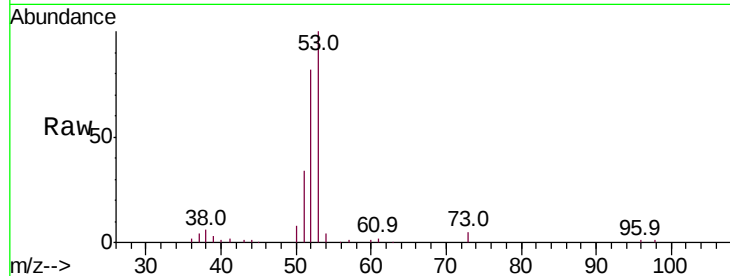
ClientSampleId :

VN0715WBSD02

Tot Ion:	53	Resp:	174104
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.6	99.8
51	35.1	28.4	42.6

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#16

Acetone

Concen: 79.523 ug/l

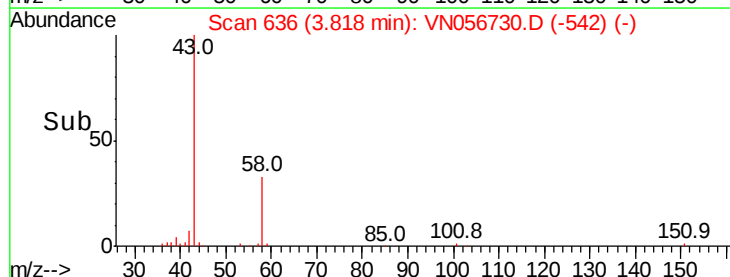
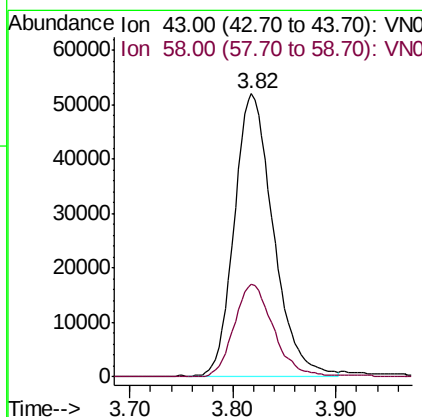
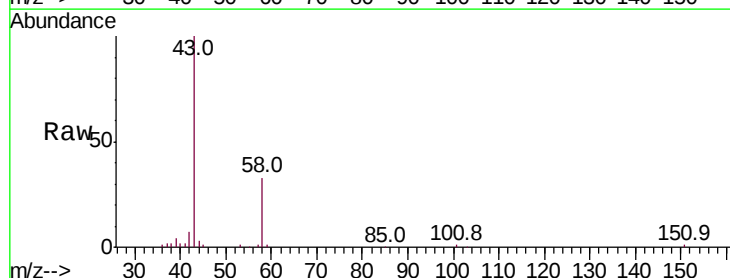
RT: 3.82 min Scan# 636

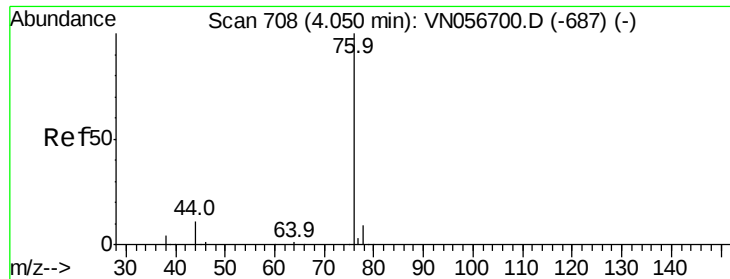
Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	43	Resp:	135682
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.7	40.1





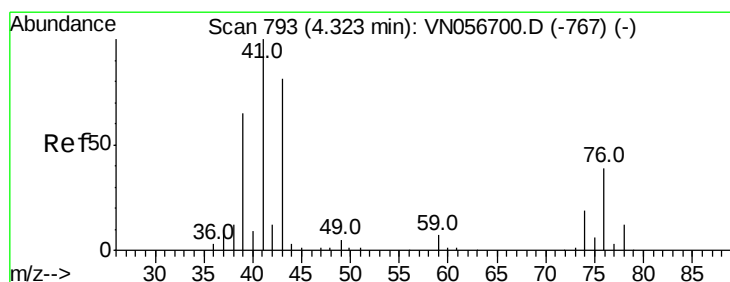
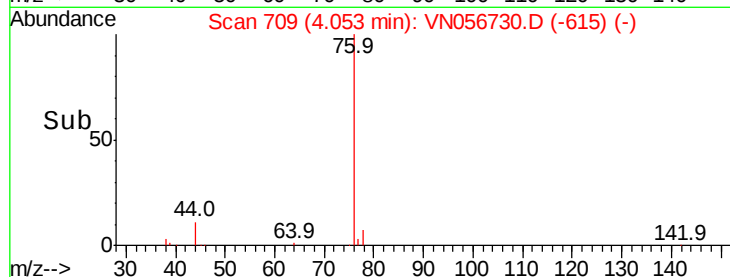
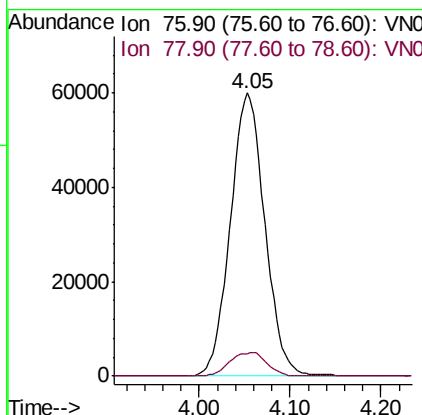
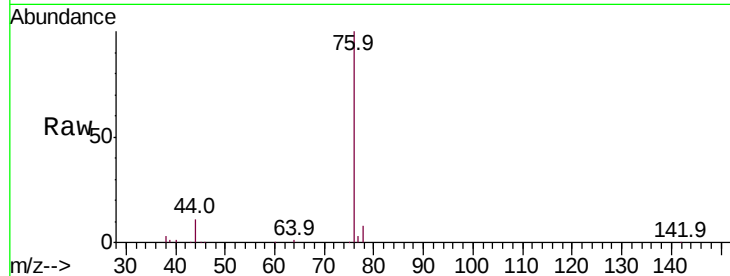
#17
Carbon Disulfide
Concen: 18.981 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 76 Resp: 157831
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0

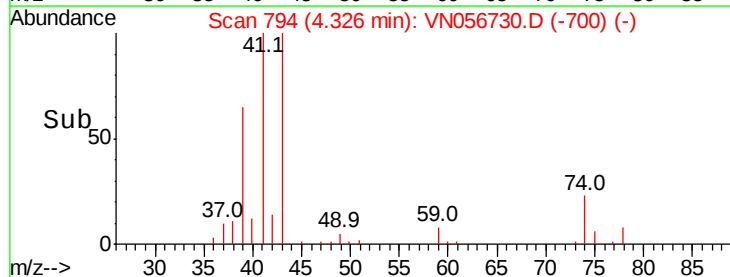
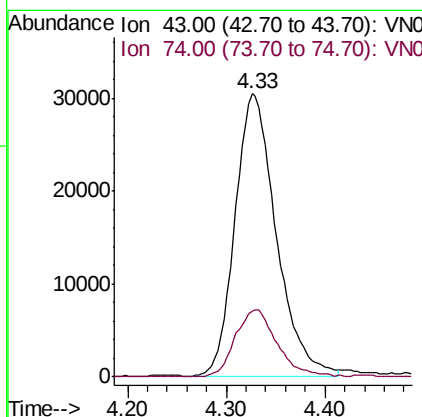
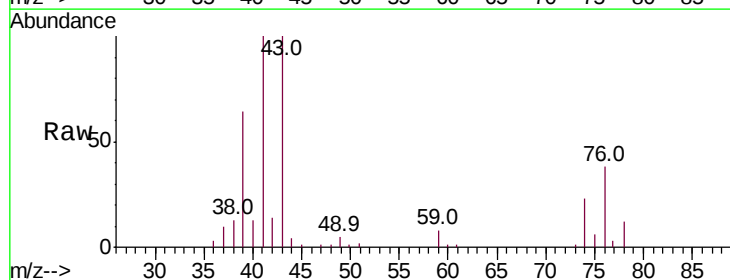
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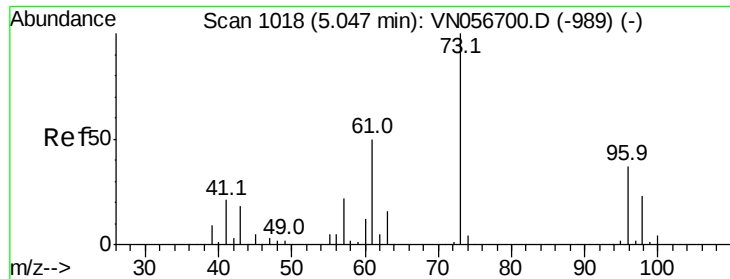
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#18
Methyl Acetate
Concen: 22.676 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 43 Resp: 88933
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3





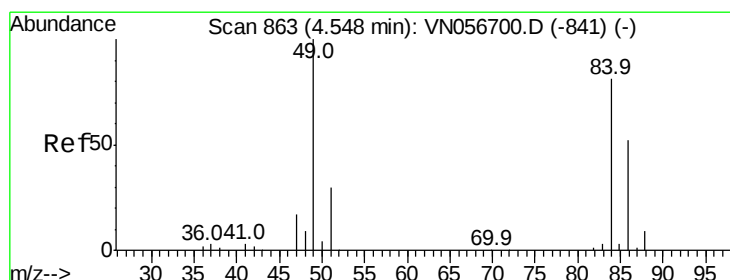
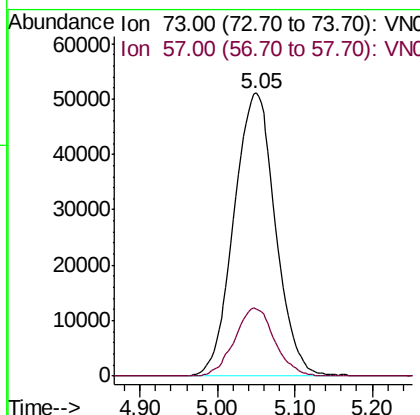
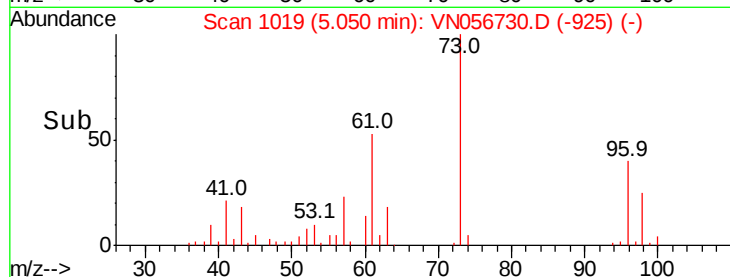
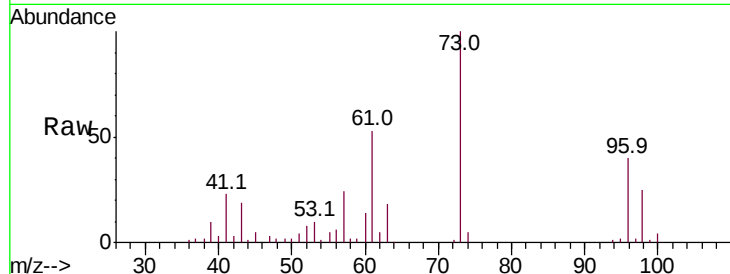
#19
Methyl tert-butyl Ether
Concen: 19.026 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 73 Resp: 190753
Ion Ratio Lower Upper
73 100
57 23.9 17.9 26.9

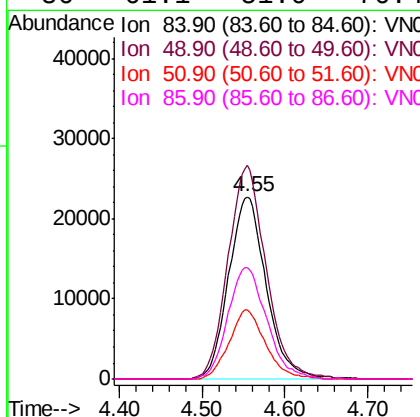
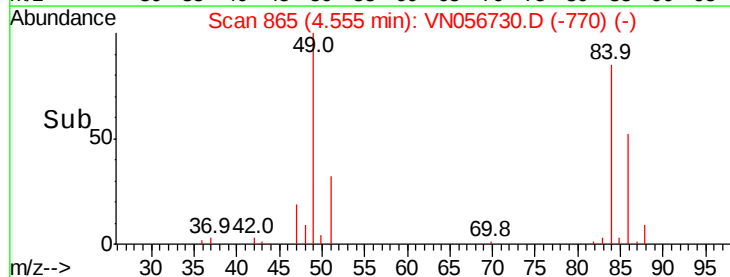
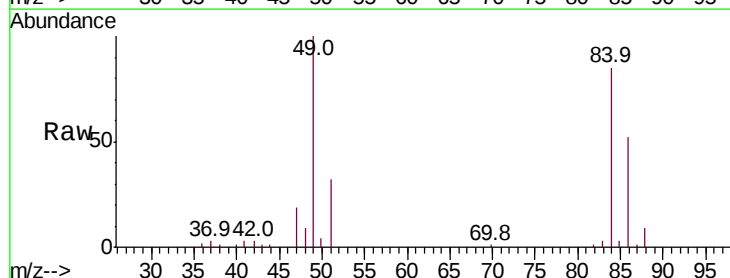
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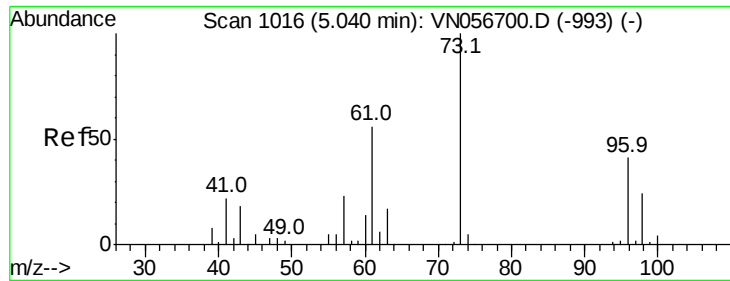
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#20
Methylene Chloride
Concen: 19.242 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 84 Resp: 71744
Ion Ratio Lower Upper
84 100
49 117.3 98.2 147.4
51 37.9 29.6 44.4
86 61.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.238 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 96 Resp: 67312

Ion Ratio Lower Upper

96 100

61 132.3 109.4 164.2

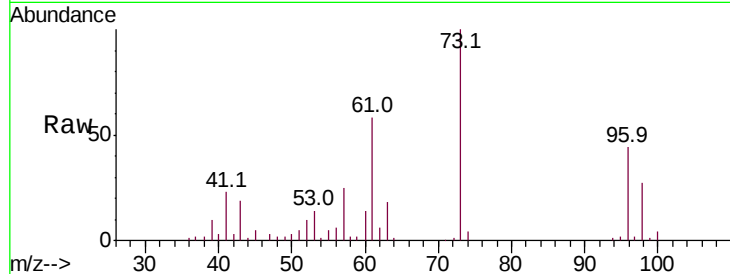
98 62.7 48.0 72.0

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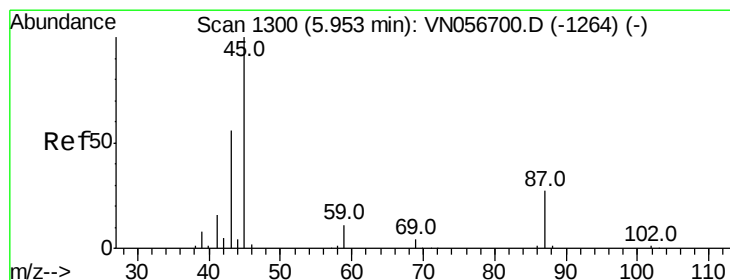
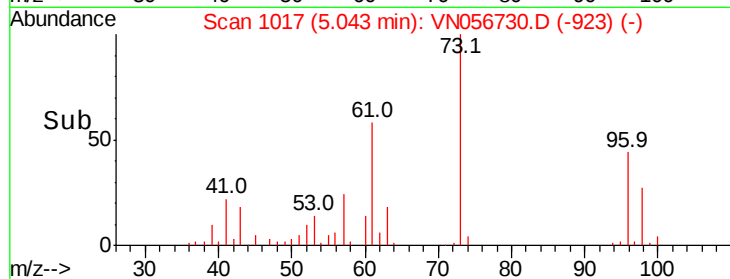
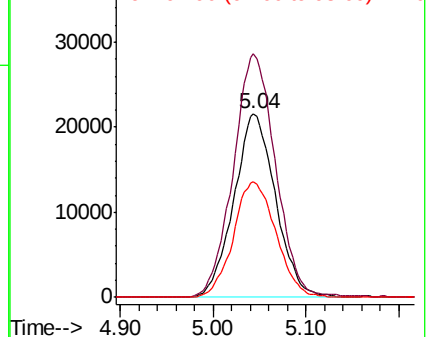


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.819 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion: 45 Resp: 212874

Ion Ratio Lower Upper

45 100

43 62.7 45.6 68.4

87 26.5 22.0 33.0

59 10.9 9.3 13.9

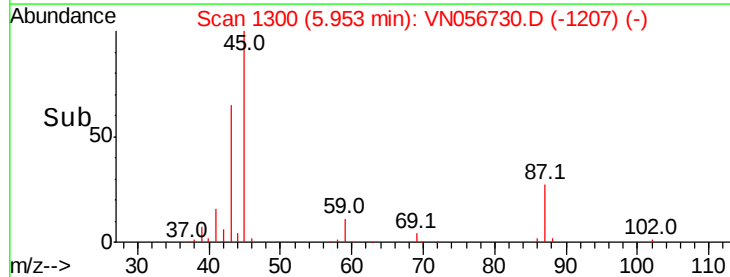
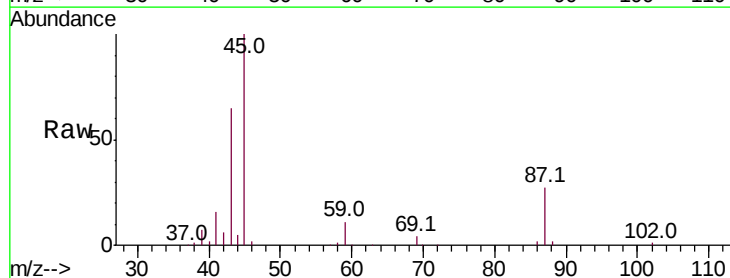
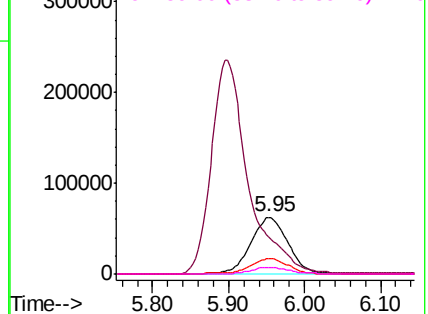
Abundance

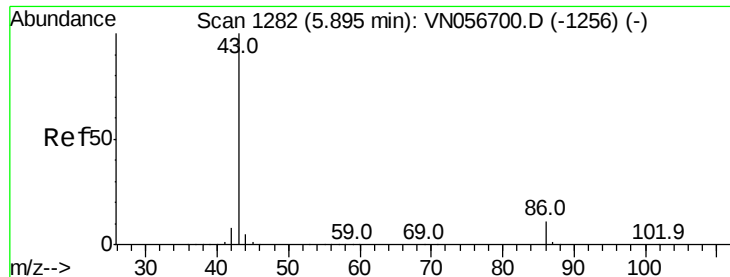
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





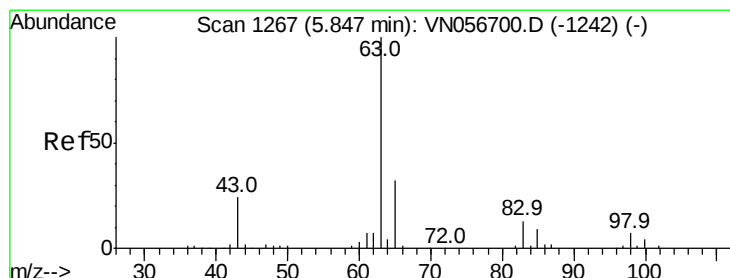
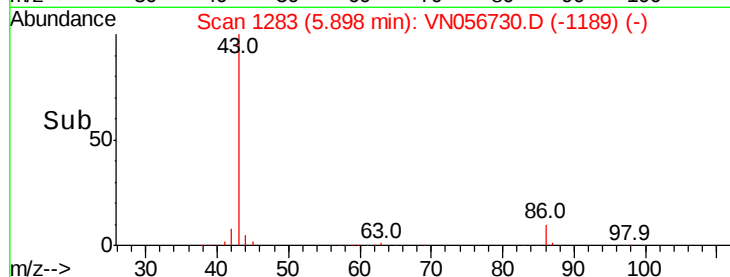
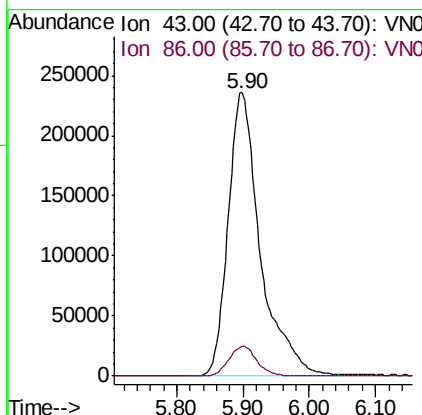
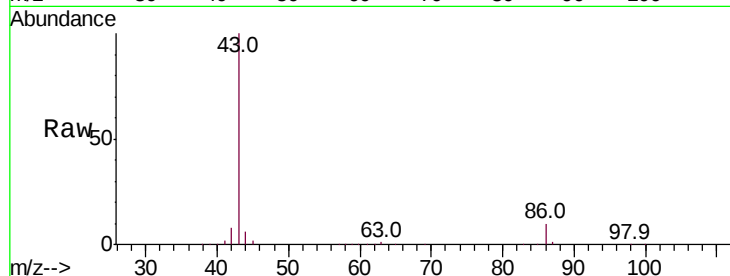
#23
 Vinyl Acetate
 Concen: 91.647 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7

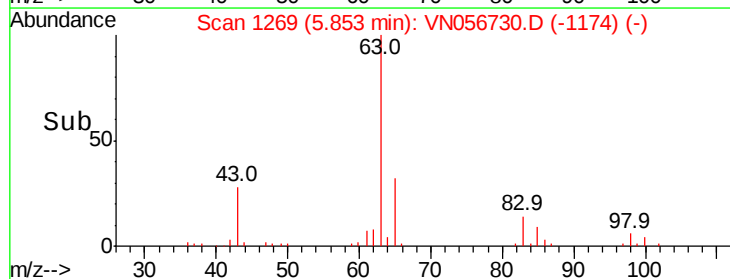
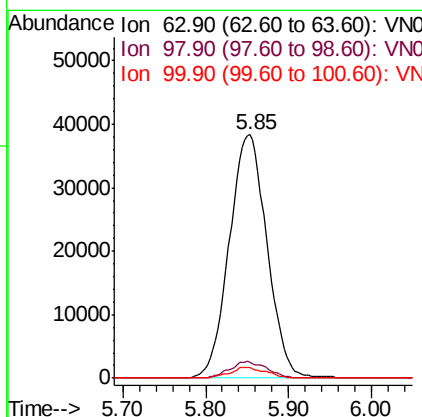
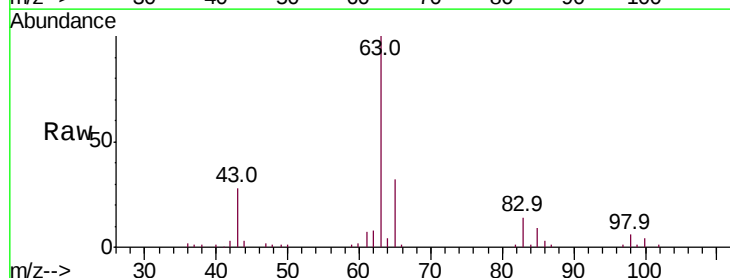
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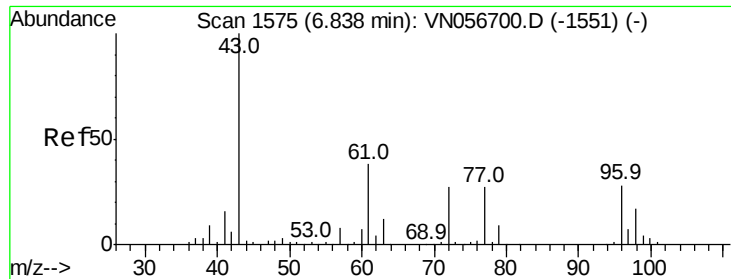
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#24
 1,1-Dichloroethane
 Concen: 19.470 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.9
100	4.2	2.0	5.8





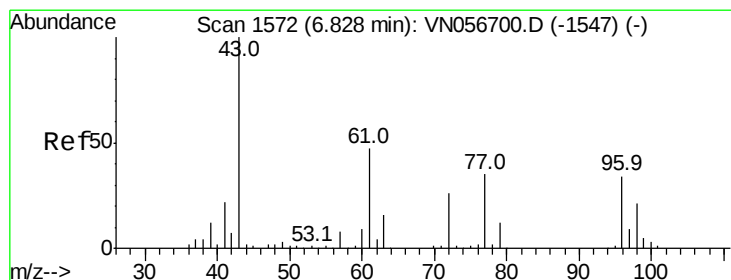
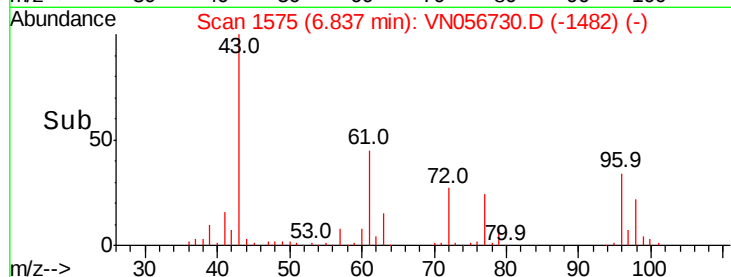
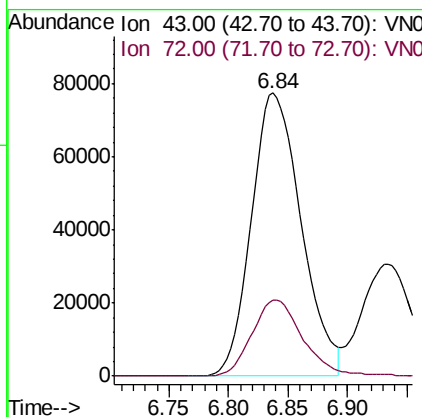
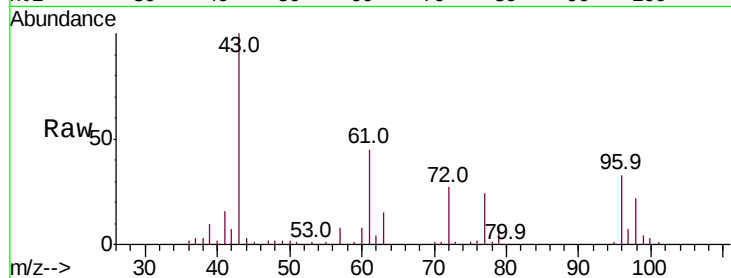
#25
2-Butanone
Concen: 90.185 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 43 Resp: 224963
Ion Ratio Lower Upper
43 100
72 26.8 21.2 31.8

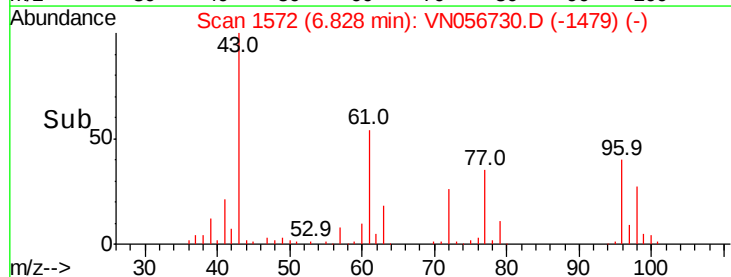
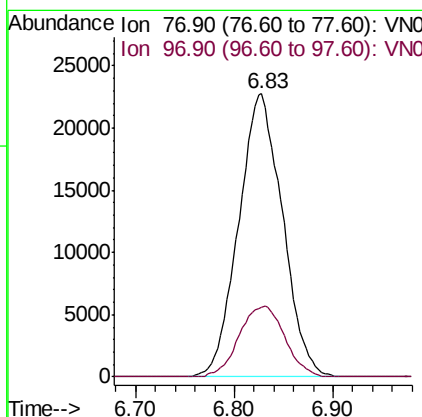
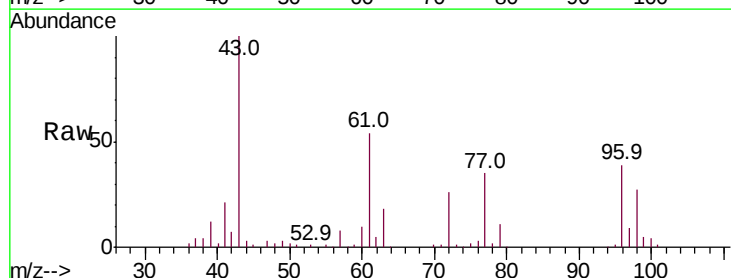
Manual Integrations
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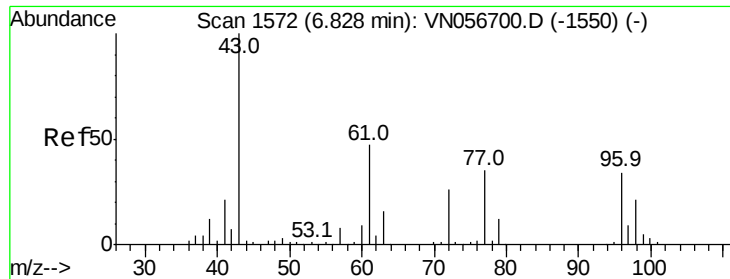
MMDadoda
7/17/2019 1:31:50 AM



#26
2,2-Dichloropropane
Concen: 15.604 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 77 Resp: 70066
Ion Ratio Lower Upper
77 100
97 26.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.181 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 96 Resp: 77236

Ion Ratio Lower Upper

96 100

61 136.6 0.0 281.4

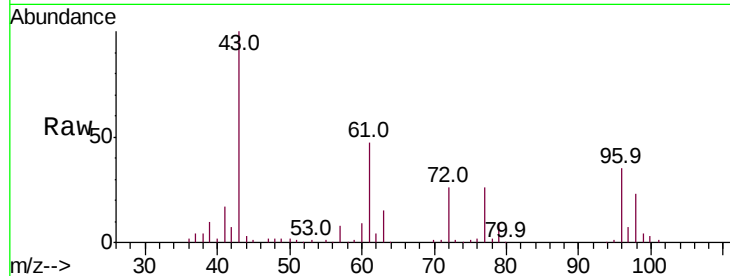
98 65.7 0.0 127.8

Manual Integrations

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MMDadoda

7/17/2019 1:31:50 AM

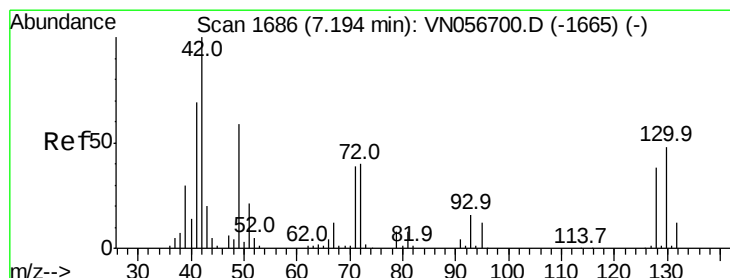
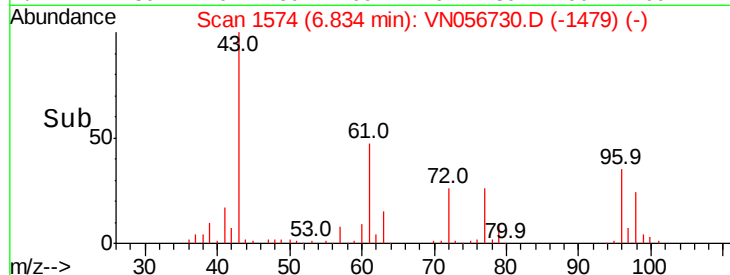
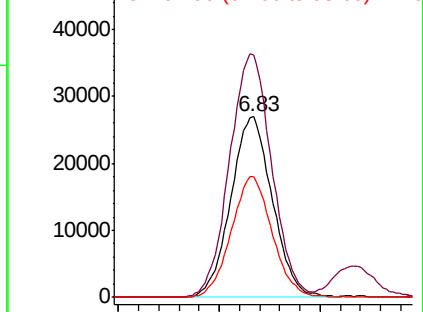


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.683 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

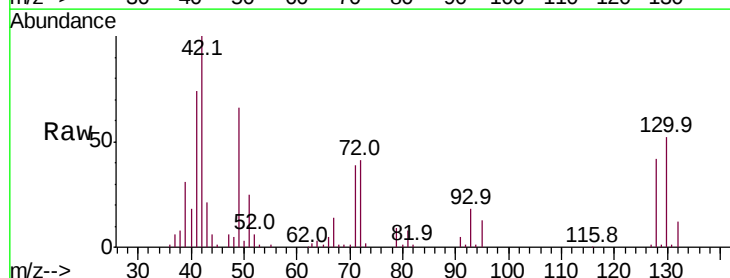
Tgt Ion: 49 Resp: 60559

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 80.5 64.7 97.1

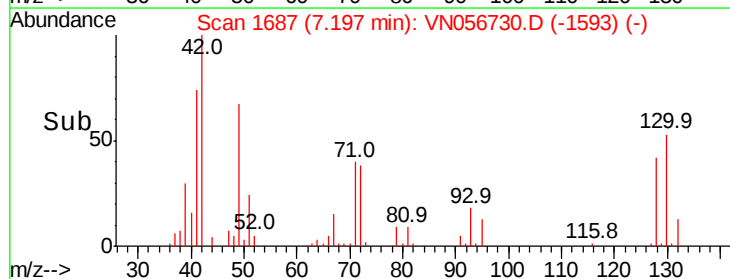
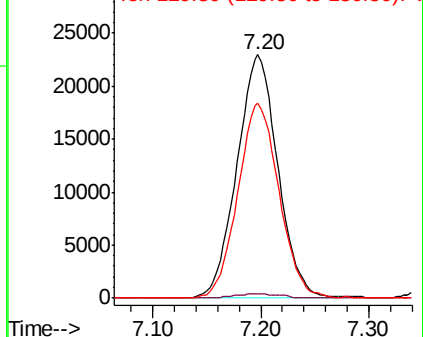


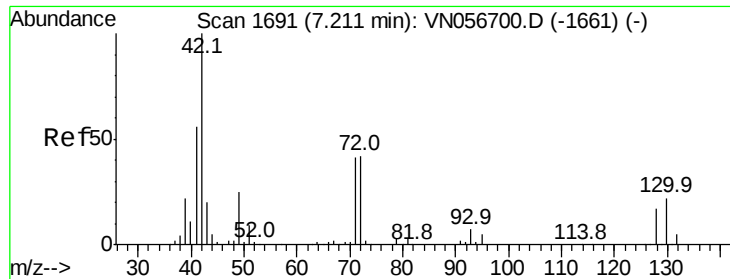
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





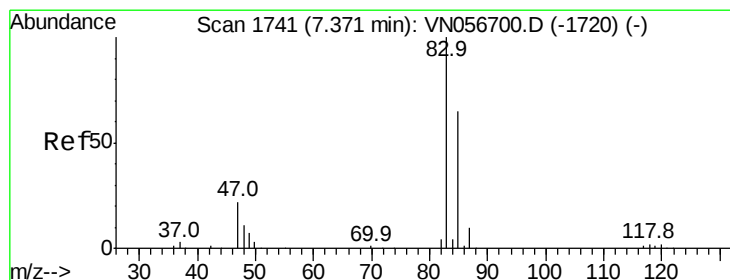
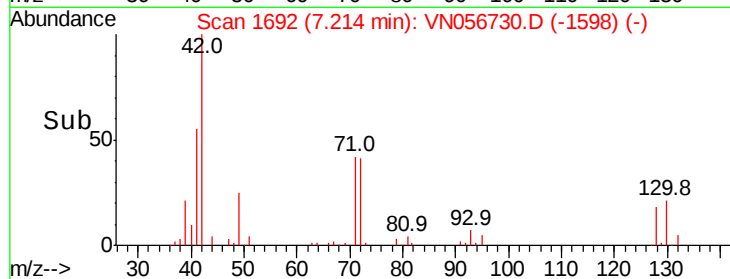
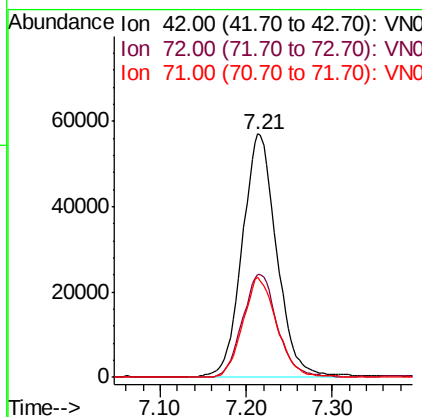
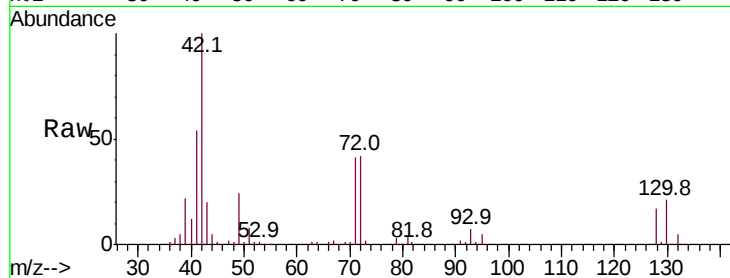
#29
Tetrahydrofuran
Concen: 97.670 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.5	50.3
71	40.1	31.8	47.8

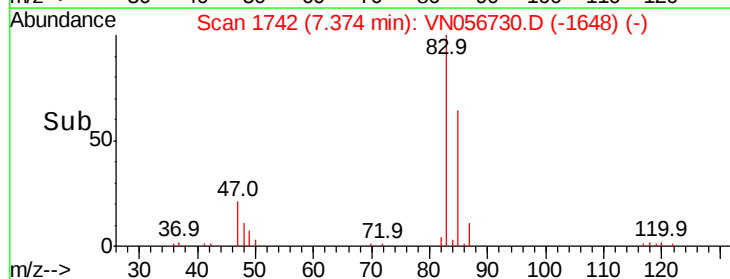
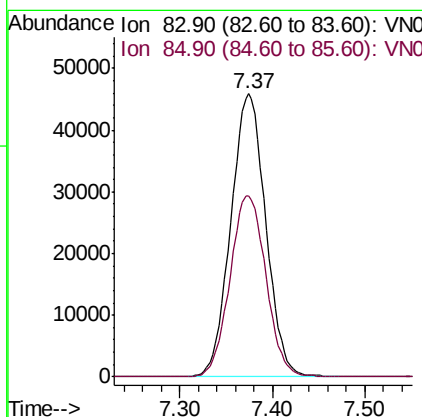
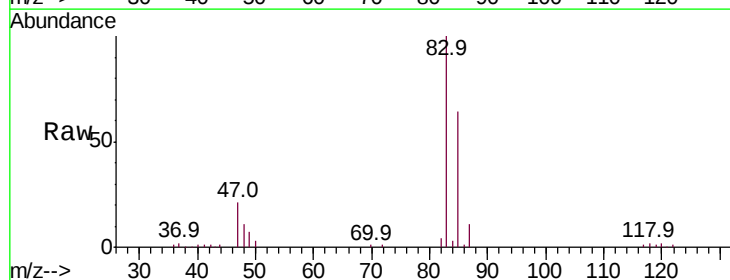
Manual Integrations
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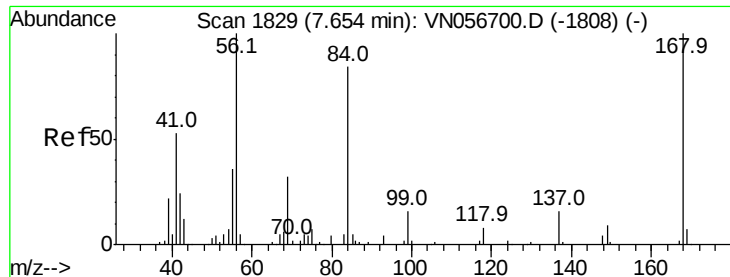
MMDadoda
7/17/2019 1:31:50 AM



#30
Chloroform
Concen: 19.211 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9





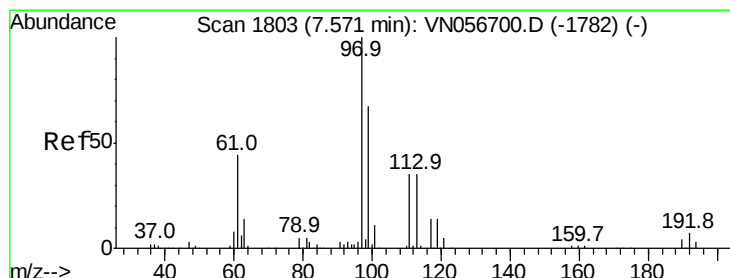
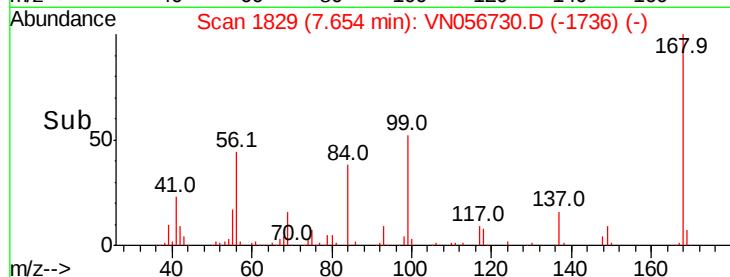
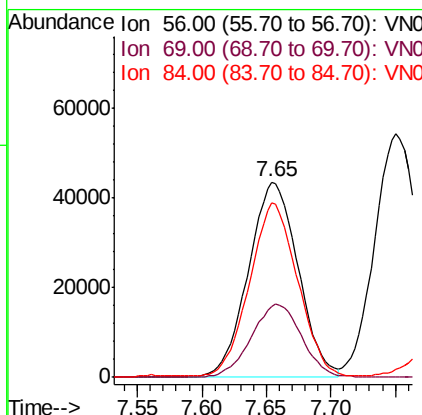
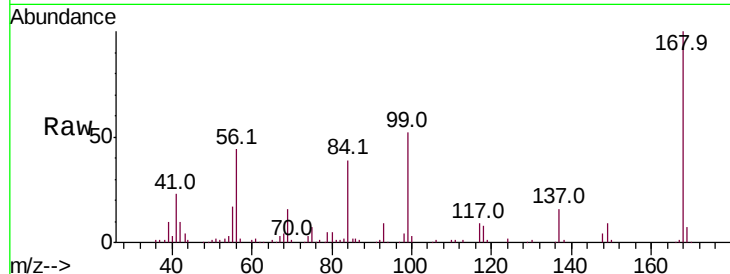
#31
Cyclohexane
Concen: 19.773 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampled :
VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.8	38.8
84	88.3	67.4	101.0

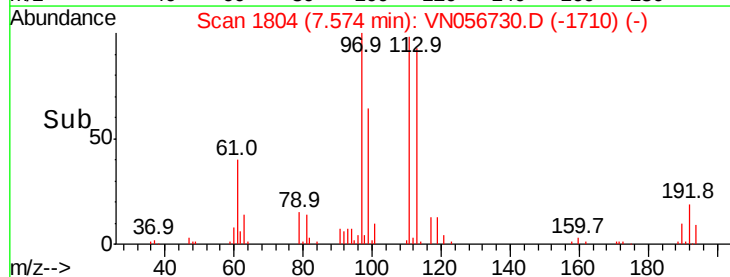
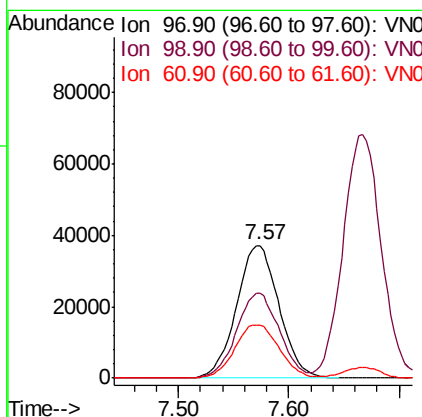
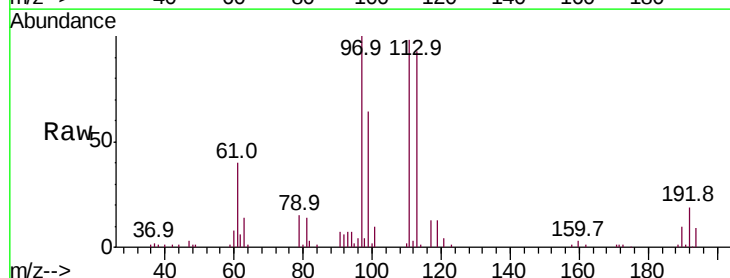
Manual Integrations
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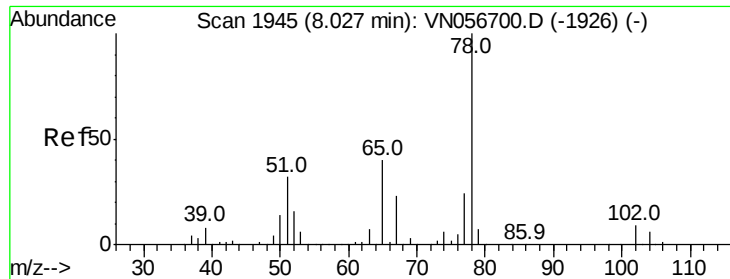
MMDadoda
7/17/2019 1:31:50 AM



#32
1,1,1-Trichloroethane
Concen: 20.028 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	42.1	34.3	51.5





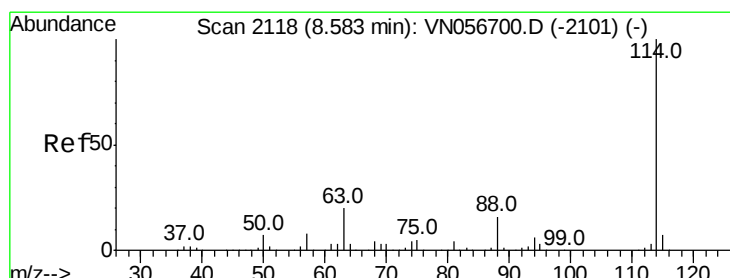
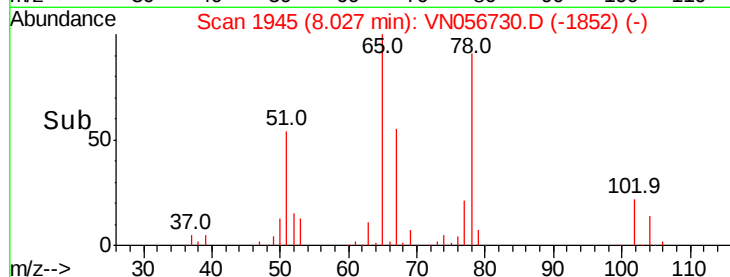
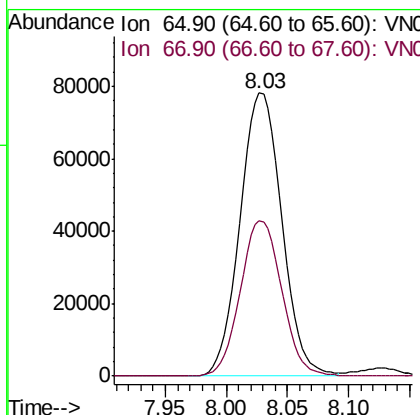
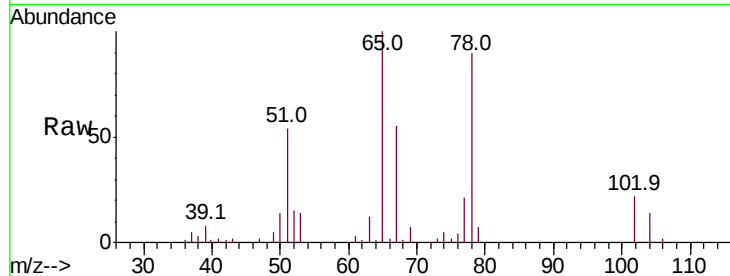
#33
 1,2-Dichloroethane-d4
 Concen: 50.032 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185241		
67	54.7	0.0	109.0	

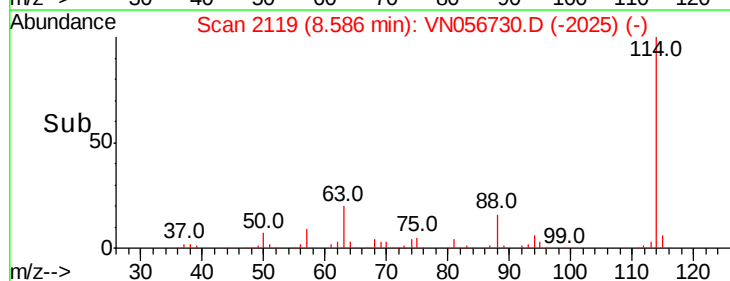
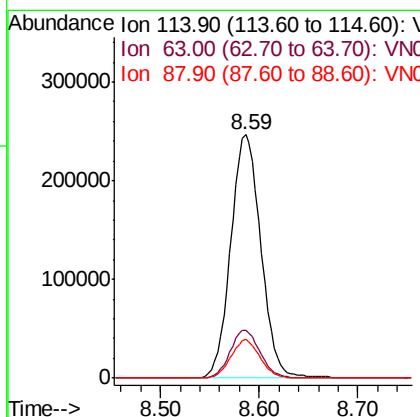
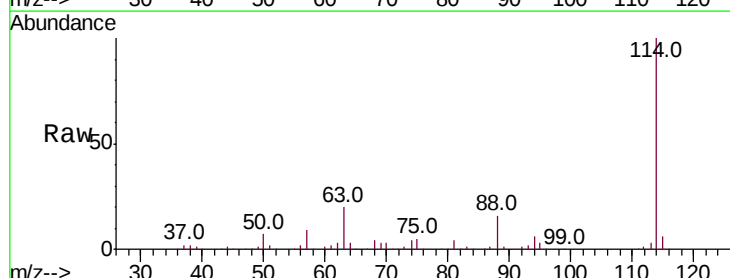
Manual Integrations
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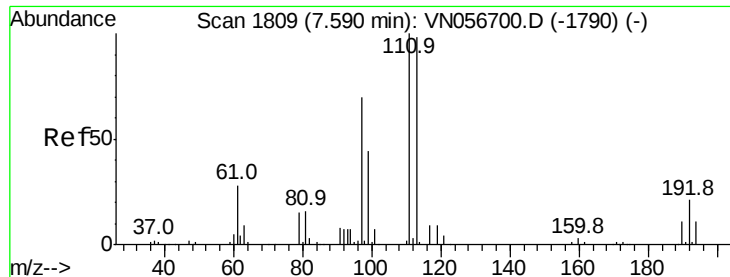
MMDadoda
 7/17/2019 1:31:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	522188		
63	19.5	0.0	39.4	
88	15.8	0.0	31.2	





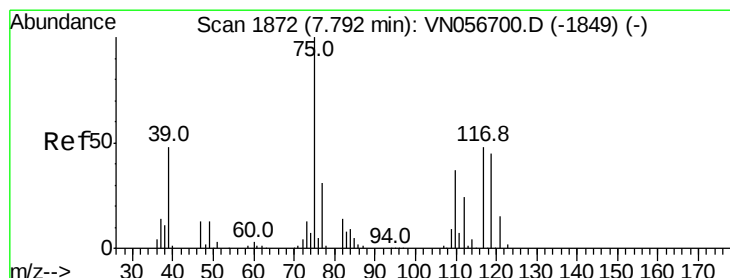
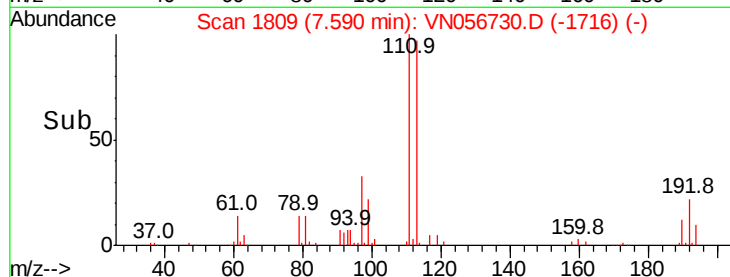
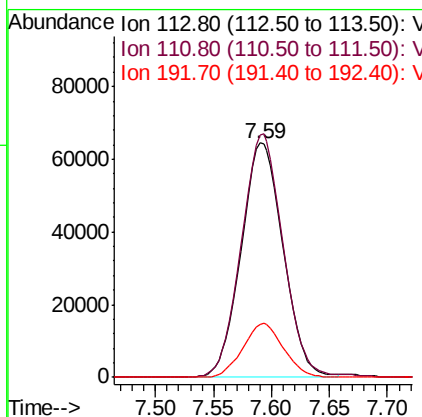
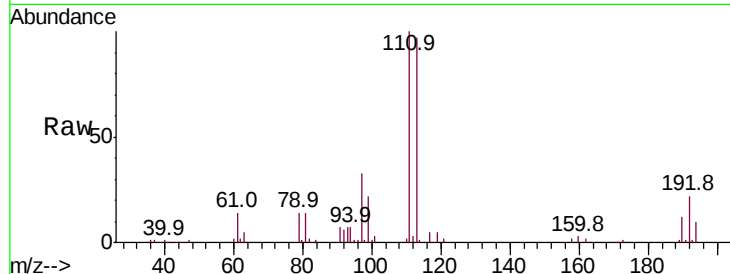
#35
 Dibromofluoromethane
 Concen: 50.115 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	81.8	122.6	
192	22.2	17.5	26.3	

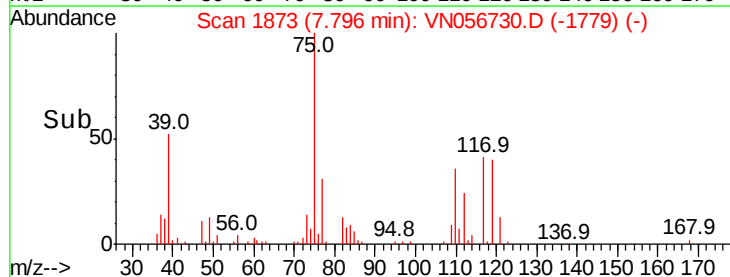
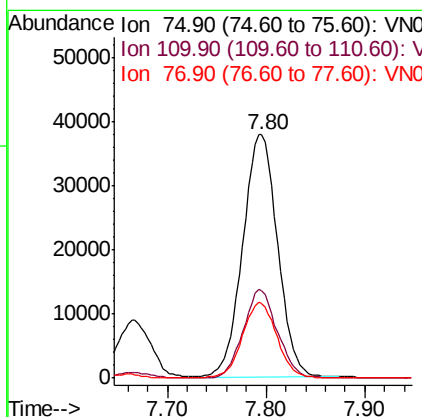
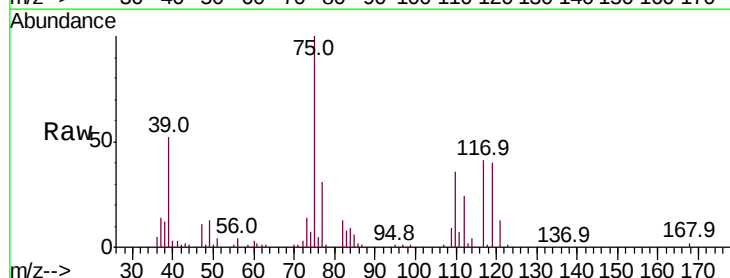
Manual Integrations
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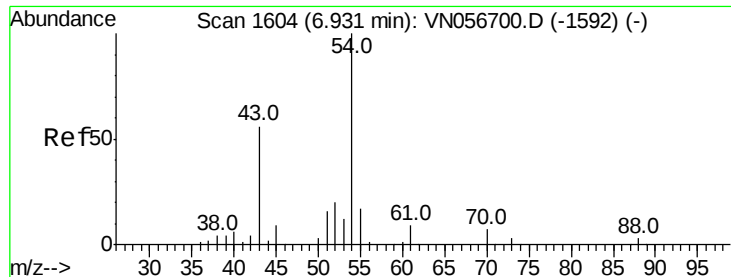
MMDadoda
 7/17/2019 1:31:50 AM



#36
 1,1-Dichloropropene
 Concen: 19.227 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	18.4	55.4	
77	30.6	24.6	36.8	





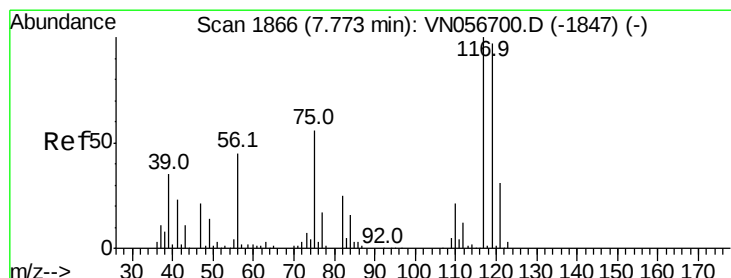
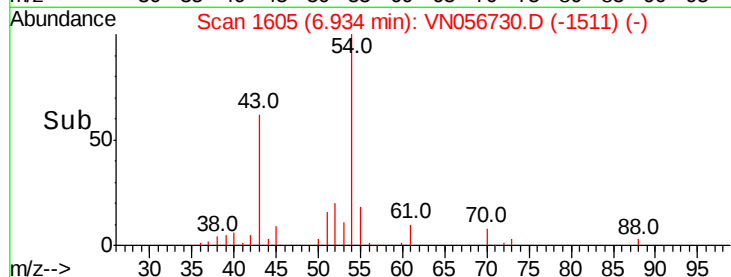
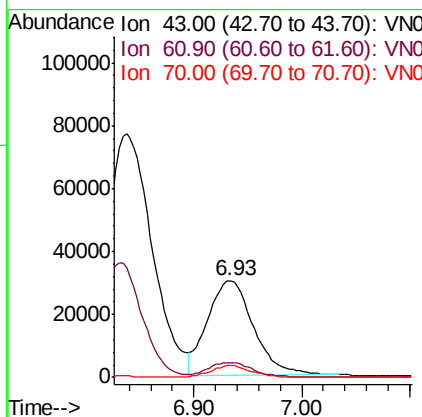
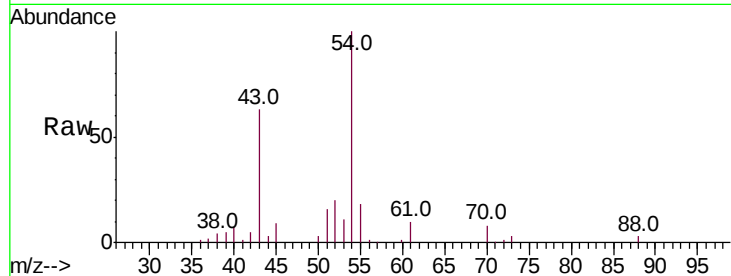
#37
Ethyl Acetate
Concen: 18.924 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	10.8	8.5	12.7

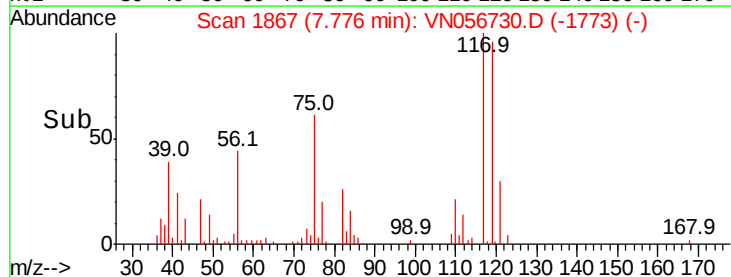
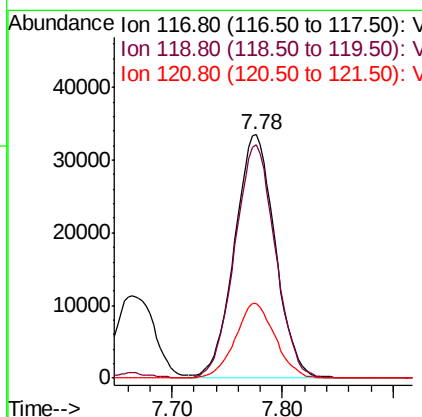
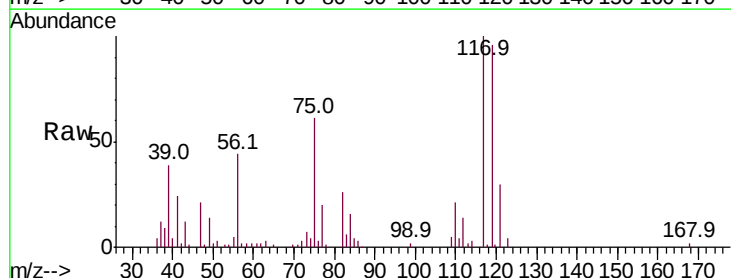
Manual Integrations
APPROVED

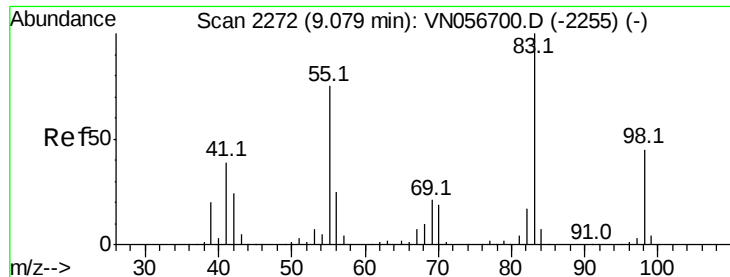
MMDadoda
7/17/2019 1:31:50 AM



#38
Carbon Tetrachloride
Concen: 18.859 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
121	30.4	24.7	37.1





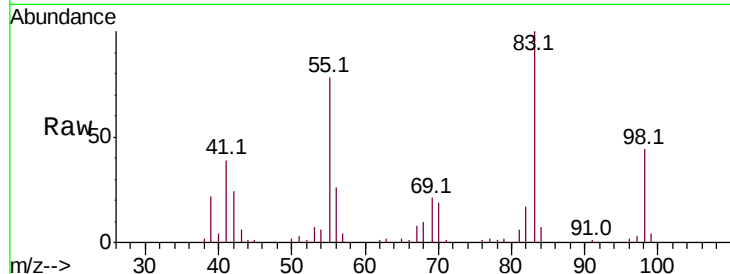
#39
Methvlcvclohexane
Concen: 18.476 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

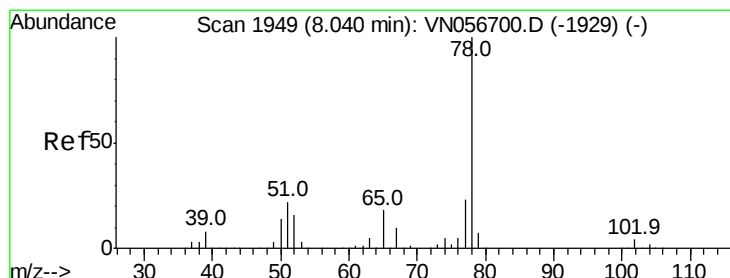
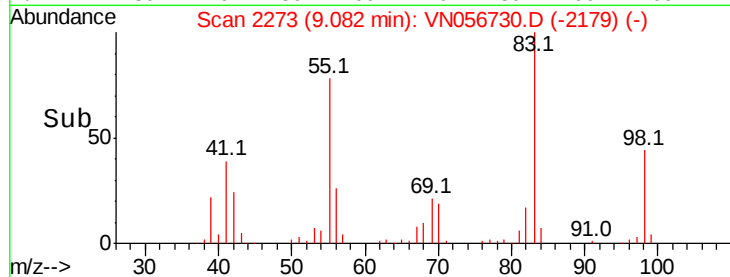
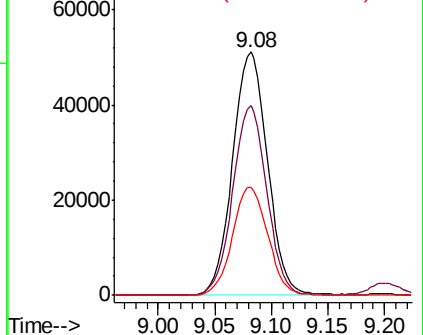
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.4	90.6
98	44.3	35.8	53.8

Manual Integrations
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MMDadoda
7/17/2019 1:31:50 AM

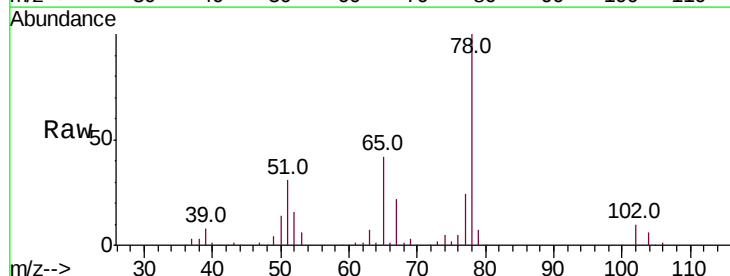


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

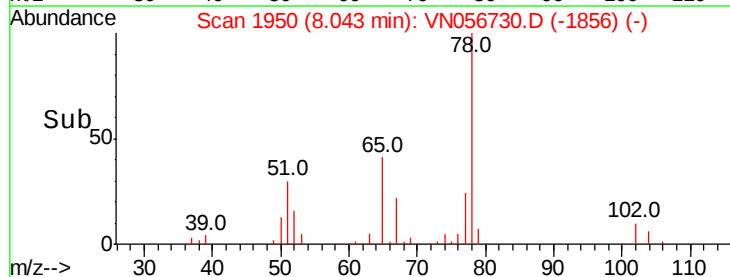
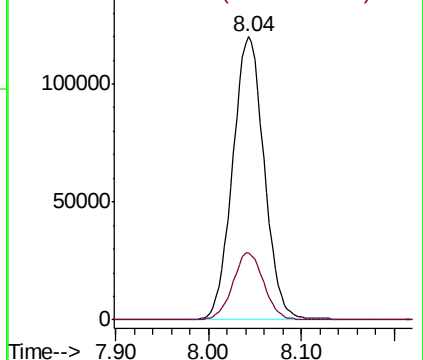


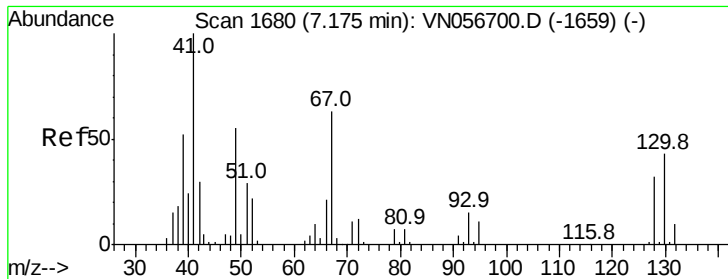
#40
Benzene
Concen: 19.151 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 20.787 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 41 Resp: 43485

Ion Ratio Lower Upper

41 100

39 55.6 0.0 0.0#

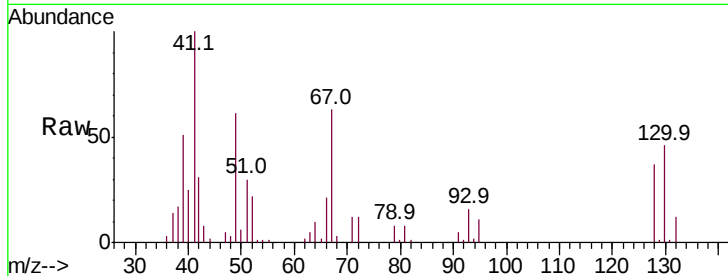
67 86.6 0.0 0.0#

52 35.2 0.0 0.0#

Manual Integrations
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MMDadoda

7/17/2019 1:31:50 AM



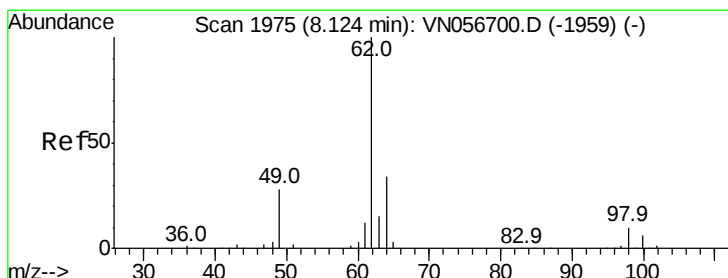
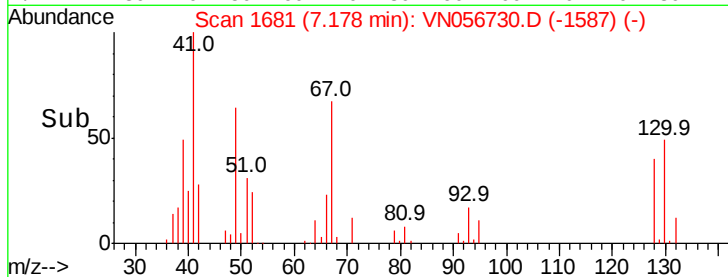
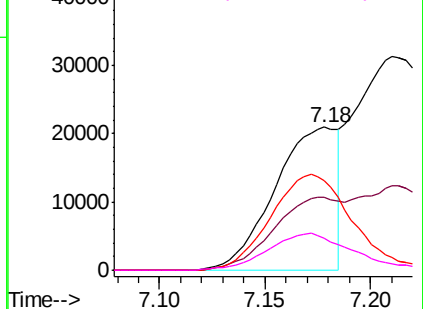
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.560 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056730.D

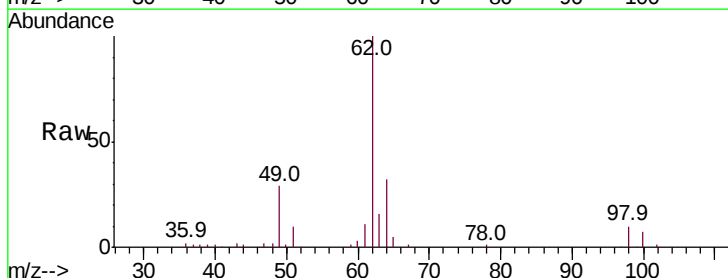
Acq: 15 Jul 2019 23:01

Tgt Ion: 62 Resp: 91530

Ion Ratio Lower Upper

62 100

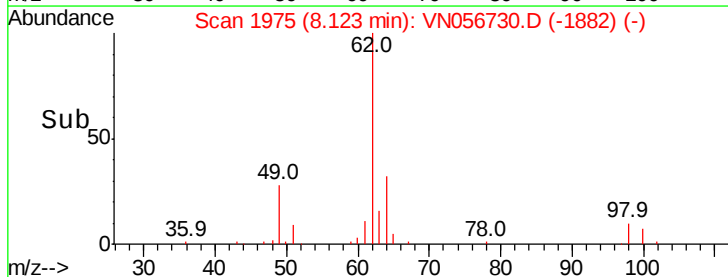
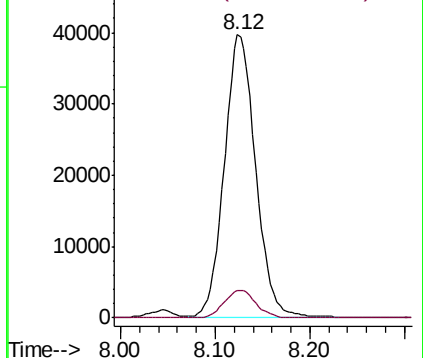
98 9.8 0.0 19.8

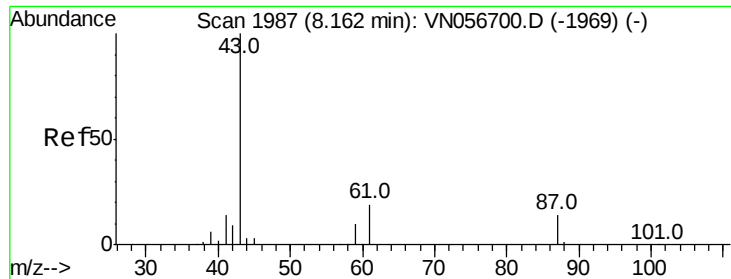


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 18.676 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

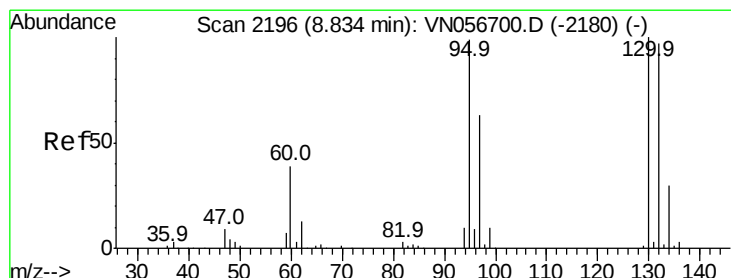
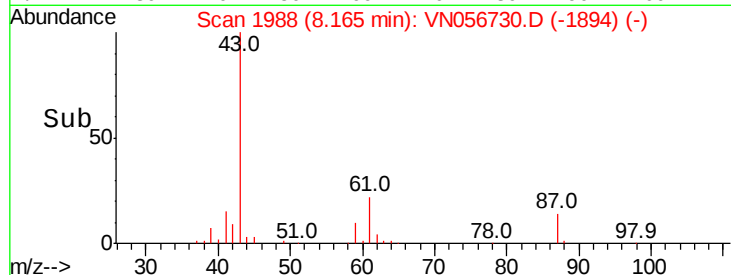
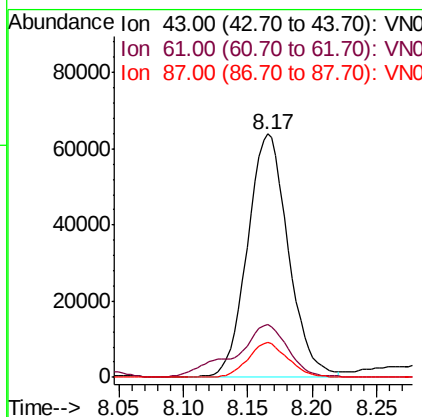
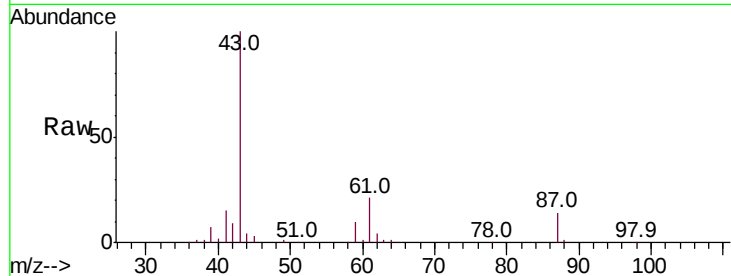
ClientSampleId :

VN0715WBSD02

Tot Ion:	43	Resp:	139830
Ion	Ratio	Lower	Upper
43	100		
61	22.4	22.3	33.5
87	14.1	11.1	16.7

Manual Integrations
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MMDadoda
7/17/2019 1:31:50 AM



#44

Trichloroethene

Concen: 19.316 ug/l

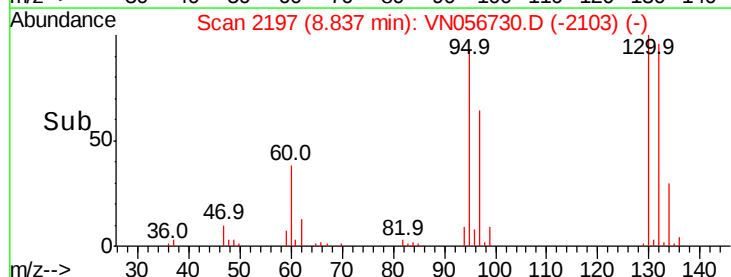
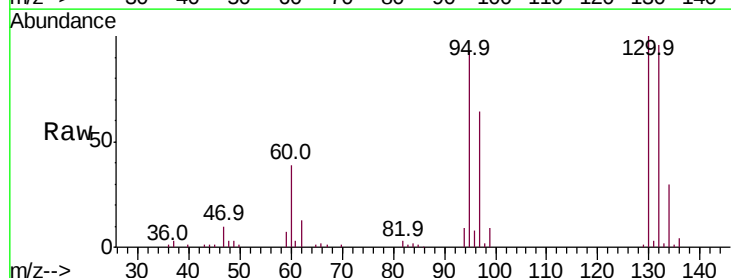
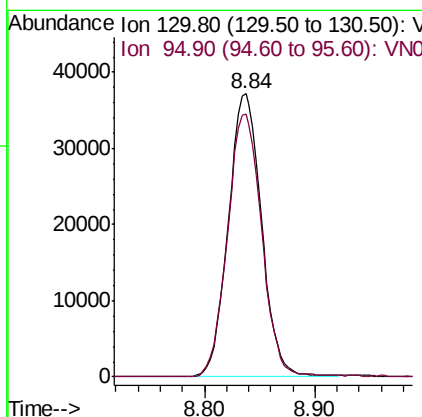
RT: 8.84 min Scan# 2197

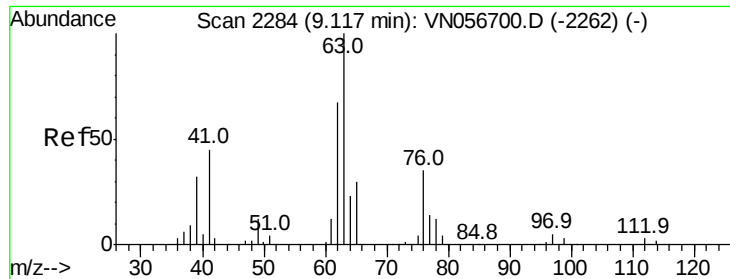
Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	130	Resp:	77664
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	197.2





#45

1,2-Dichloropropane

Concen: 19.274 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 63 Resp: 75826

Ion Ratio Lower Upper

63 100

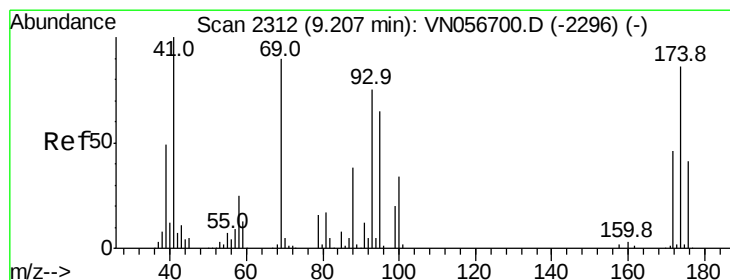
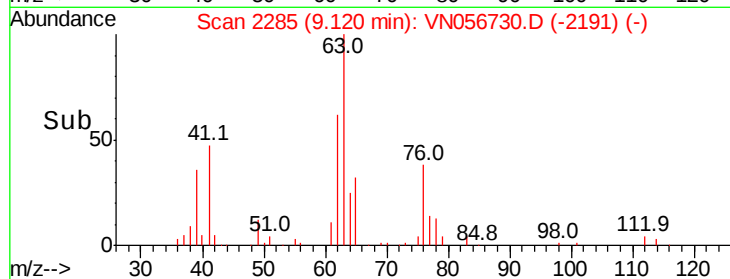
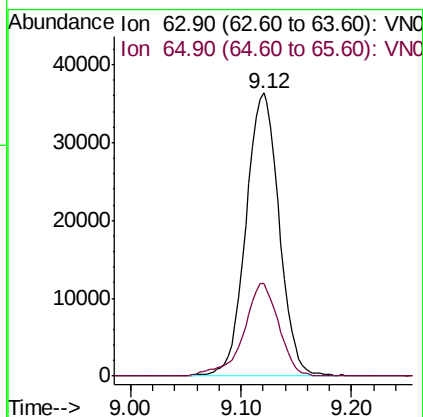
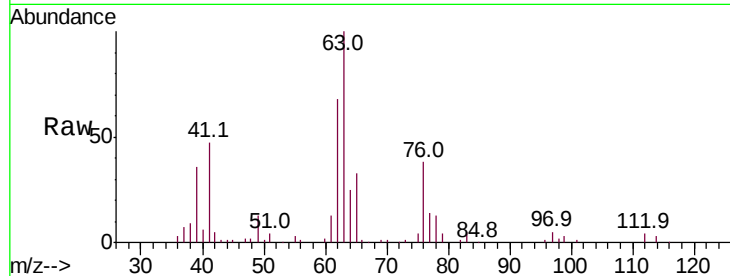
65 32.9 24.0 36.0

Manual Integrations

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MMDadoda

7/17/2019 1:31:50 AM



#46

Dibromomethane

Concen: 19.914 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

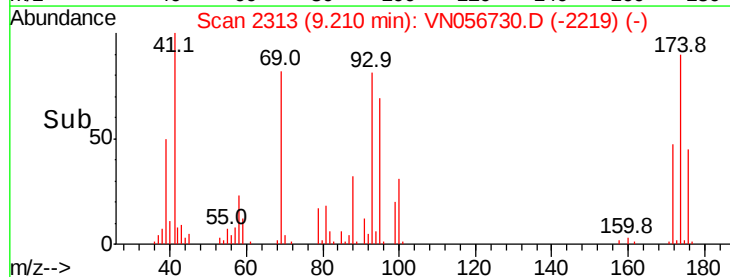
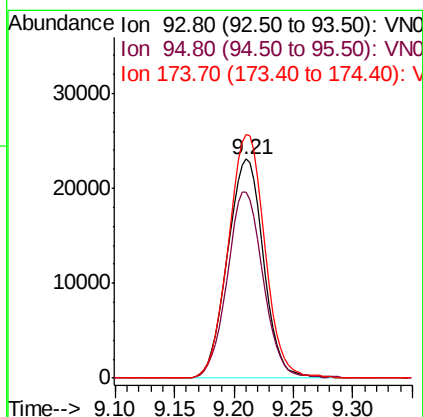
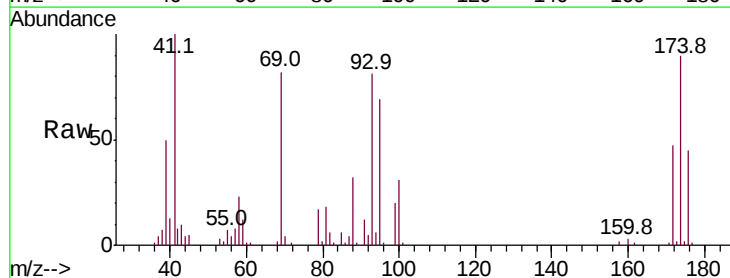
Tgt Ion: 93 Resp: 48550

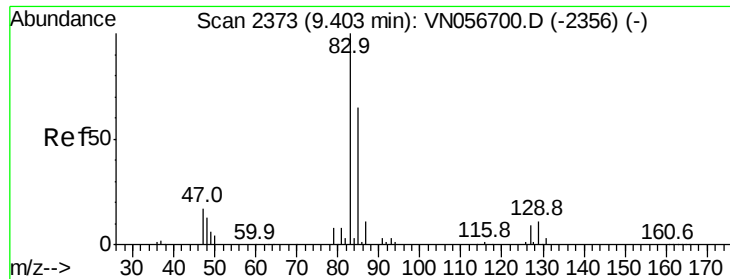
Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

174 112.3 90.3 135.5





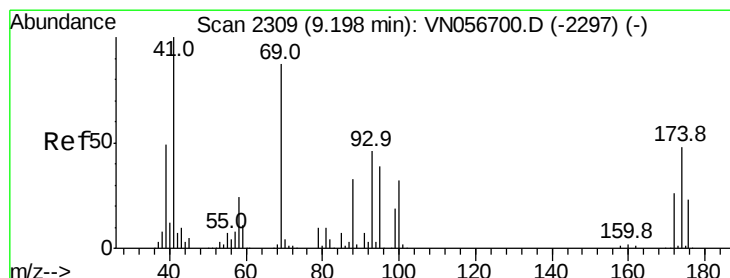
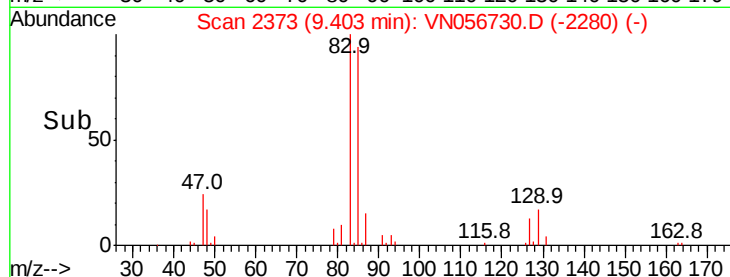
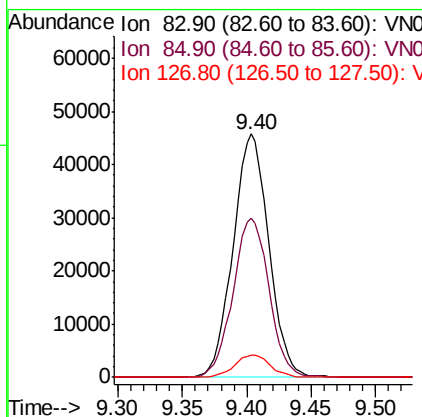
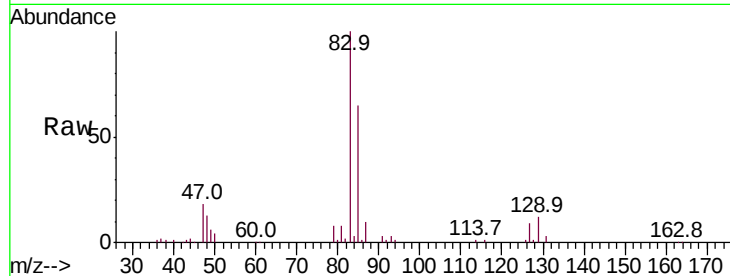
#47
Bromodichloromethane
Concen: 19.037 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	83	Resp	88197
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	52.3	78.5
127	9.0	7.6	11.4

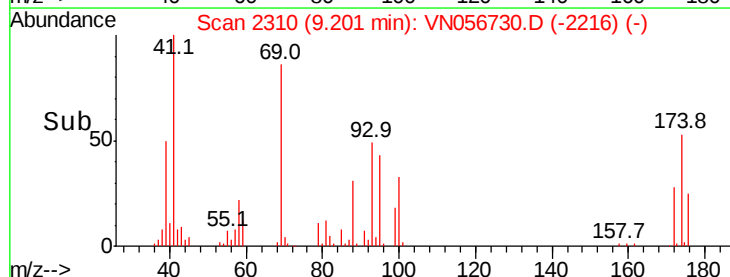
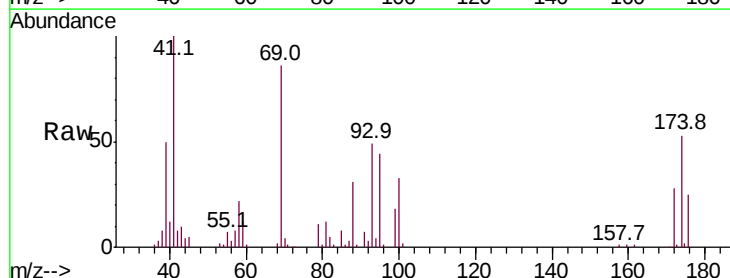
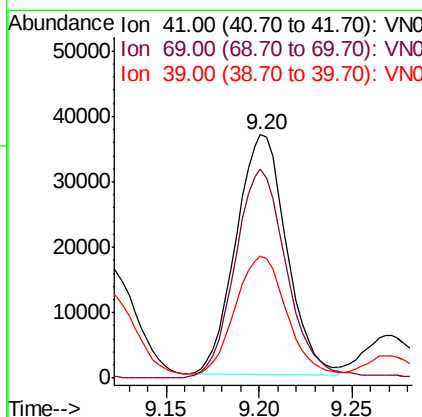
Manual Integrations
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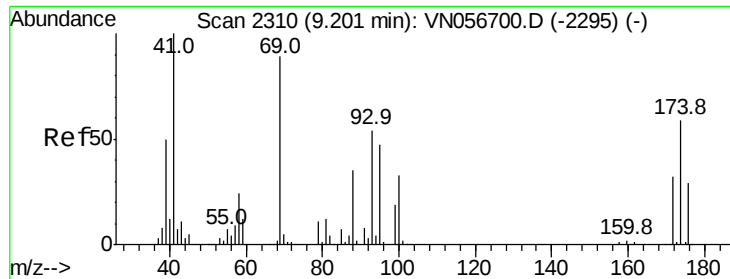
MMDadoda
7/17/2019 1:31:50 AM



#48
Methyl methacrylate
Concen: 19.242 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	41	Resp	69674
Ion Ratio	100	Lower	Upper
41	100		
69	89.8	71.4	107.0
39	52.3	41.2	61.8





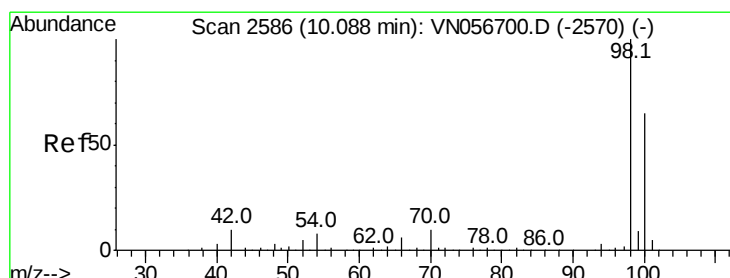
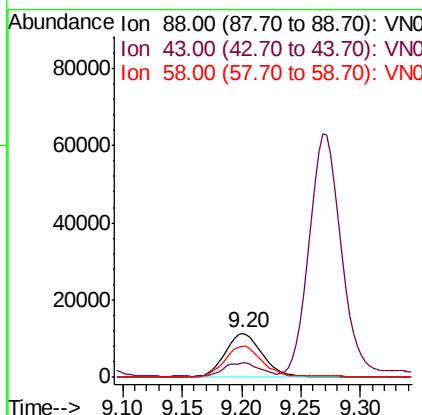
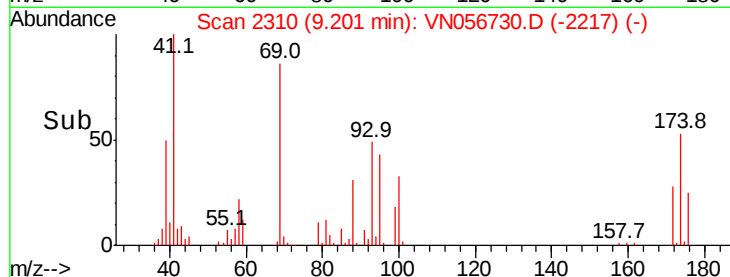
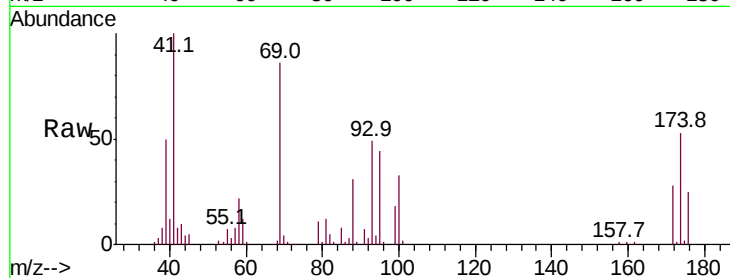
#49
1,4-Dioxane
Concen: 336.236 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	88	Resp	24981
Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.7	35.5
58	70.5	55.6	83.4

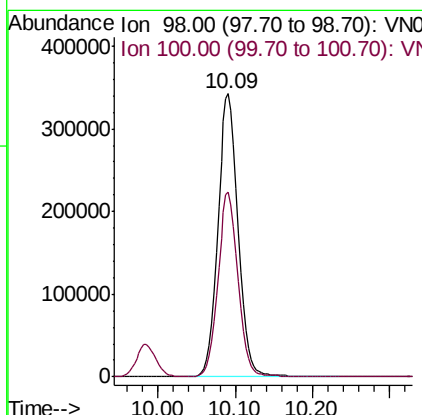
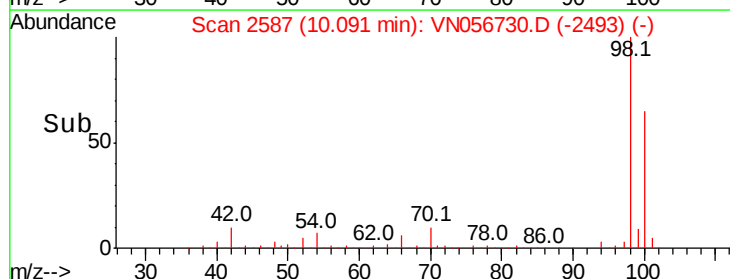
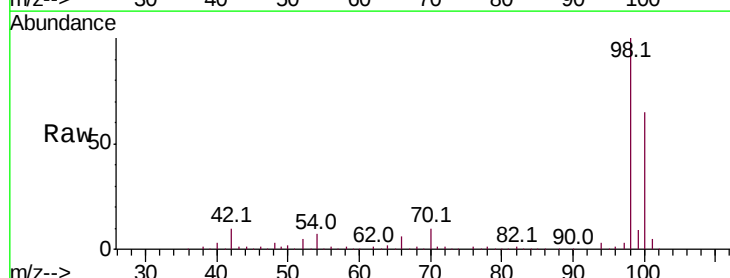
Manual Integrations
APPROVED

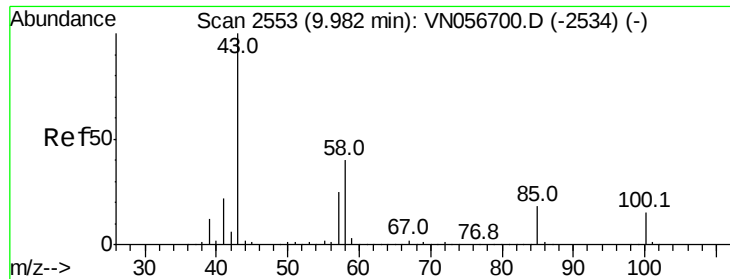
MMDadoda
7/17/2019 1:31:50 AM



#50
Toluene-d8
Concen: 50.005 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	98	Resp	627615
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





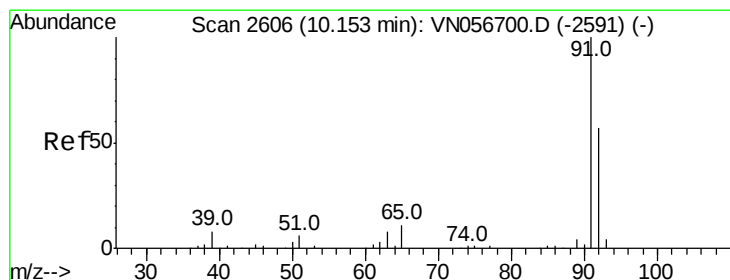
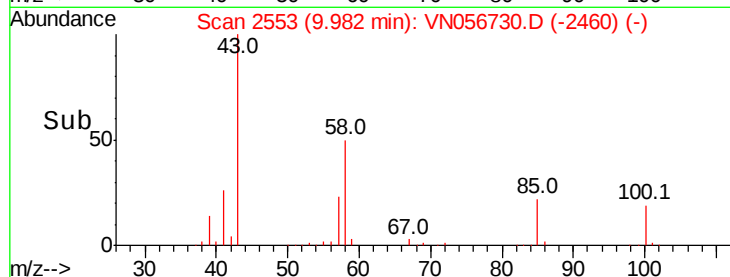
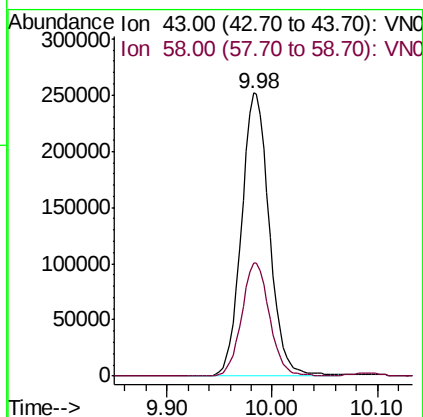
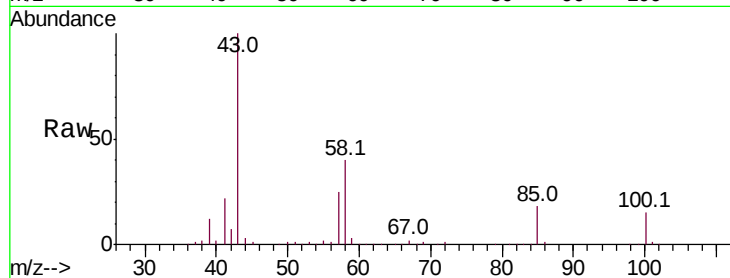
#51
4-Methyl-2-Pentanone
Concen: 94.895 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 43 Resp: 460170
Ion Ratio Lower Upper
43 100
58 40.3 32.0 48.0

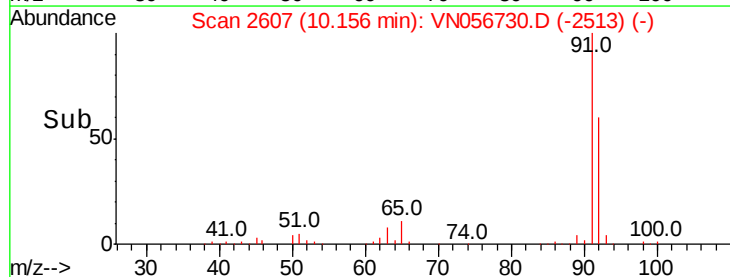
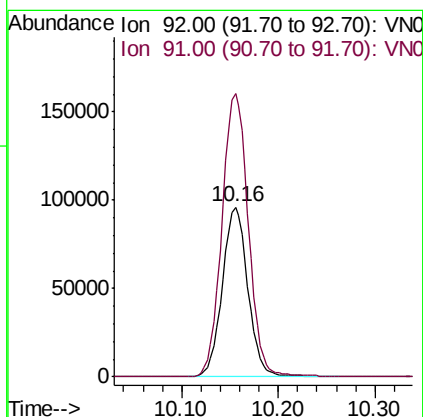
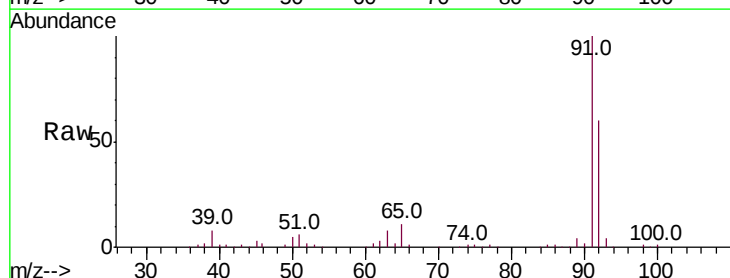
Manual Integrations
APPROVED

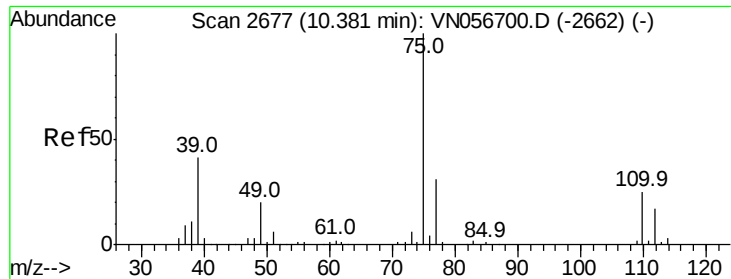
MMDadoda
7/17/2019 1:31:50 AM



#52
Toluene
Concen: 20.119 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 92 Resp: 176907
Ion Ratio Lower Upper
92 100
91 172.3 139.9 209.9





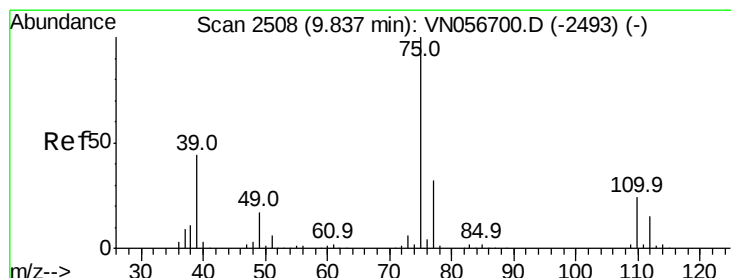
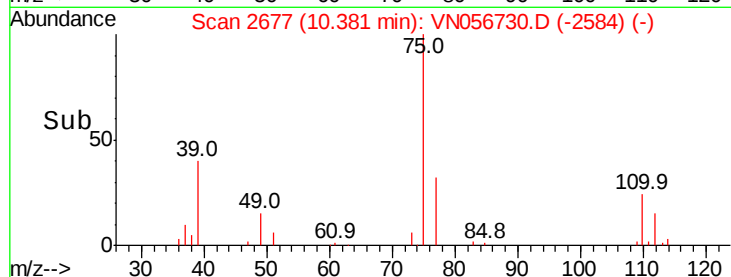
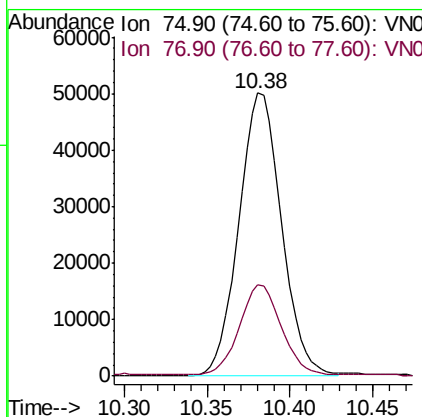
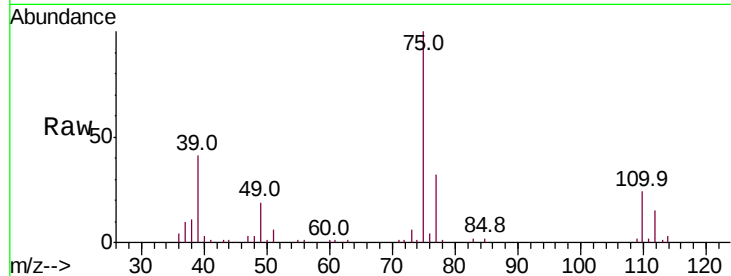
#53
t-1,3-Dichloropropene
Concen: 18.559 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 75 Resp: 89705
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

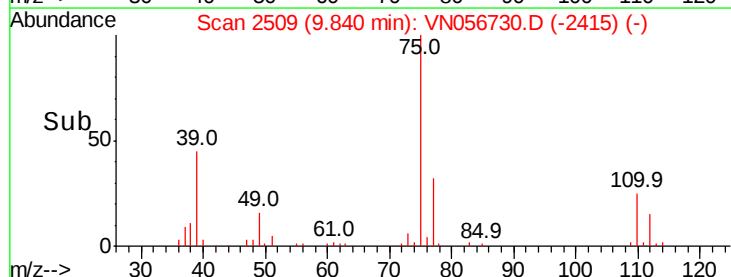
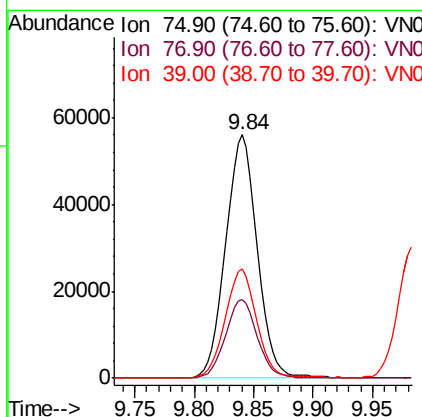
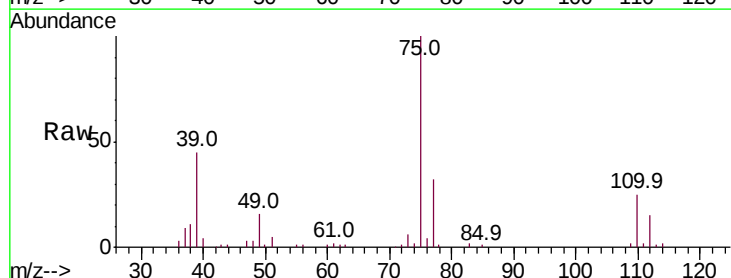
Manual Integrations
APPROVED

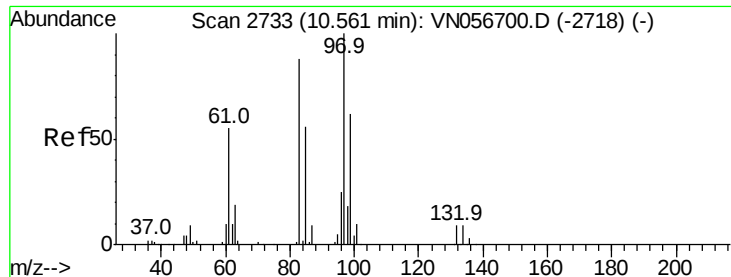
MMDadoda
7/17/2019 1:31:50 AM



#54
cis-1,3-Dichloropropene
Concen: 18.344 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 75 Resp: 102889
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
39 45.0 35.1 52.7





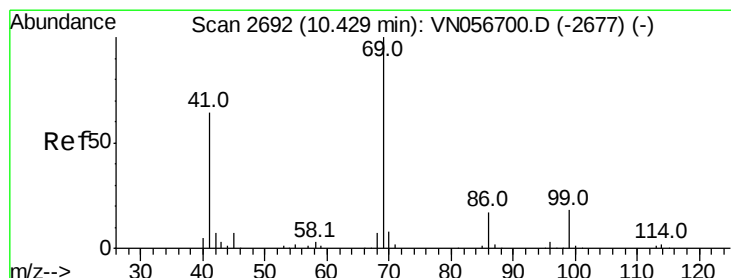
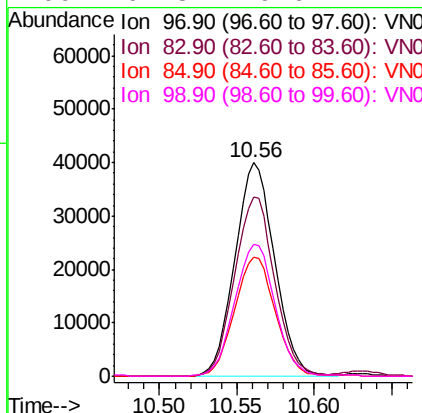
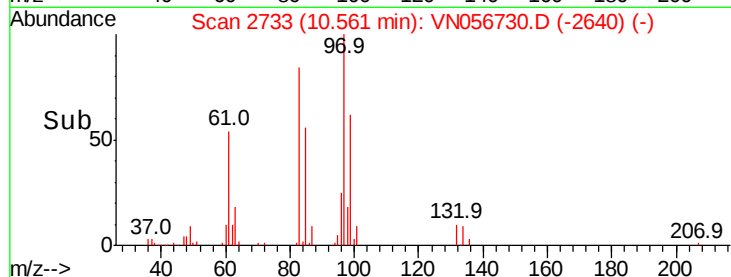
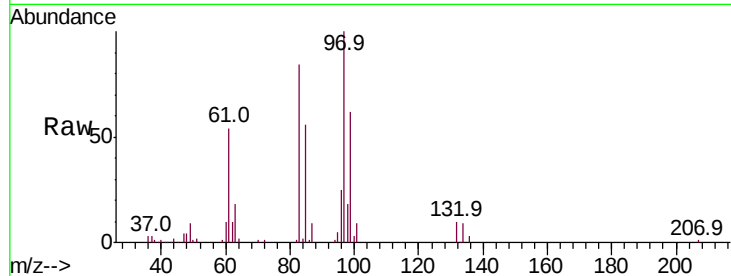
#55
 1,1,2-Trichloroethane
 Concen: 19.356 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion:	97	Resp:	71387
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.3	105.5
85	55.7	44.8	67.2
99	61.8	49.6	74.4

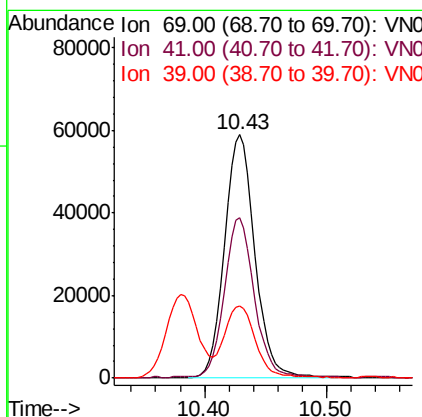
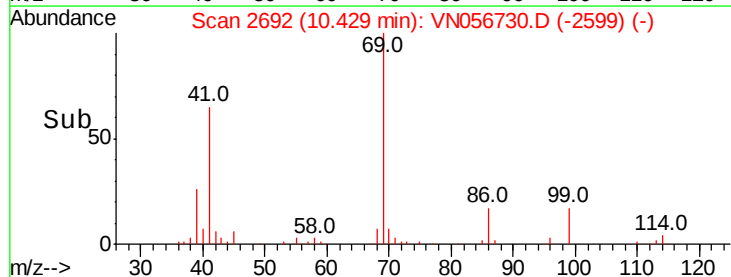
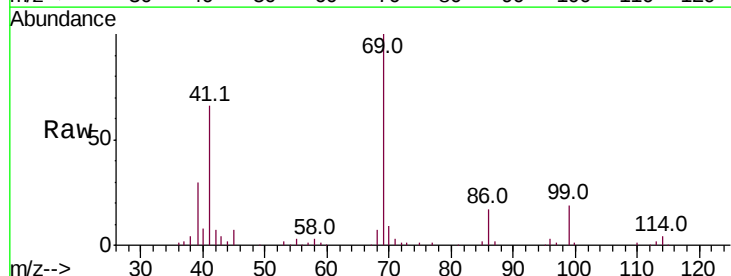
Manual Integrations
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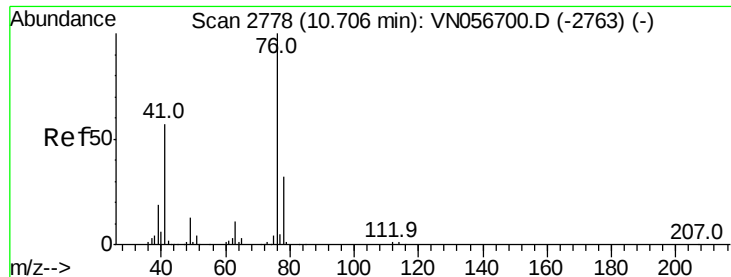
MMDadoda
 7/17/2019 1:31:50 AM



#56
 Ethyl methacrylate
 Concen: 19.428 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion:	69	Resp:	103094
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.4
39	30.4	24.6	36.8





#57

1,3-Dichloropropane

Concen: 19.590 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 76 Resp: 117998

Ion Ratio Lower Upper

76 100

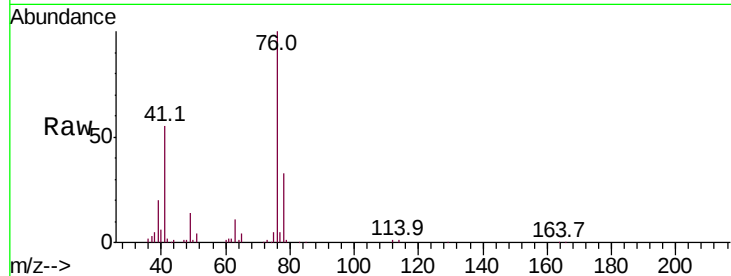
78 32.6 26.0 39.0

Manual Integrations

APPROVED

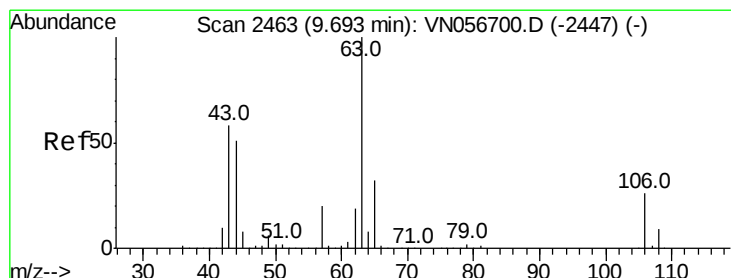
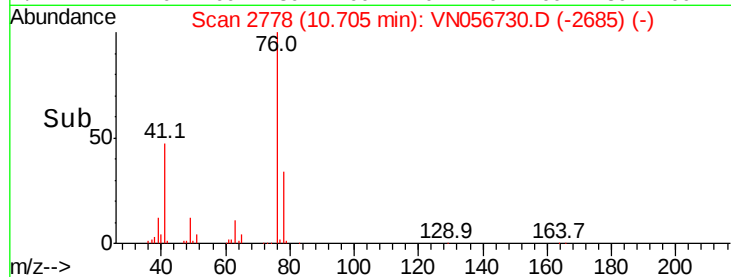
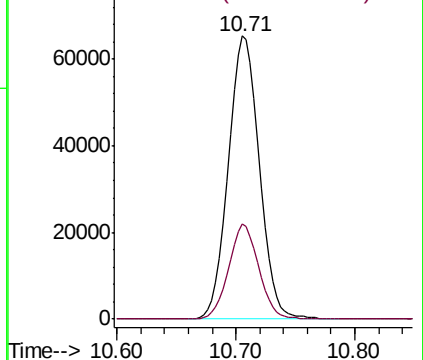
MMDadoda

7/17/2019 1:31:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.420 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056730.D

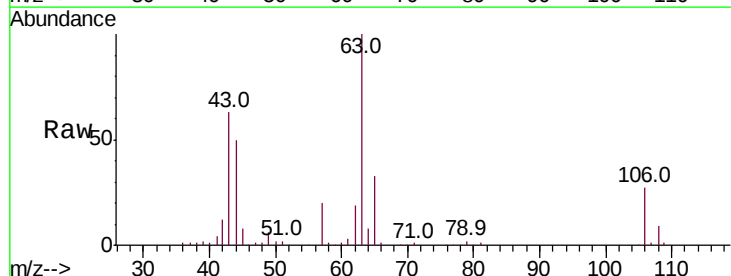
Acq: 15 Jul 2019 23:01

Tgt Ion: 63 Resp: 246043

Ion Ratio Lower Upper

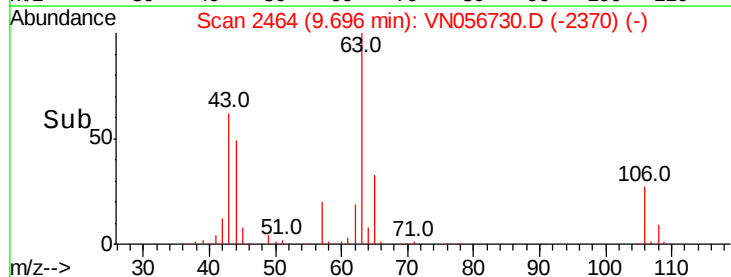
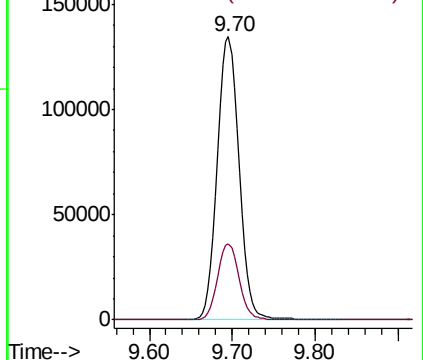
63 100

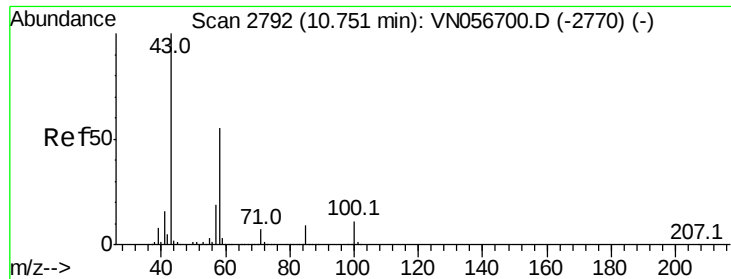
106 26.5 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





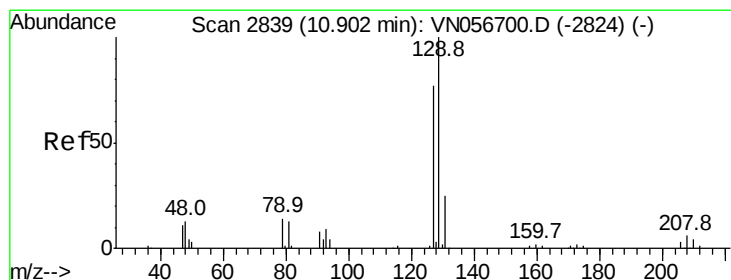
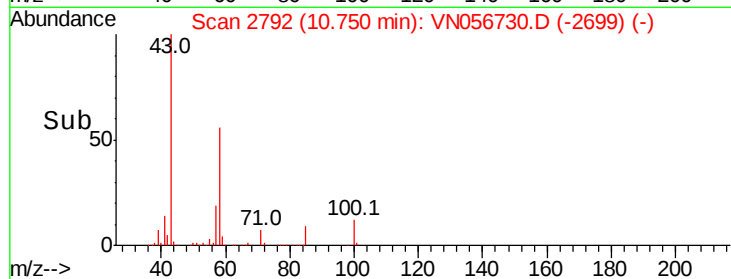
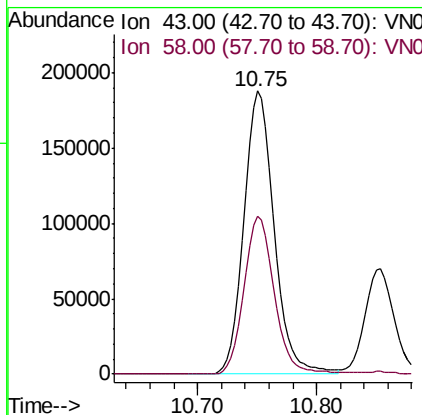
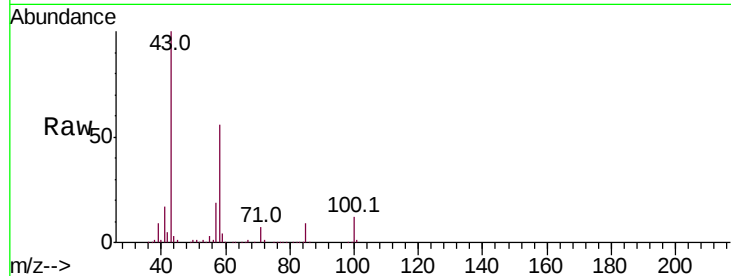
#59
2-Hexanone
Concen: 95.084 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	43	Resp	330847
Ion Ratio	100	Lower	Upper
58	55.9	27.9	83.6

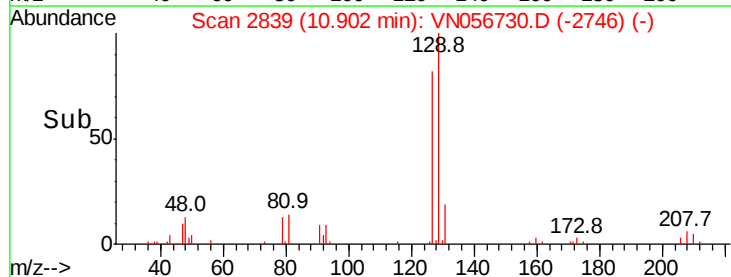
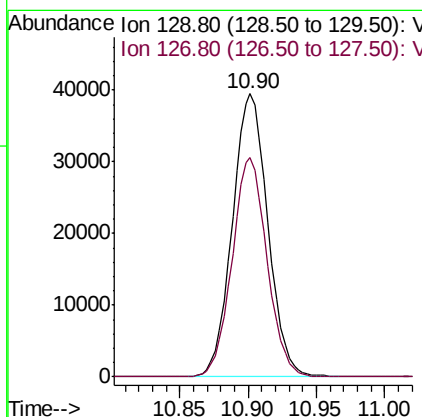
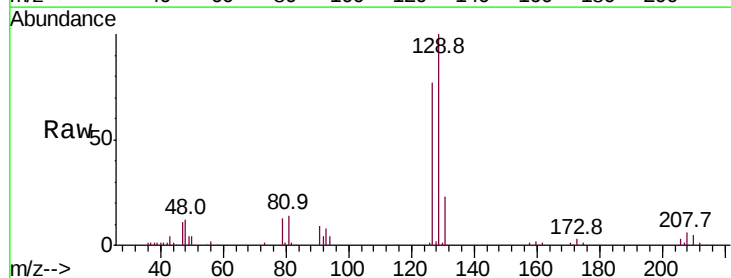
Manual Integrations
APPROVED

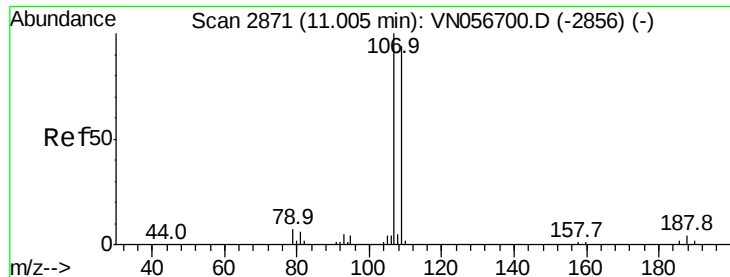
MMDadoda
7/17/2019 1:31:50 AM



#60
Dibromochloromethane
Concen: 19.616 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	129	Resp	71150
Ion Ratio	100	Lower	Upper
127	76.1	38.2	114.6





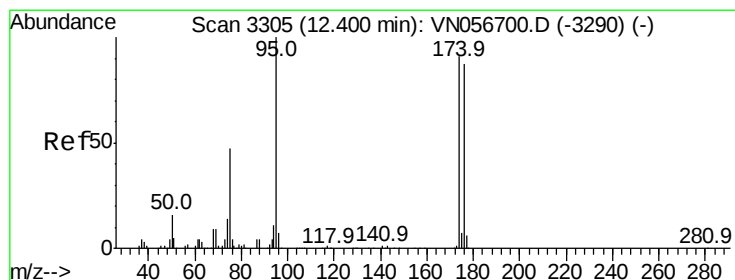
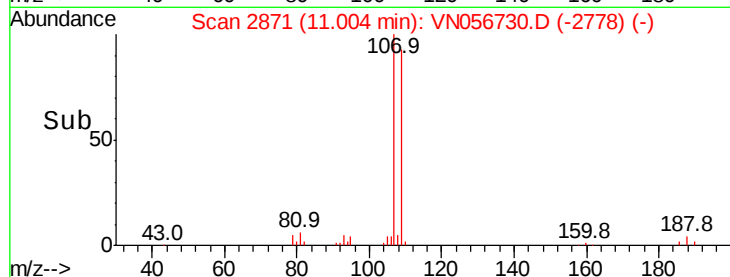
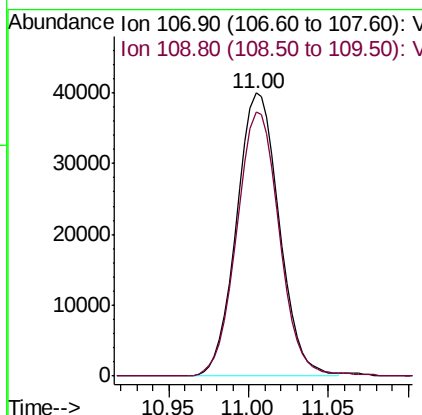
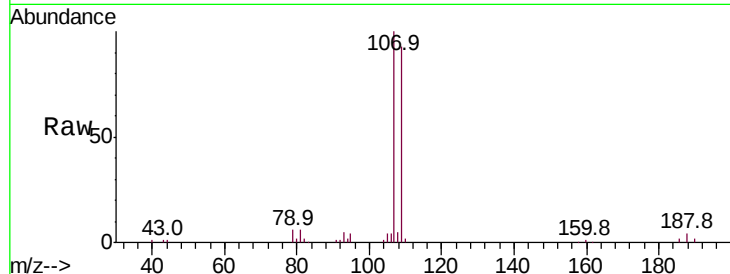
#61
 1,2-Dibromoethane
 Concen: 19.802 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.4

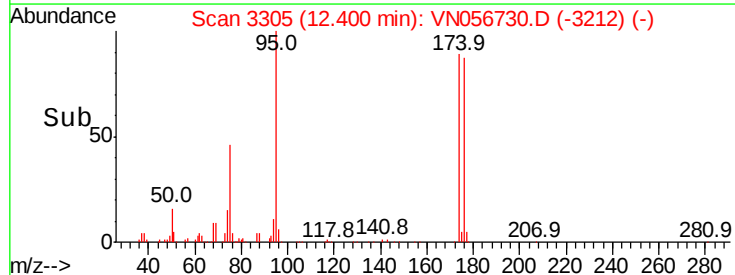
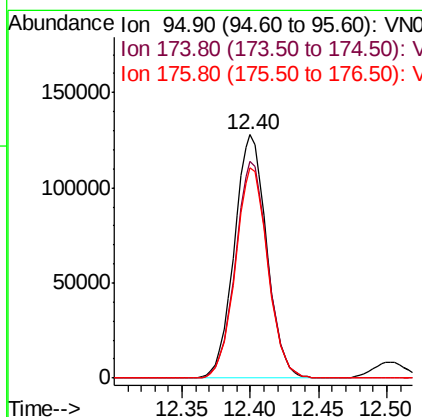
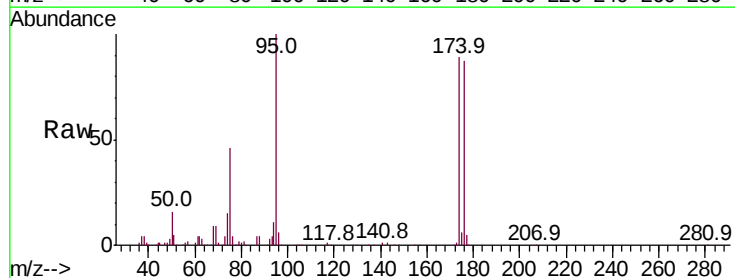
Manual Integrations
 APPROVED

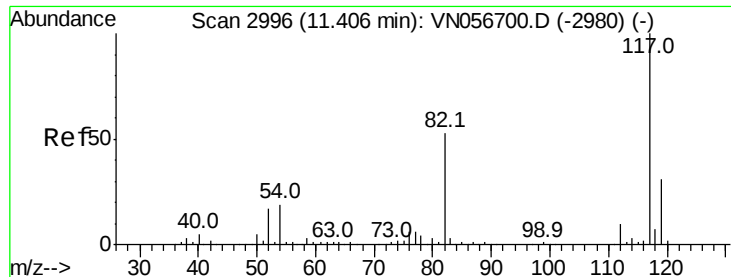
MMDadoda
 7/17/2019 1:31:50 AM



#62
 4-Bromofluorobenzene
 Concen: 49.805 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	180.0
176	86.3	0.0	173.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

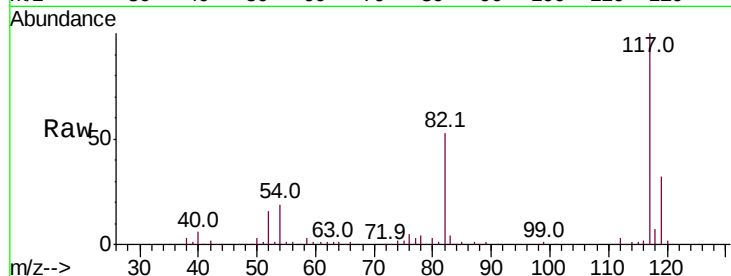
ClientSampleId :

VN0715WBSD02

Tot Ion:	117	Resp:	466699
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.2	63.2
119	32.0	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:50 AM

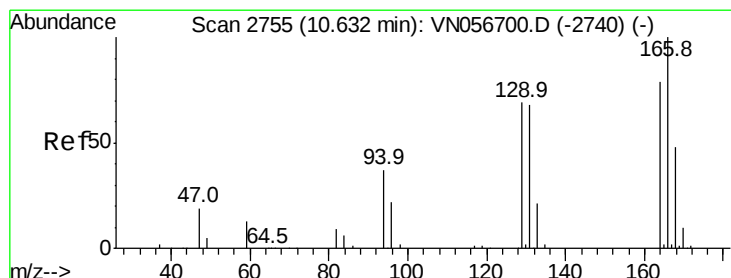
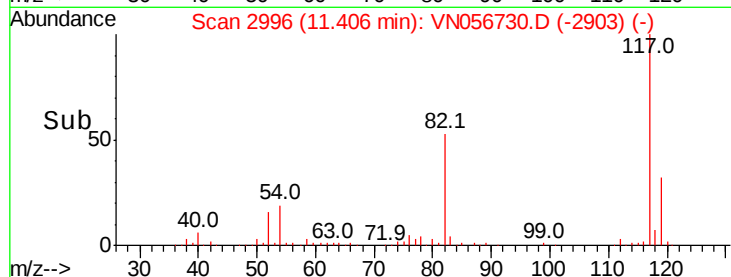
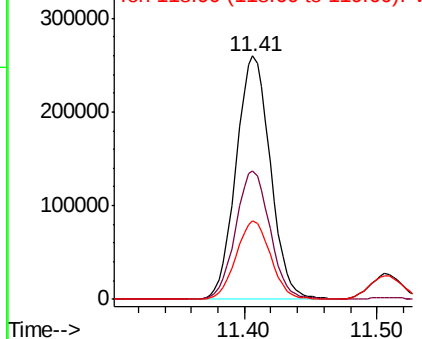


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.214 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	164	Resp:	77361
Ion Ratio	Lower	Upper	
164	100		
166	131.7	101.4	152.2
129	91.6	69.6	104.4
131	89.5	69.0	103.4

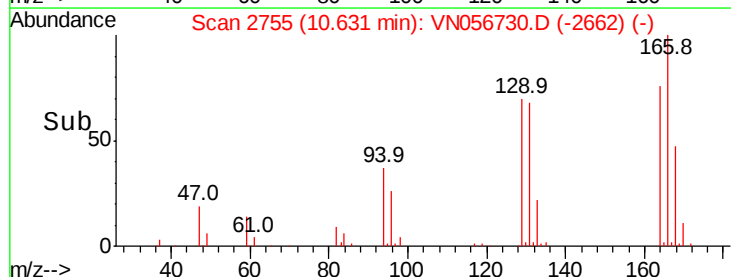
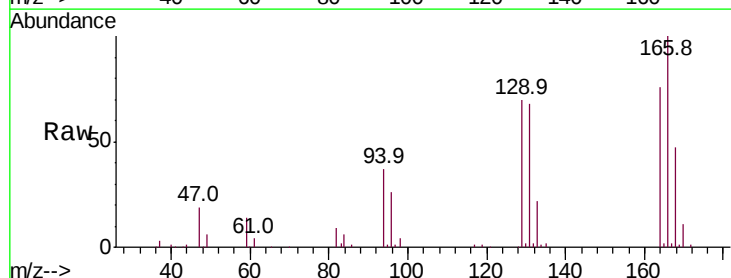
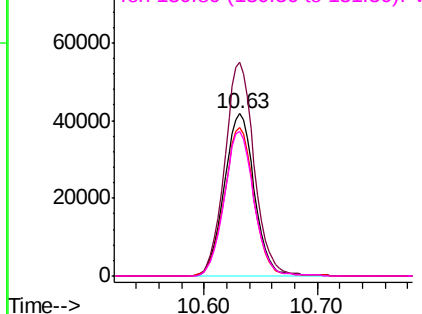
Abundance

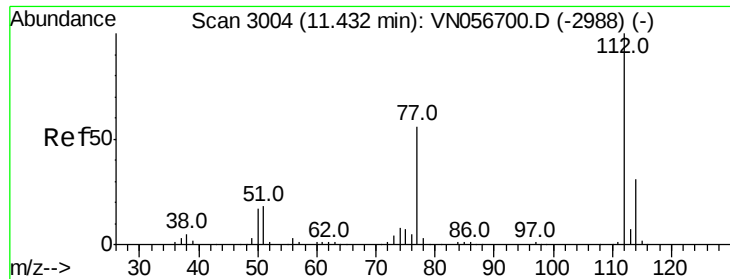
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





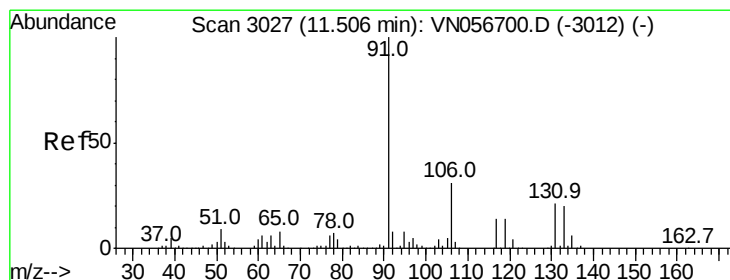
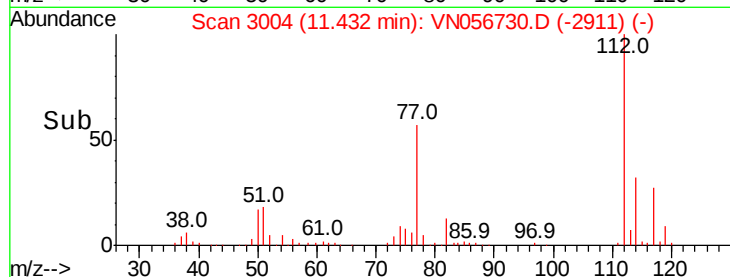
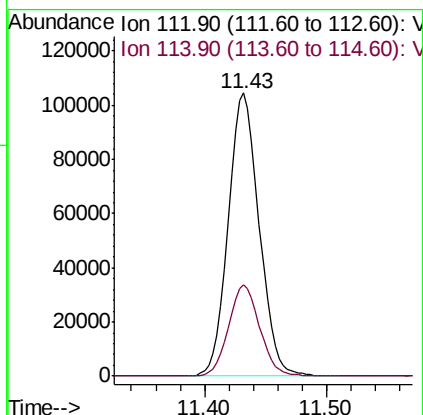
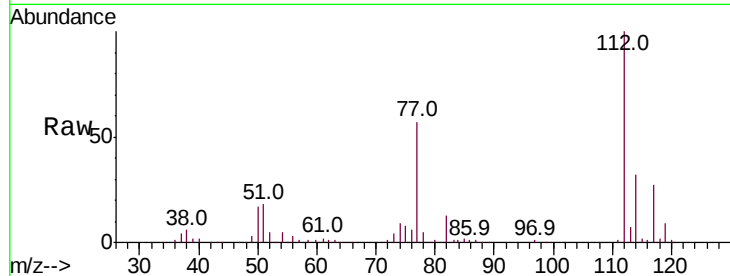
#65
Chlorobenzene
Concen: 19.366 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion:112 Resp: 184808
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

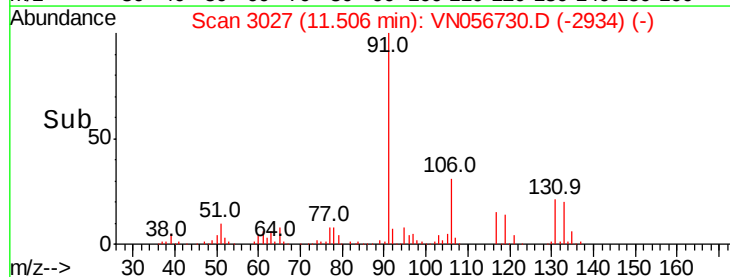
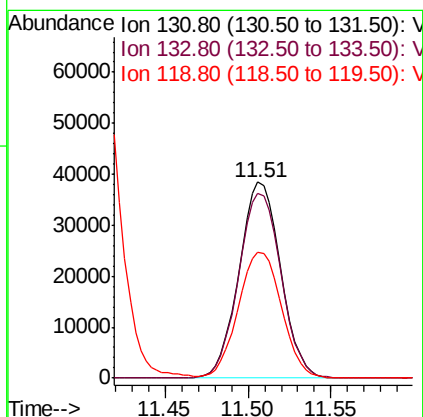
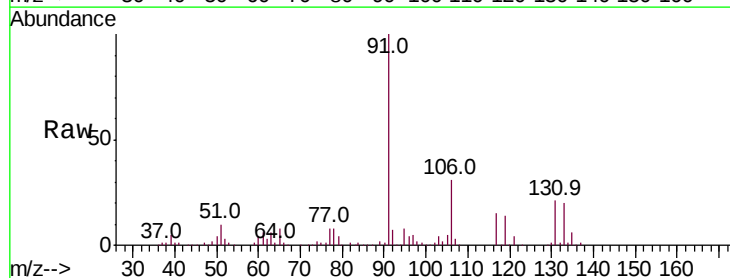
Manual Integrations
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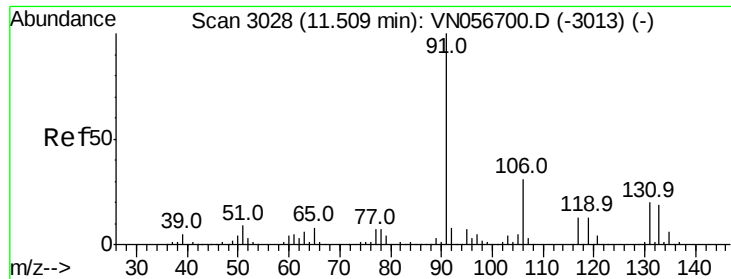
MMDadoda
7/17/2019 1:31:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.135 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion:131 Resp: 67233
Ion Ratio Lower Upper
131 100
133 96.9 46.9 140.7
119 67.0 32.8 98.3





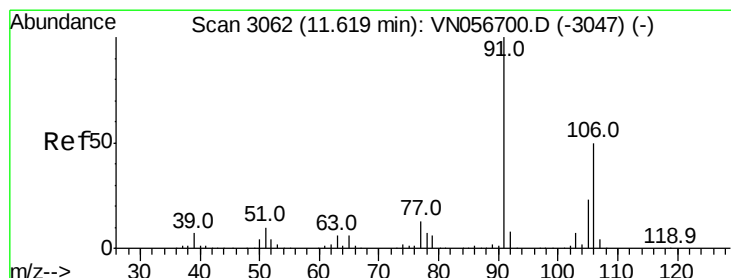
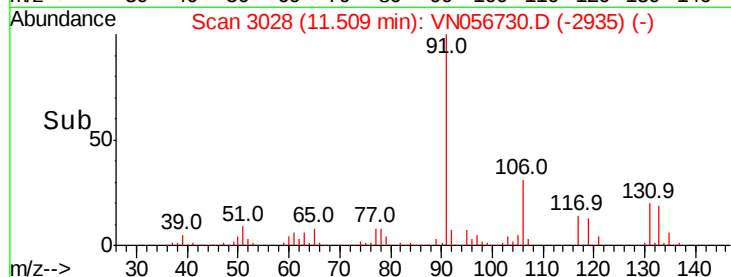
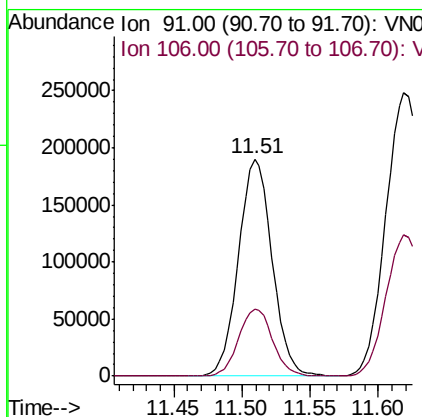
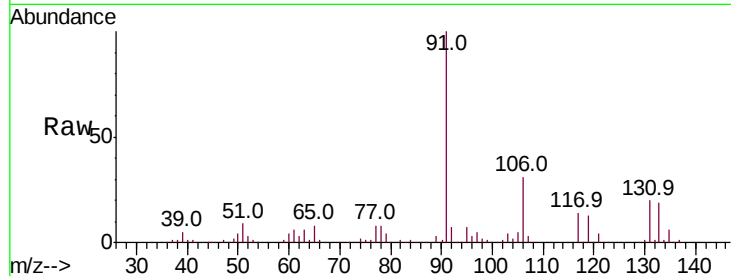
#67
Ethyl Benzene
Concen: 19.422 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion: 91 Resp: 325712
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

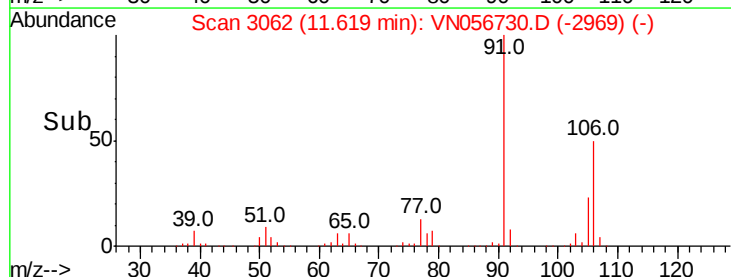
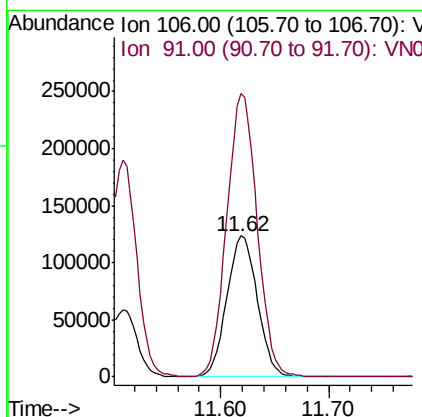
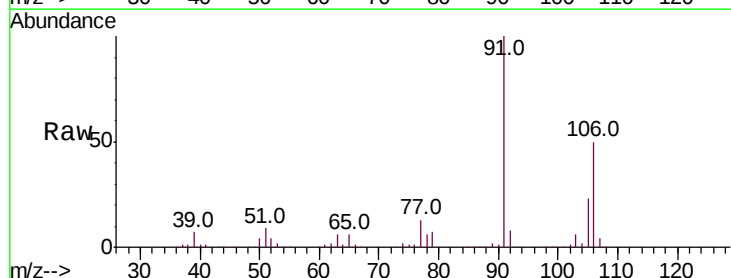
Manual Integrations
APPROVED

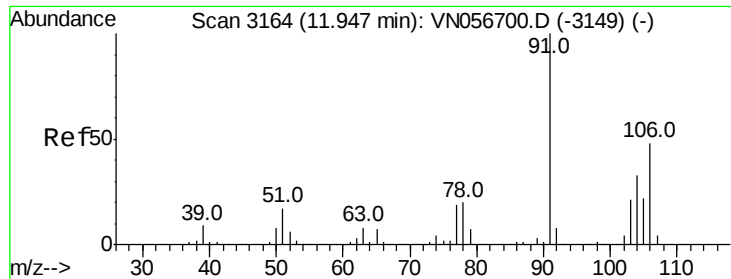
MMDadoda
7/17/2019 1:31:50 AM



#68
m/p-Xylenes
Concen: 38.886 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion: 106 Resp: 243723
Ion Ratio Lower Upper
106 100
91 200.4 160.5 240.7





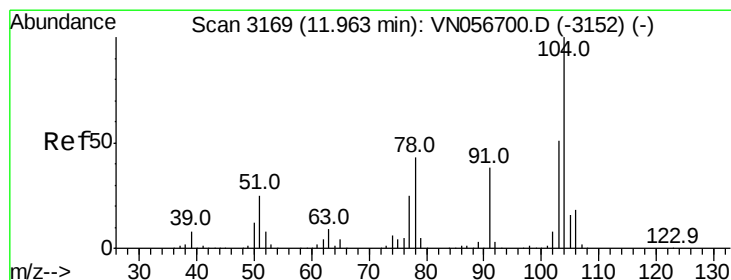
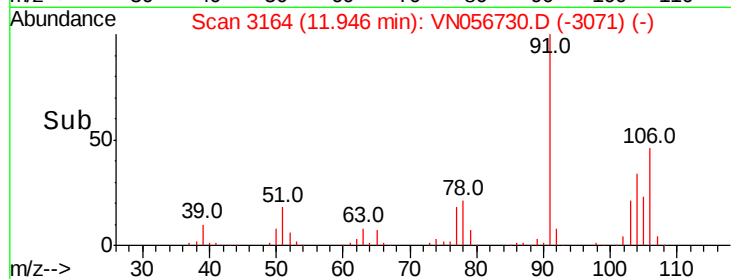
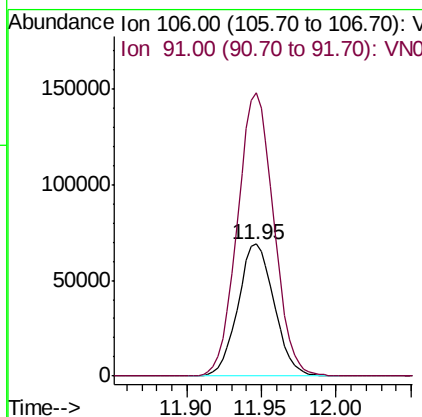
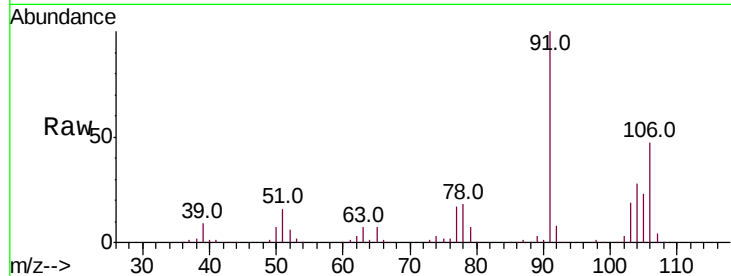
#69
o-Xylene
Concen: 18.902 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion:106 Resp: 116468
Ion Ratio Lower Upper
106 100
91 214.5 105.6 316.8

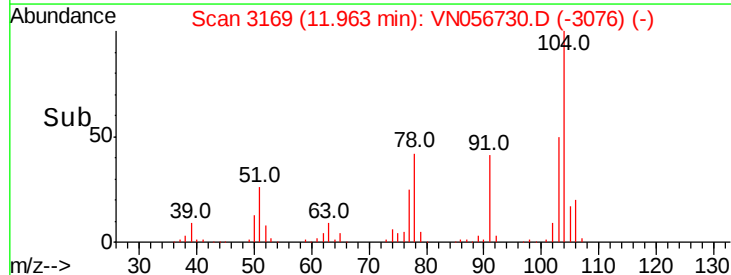
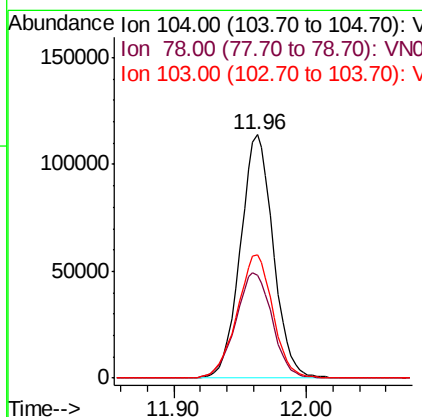
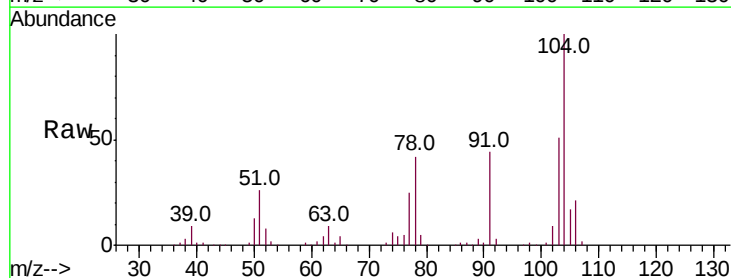
Manual Integrations
APPROVED

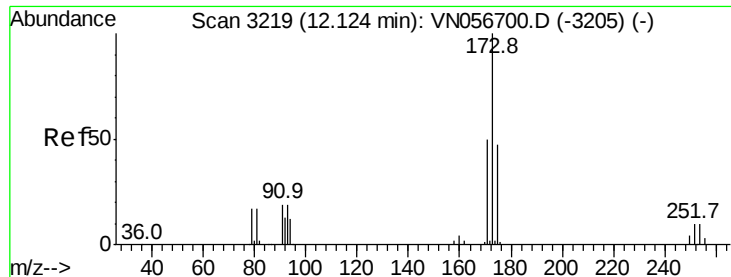
MMDadoda
7/17/2019 1:31:50 AM



#70
Styrene
Concen: 19.653 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion:104 Resp: 195777
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.3 44.2 66.4





#71

Bromoform

Concen: 18.843 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion:173 Resp: 50373

Ion Ratio Lower Upper

173 100

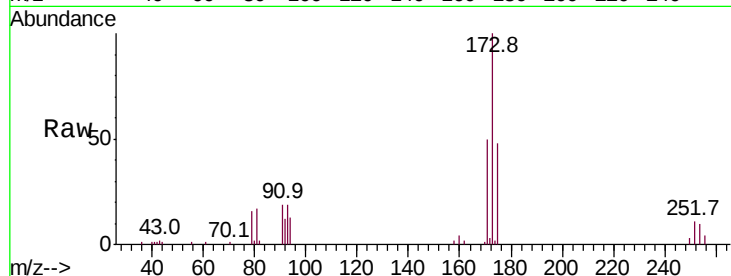
175 48.3 23.8 71.4

254 0.0 0.0 0.0

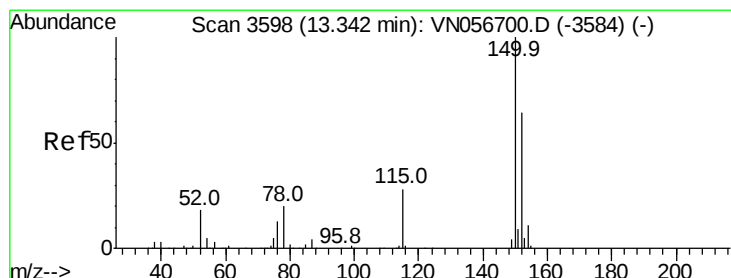
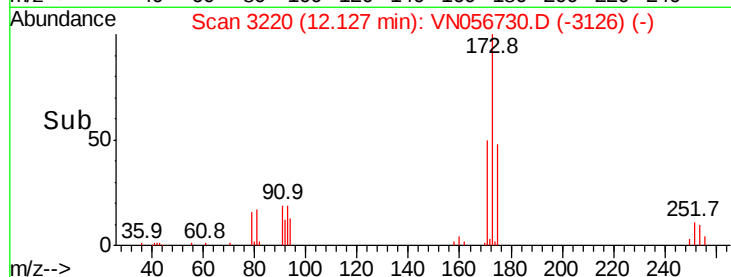
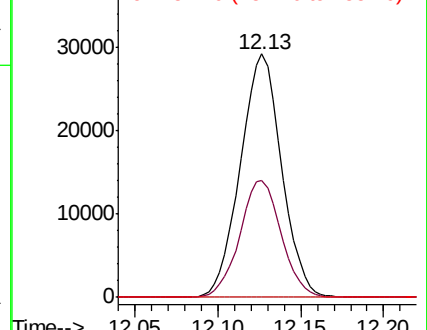
Manual Integrations
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7/17/2019 1:31:50 AM



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: VN056730.D

Acq: 15 Jul 2019 23:01

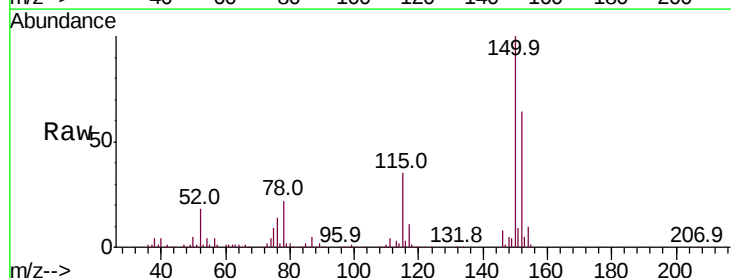
Tgt Ion:152 Resp: 206047

Ion Ratio Lower Upper

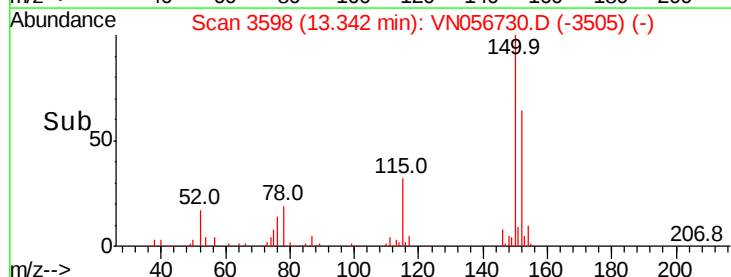
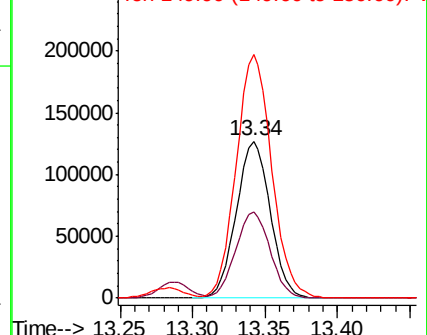
152 100

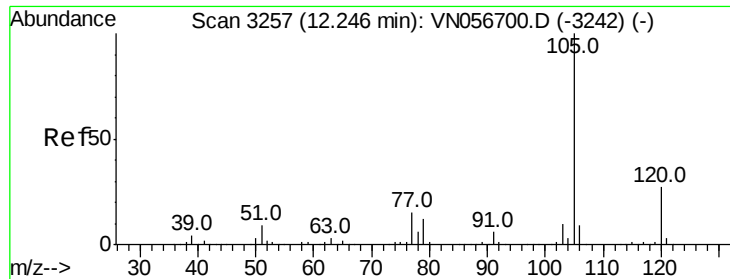
115 55.9 28.2 84.7

150 163.1 0.0 345.8



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: 18.748 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion: 105 Resp: 311474

Ion Ratio Lower Upper

105 100

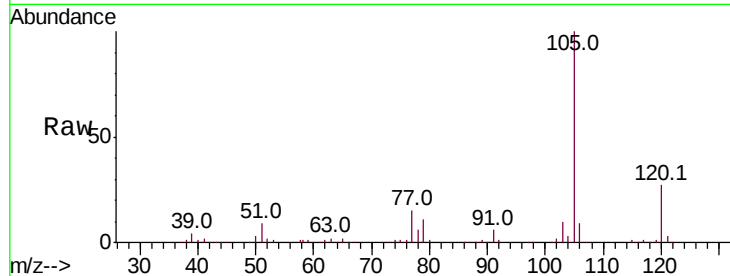
120 27.1 13.4 40.2

Manual Integrations

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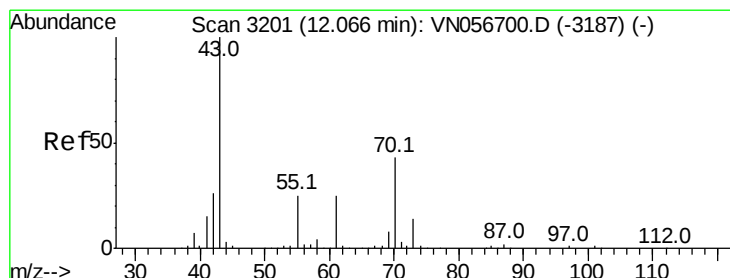
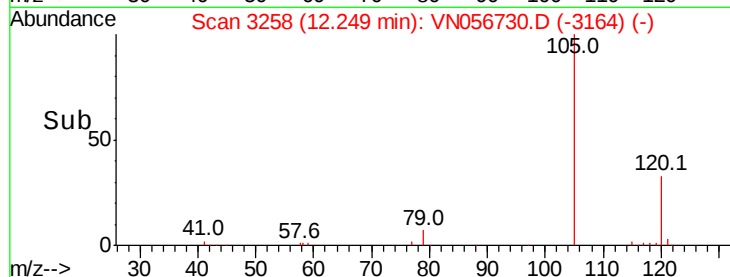
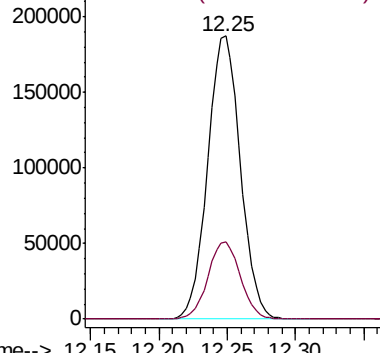
MMDadoda

7/17/2019 1:31:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.646 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion: 43 Resp: 102998

Ion Ratio Lower Upper

43 100

70 43.1 34.5 51.7

55 25.8 20.2 30.2

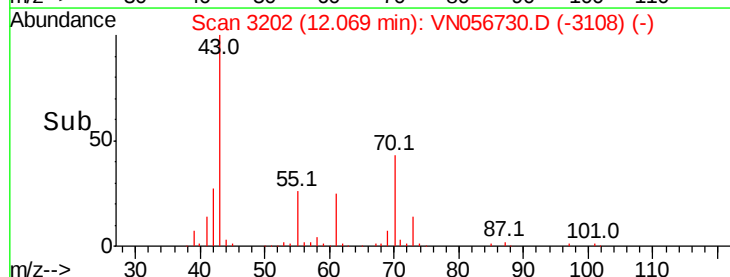
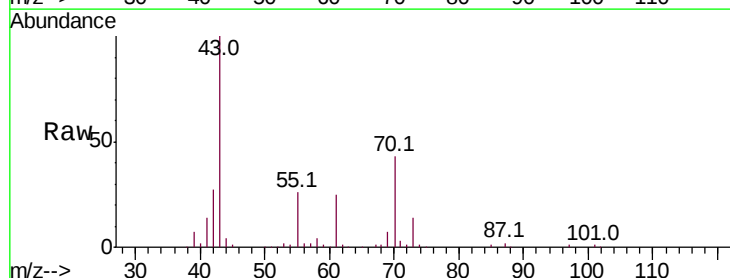
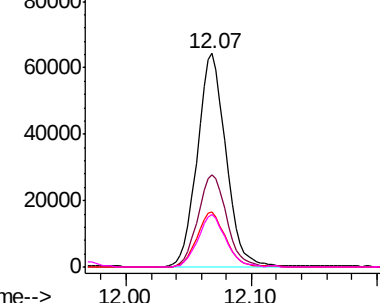
61 23.8 19.9 29.9

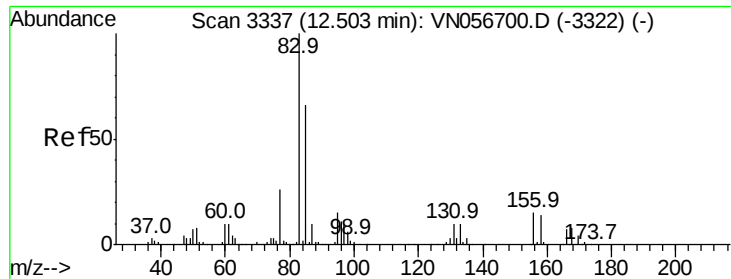
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.440 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

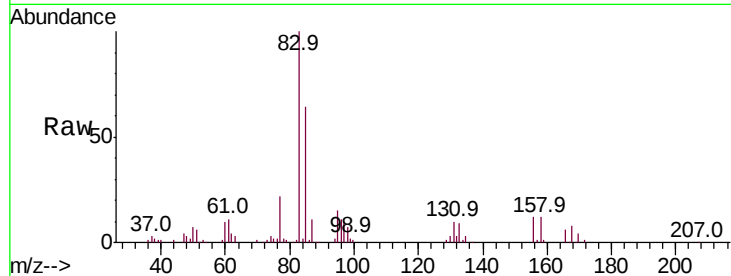
ClientSampleId :

VN0715WBSD02

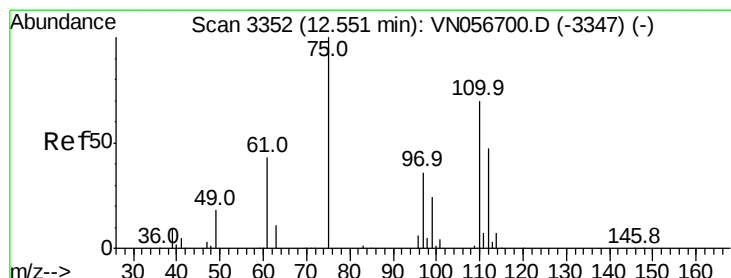
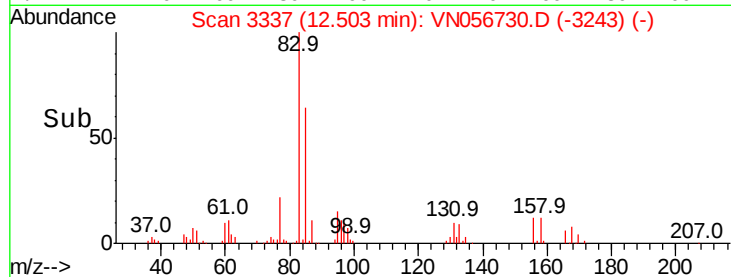
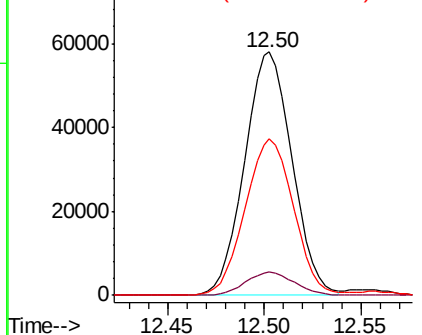
Tot Ion:	83	Resp:	99237
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	15.8
85	65.5	32.6	97.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.571 ug/l m

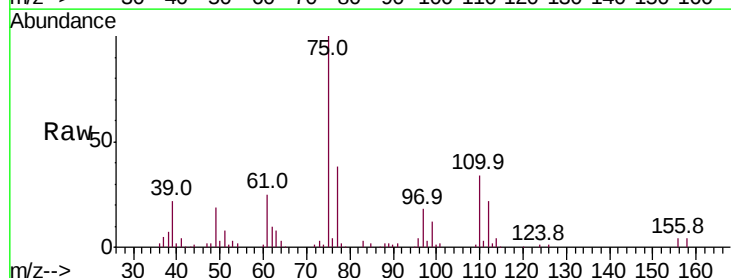
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

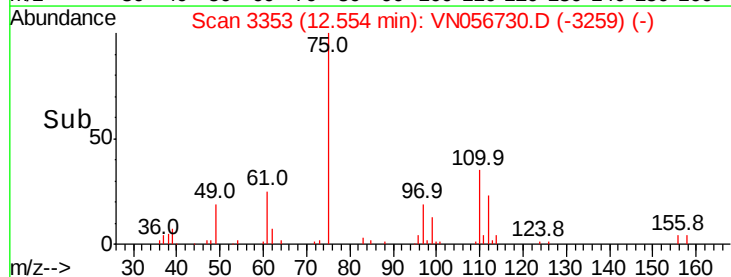
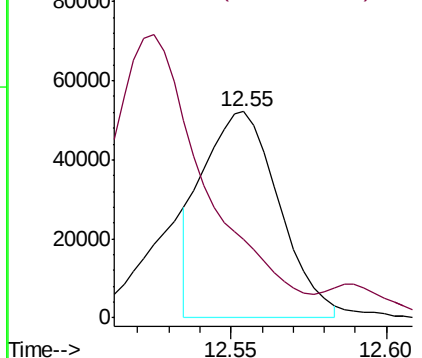
Lab File: VN056730.D

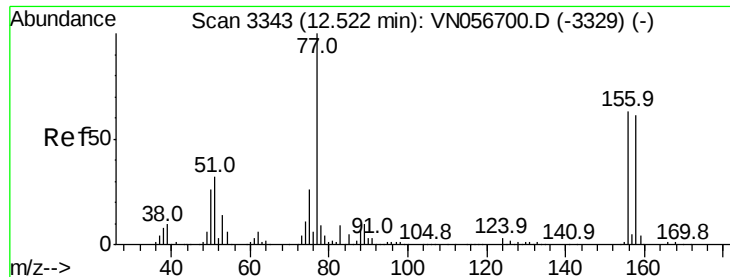
Acq: 15 Jul 2019 23:01

Tgt Ion:	75	Resp:	88196
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.970 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBSD02

Tot Ion:156 Resp: 82433

Ion Ratio Lower Upper

156 100

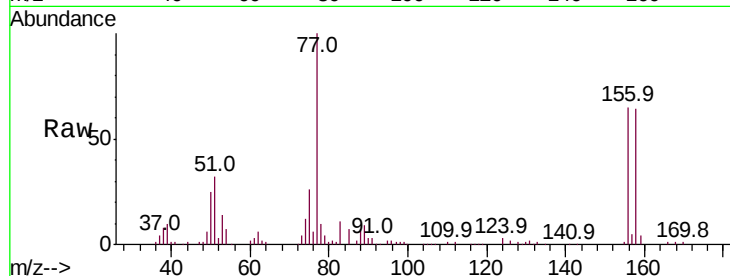
77 188.6 97.2 291.6

158 98.2 48.9 146.8

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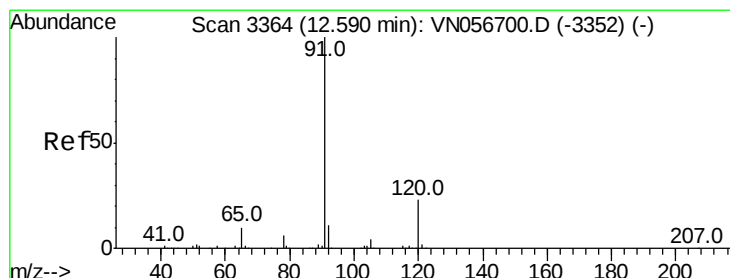
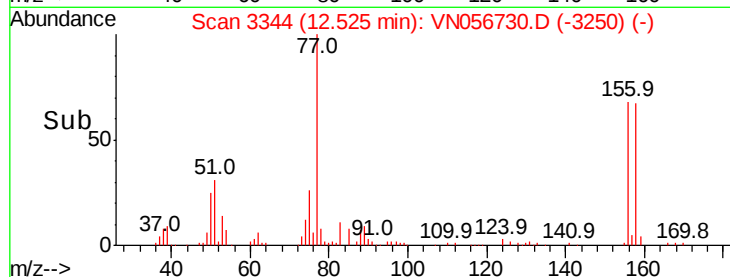
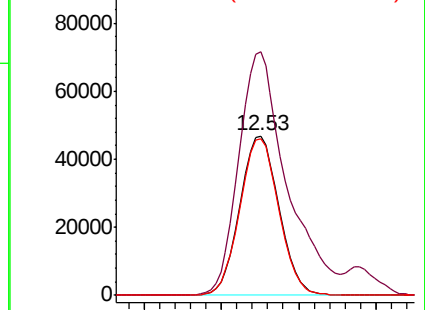
7/17/2019 1:31:50 AM



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: 18.730 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056730.D

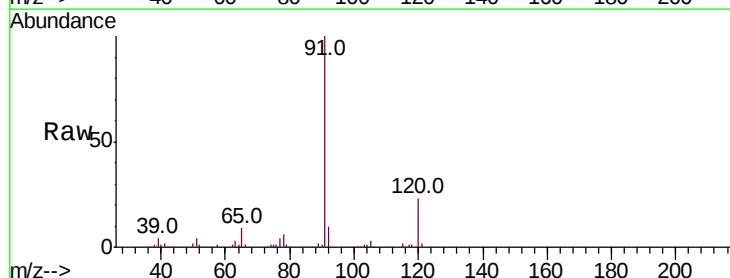
Acq: 15 Jul 2019 23:01

Tgt Ion: 91 Resp: 345463

Ion Ratio Lower Upper

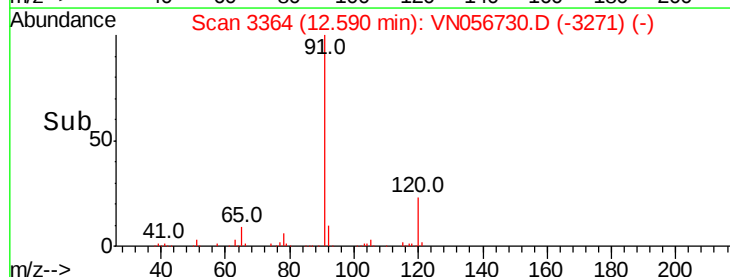
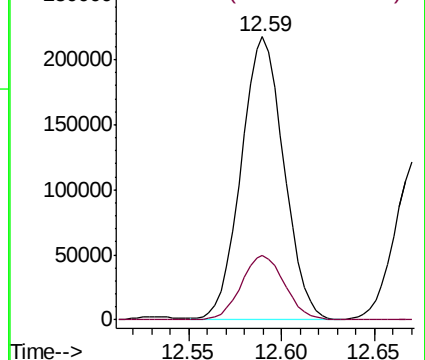
91 100

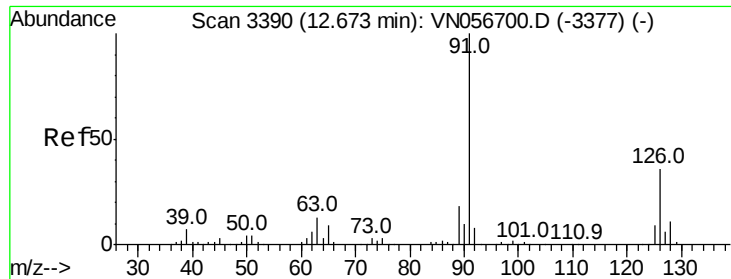
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





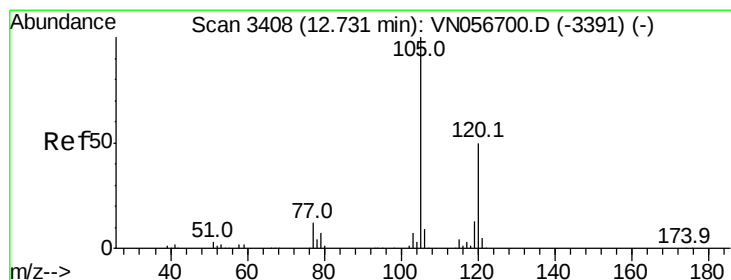
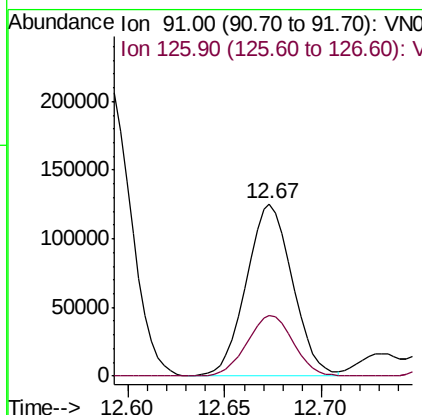
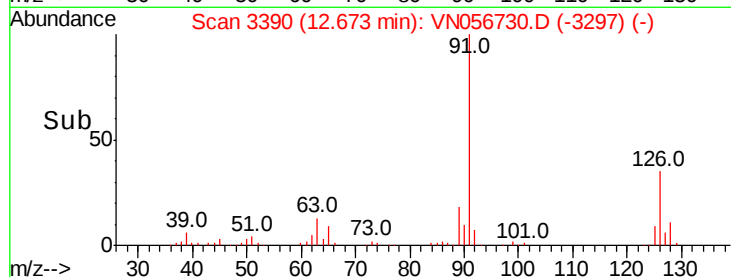
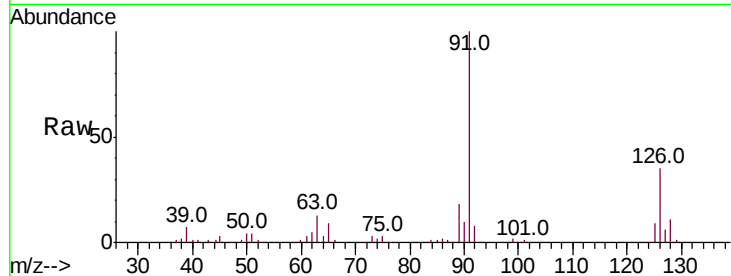
#79
 2-Chlorotoluene
 Concen: 19.337 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion: 91 Resp: 207346
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

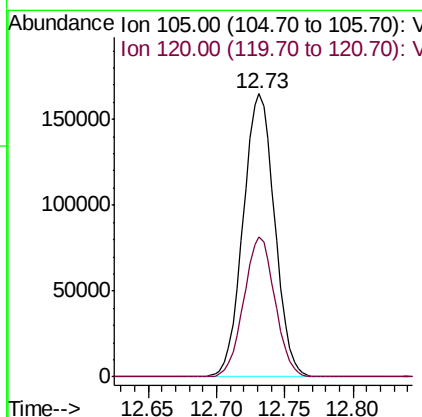
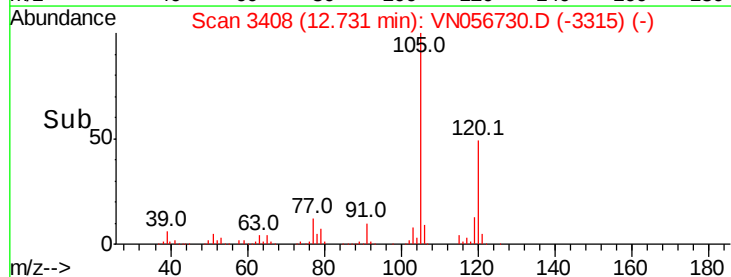
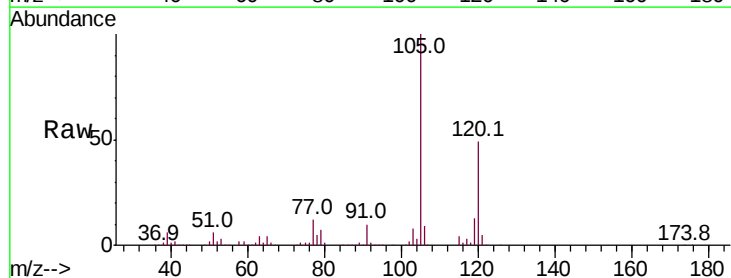
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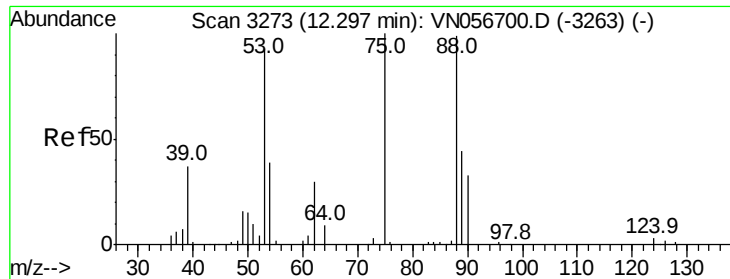
MMDadoda
 7/17/2019 1:31:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.736 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion: 105 Resp: 263816
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.3





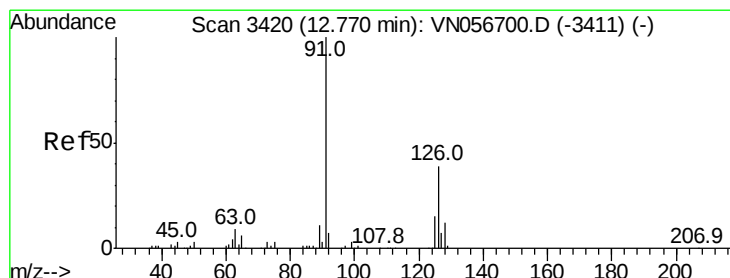
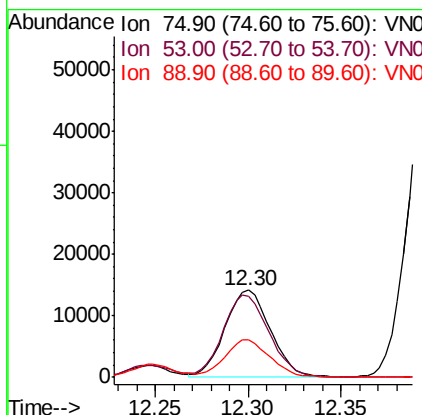
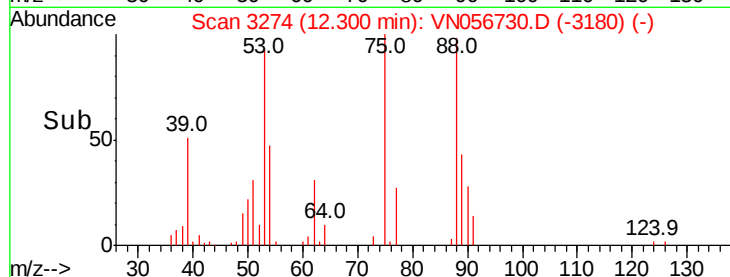
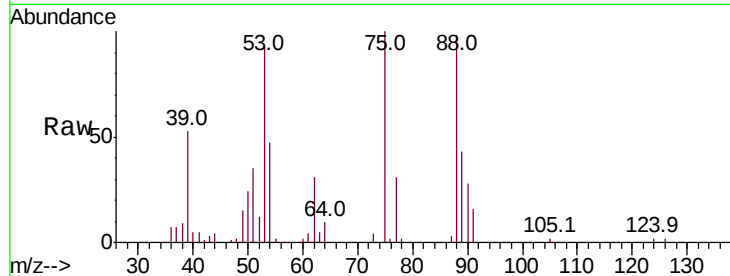
#81
trans-1,4-Dichloro-2-butene
Concen: 16.626 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	73.7	110.5
89	42.2	36.2	54.2

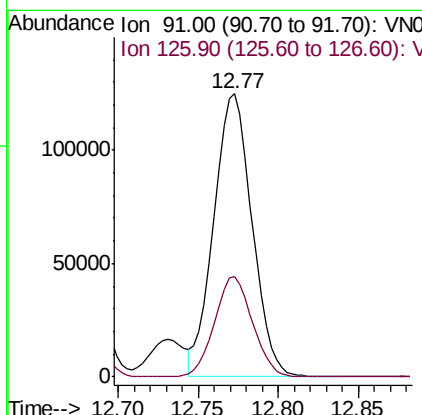
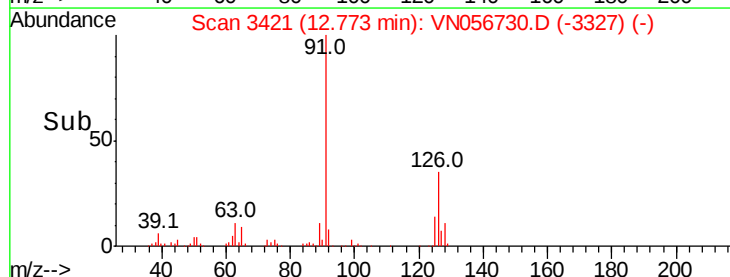
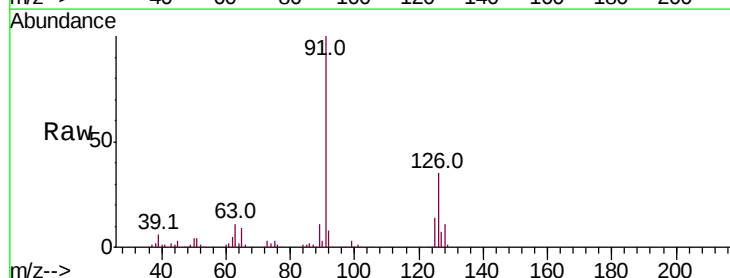
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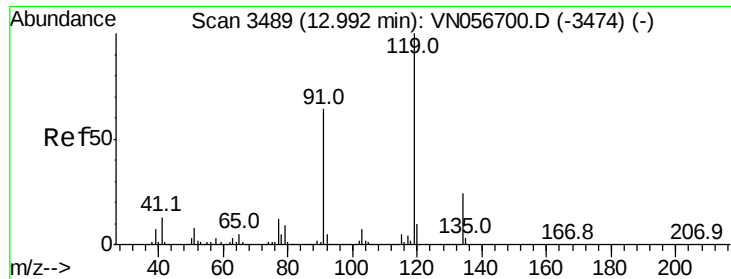
MMDadoda
7/17/2019 1:31:50 AM



#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056730.D
Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





#83

tert-Butylbenzene

Concen: 19.364 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

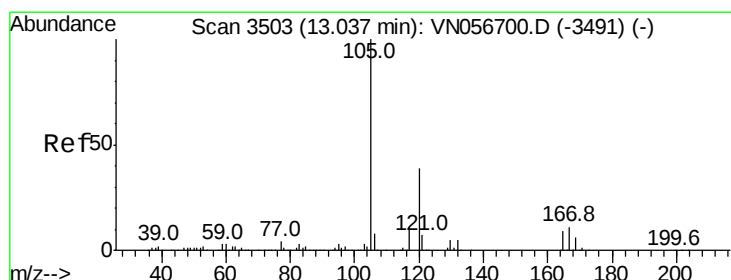
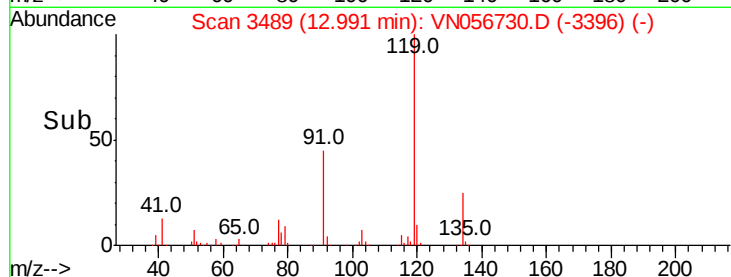
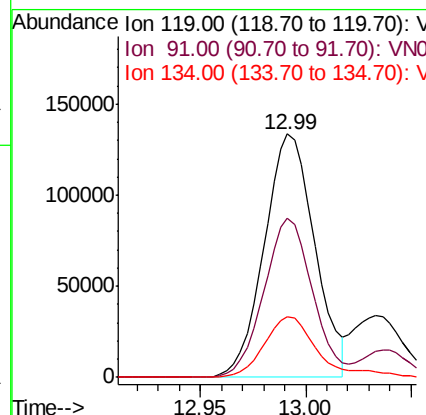
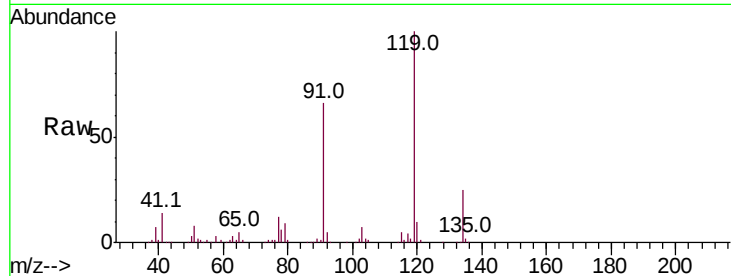
ClientSampleId :

VN0715WBSD02

Tot Ion:	119	Resp:	222256
Ion Ratio	Lower	Upper	
119	100		
91	63.1	31.8	95.4
134	26.6	13.0	38.9

Manual Integrations
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7/17/2019 1:31:50 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.007 ug/l

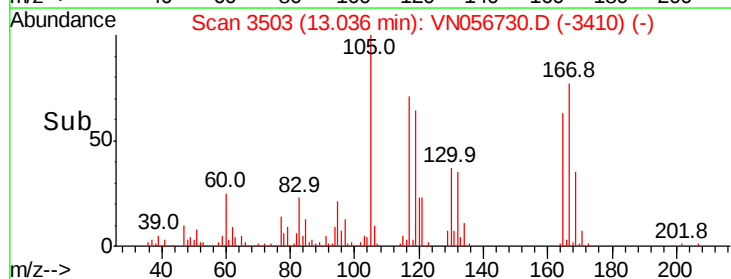
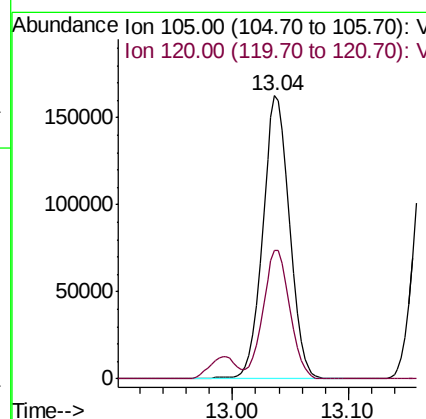
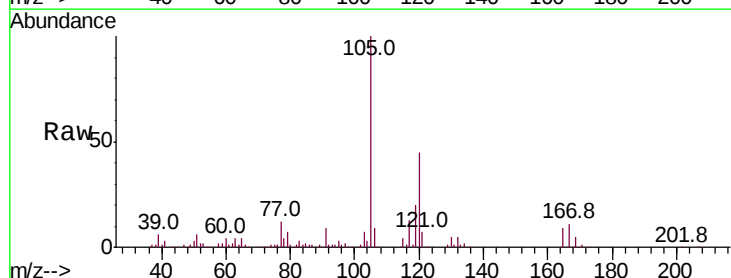
RT: 13.04 min Scan# 3503

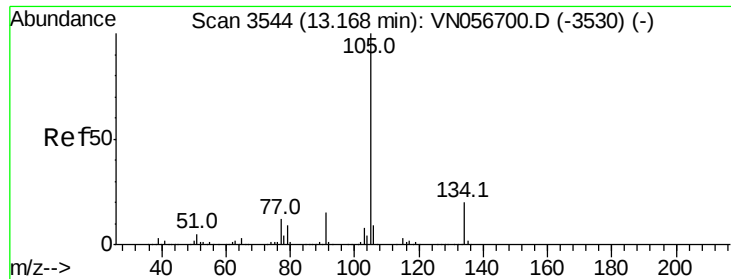
Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	105	Resp:	261460
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.9	68.8





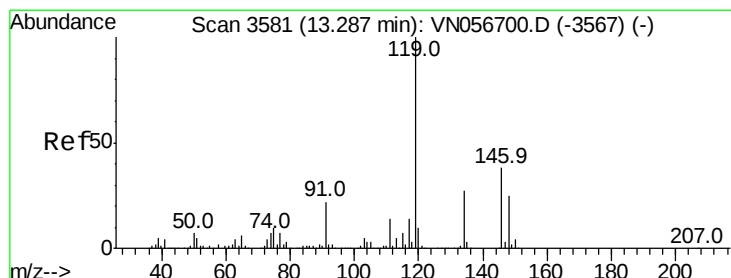
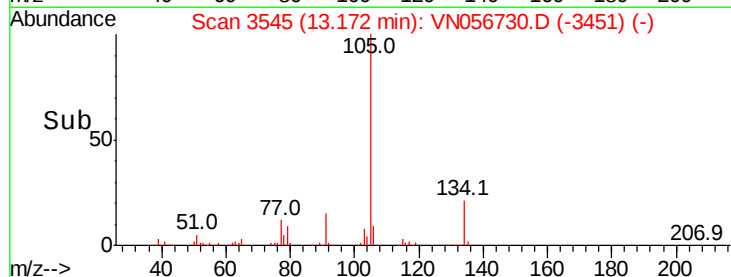
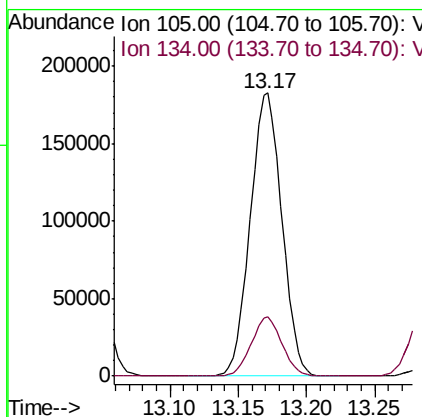
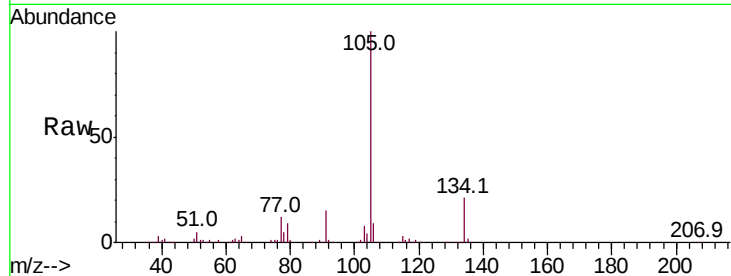
#85
 sec-Butylbenzene
 Concen: 18.777 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

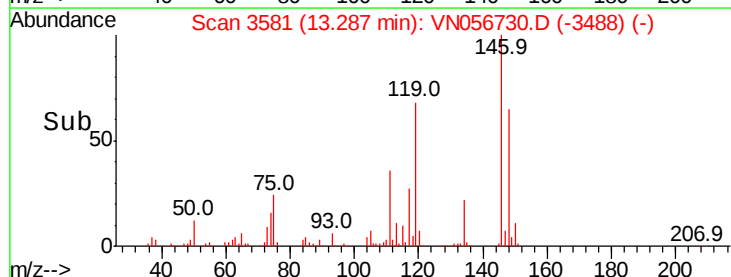
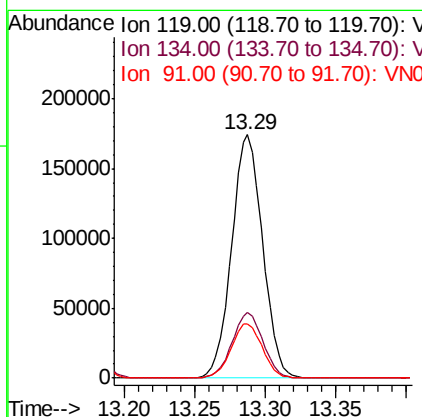
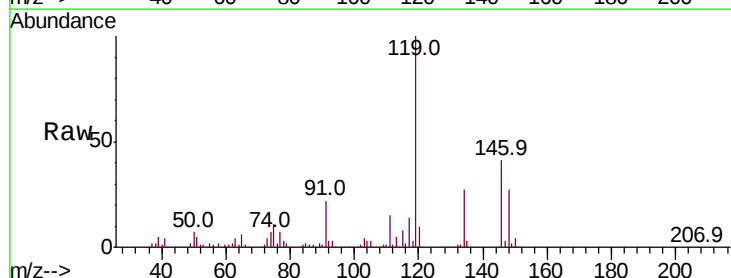
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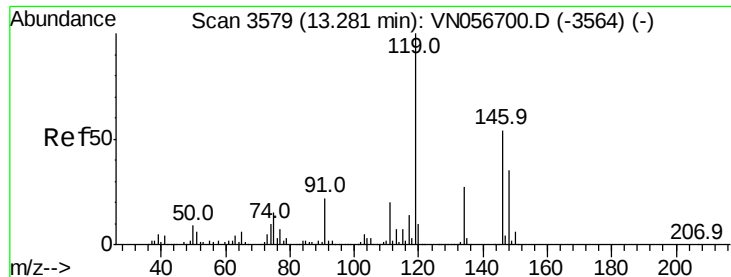
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 7/17/2019 1:31:50 AM



#86
 p-Isopropyltoluene
 Concen: 18.887 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.6	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 18.841 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

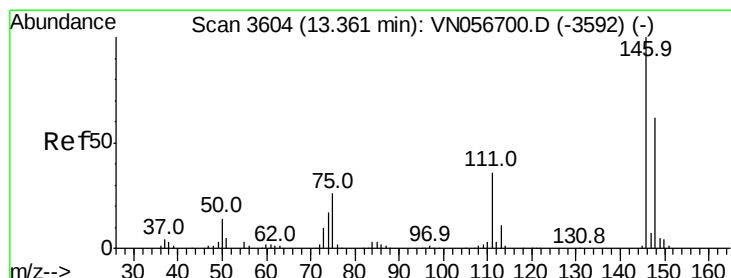
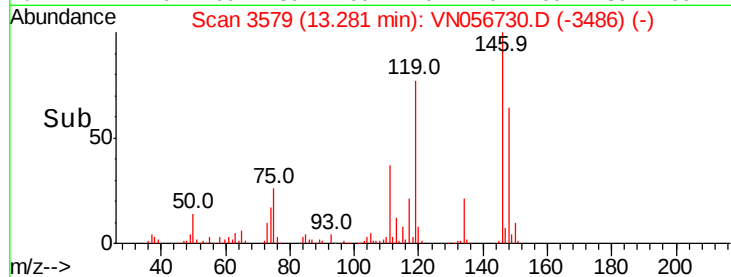
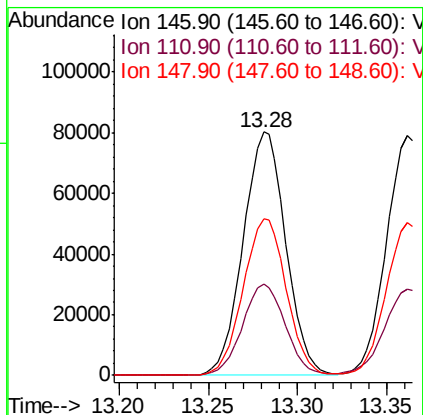
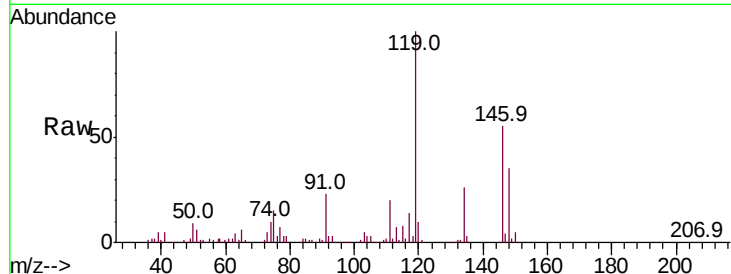
ClientSampleId :

VN0715WBSD02

Tot Ion:	146	Resp:	134178
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.3
148	65.1	32.3	96.8

Manual Integrations
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7/17/2019 1:31:50 AM



#88

1,4-Dichlorobenzene

Concen: 19.067 ug/l

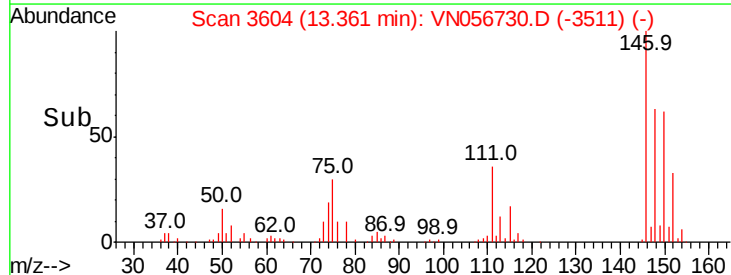
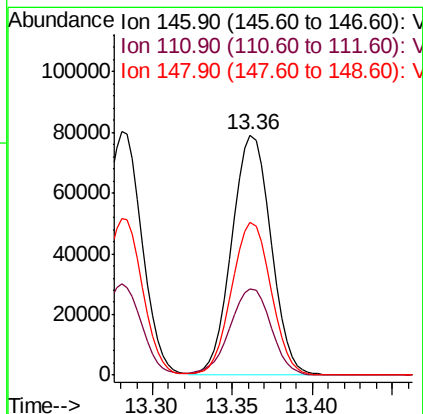
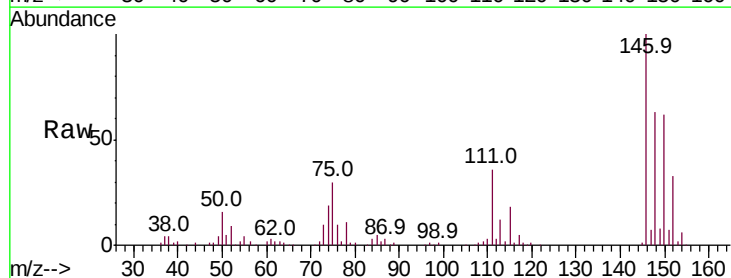
RT: 13.36 min Scan# 3604

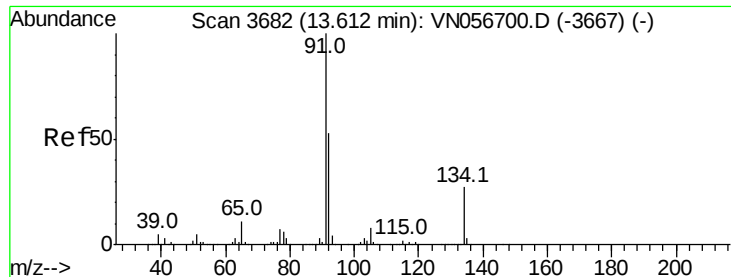
Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	146	Resp:	132078
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.8
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 19.022 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

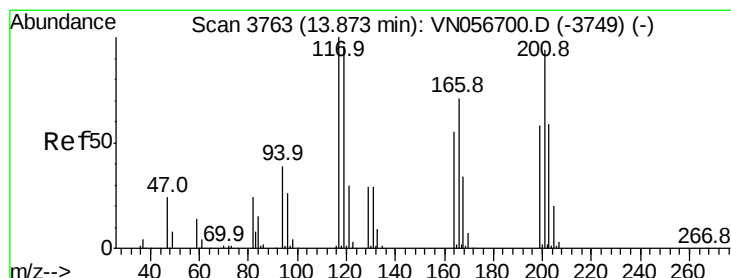
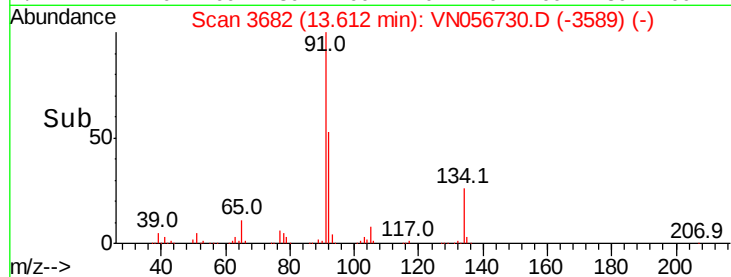
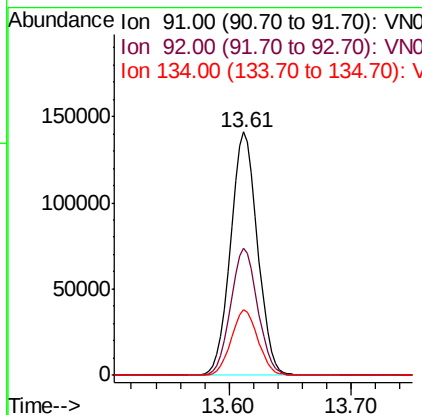
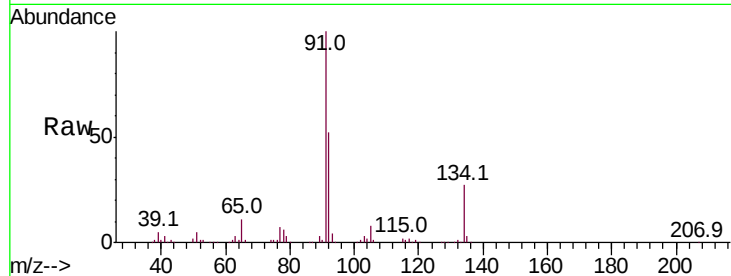
ClientSampleId :

VN0715WBSD02

Tot Ion:	91	Resp:	217176
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.0	78.0
134	26.7	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 17.374 ug/l

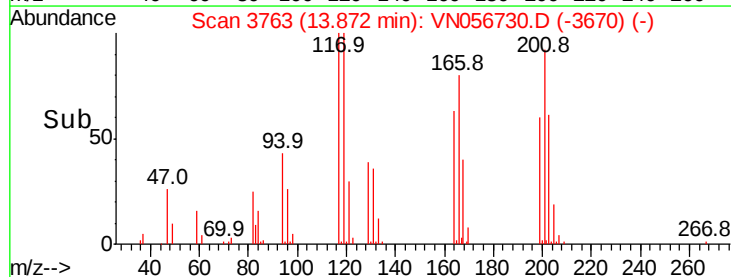
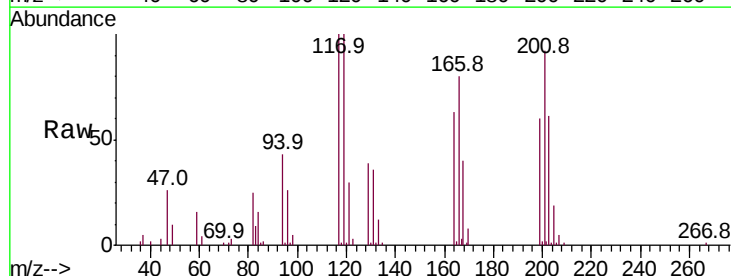
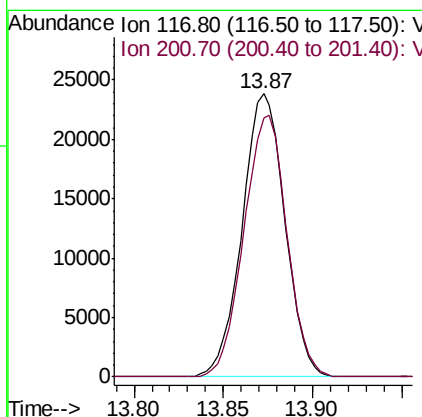
RT: 13.87 min Scan# 3763

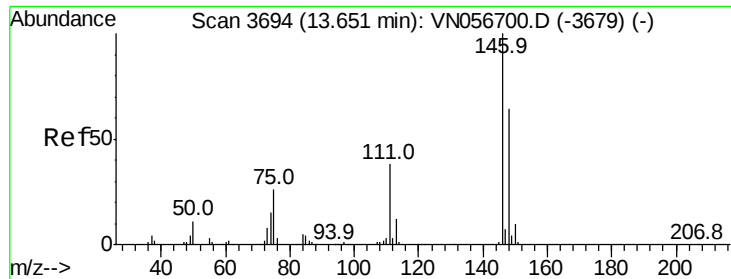
Delta R.T. -0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	117	Resp:	39824
Ion Ratio	Lower	Upper	
117	100		
201	93.0	46.5	139.5





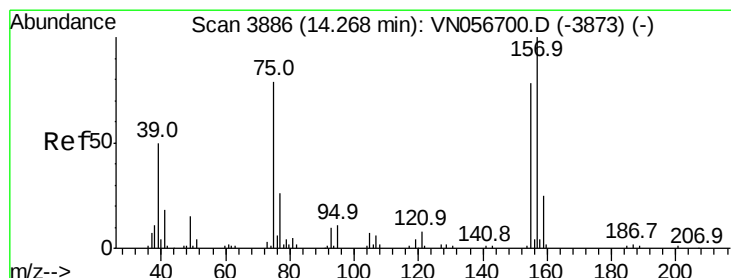
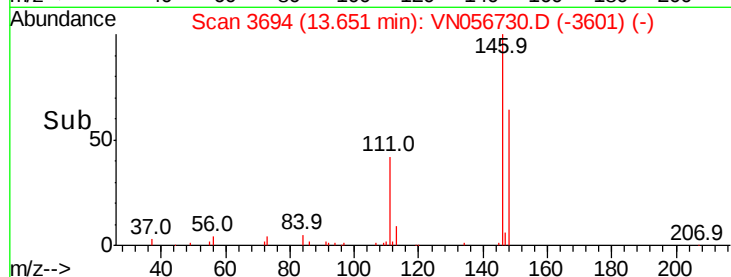
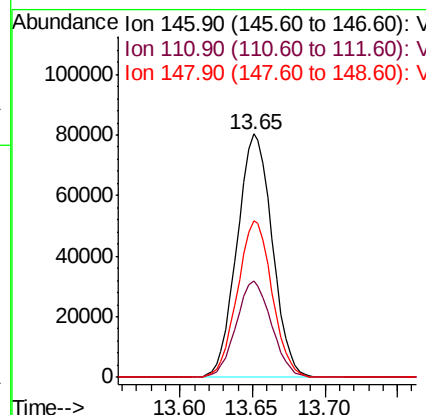
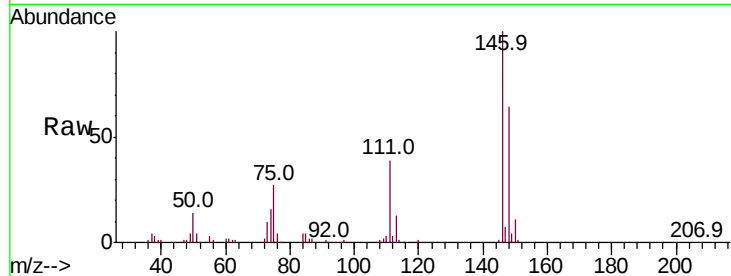
#91
 1,2-Dichlorobenzene
 Concen: 18.628 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	63.3	31.7	95.1

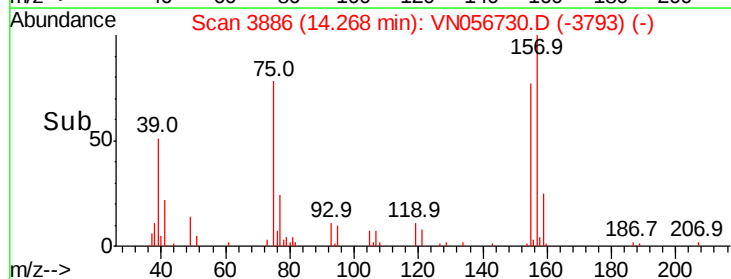
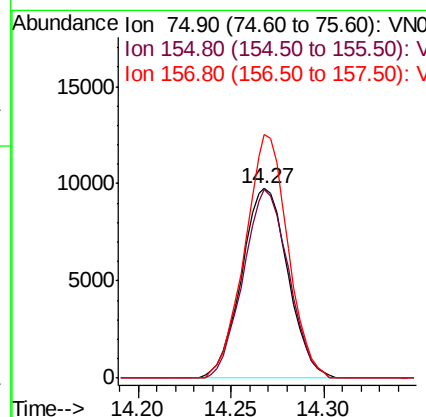
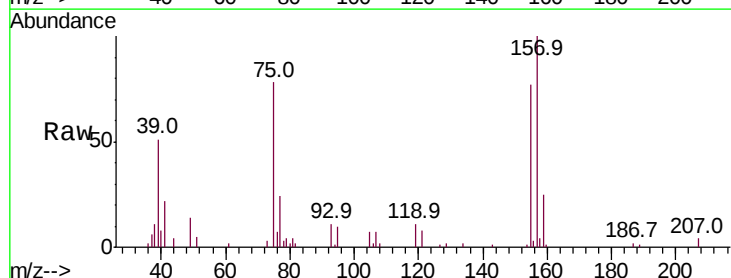
Manual Integrations
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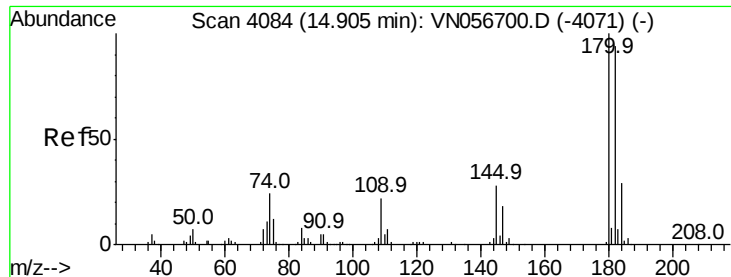
MMDadoda
 7/17/2019 1:31:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.087 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	49.3	147.9
157	119.0	62.4	187.1





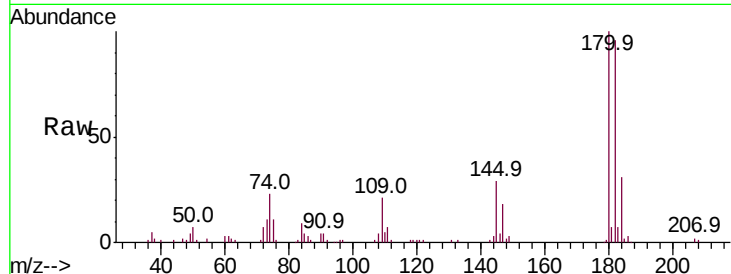
#93
 1,2,4-Trichlorobenzene
 Concen: 19.645 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD02

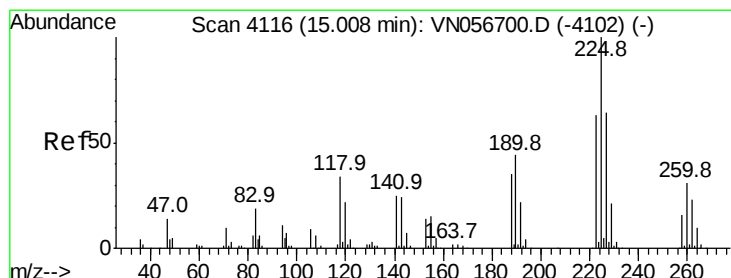
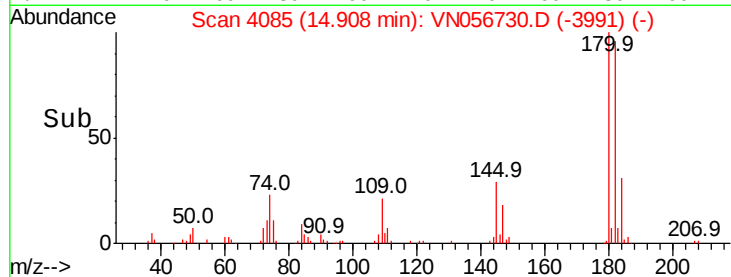
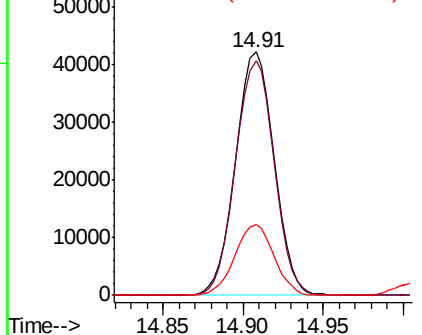
Tot Ion	Ratio	Resp	Lower	Upper
180	100	69310		
182	96.8	47.2	141.6	
145	29.4	14.2	42.8	

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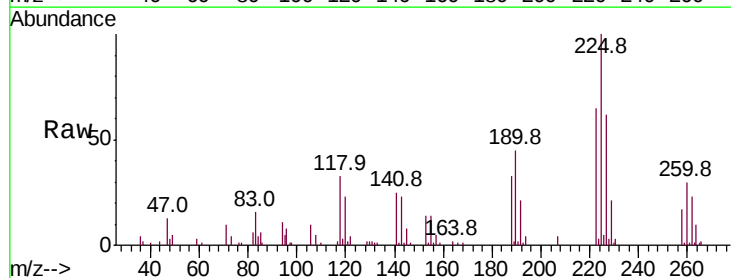


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

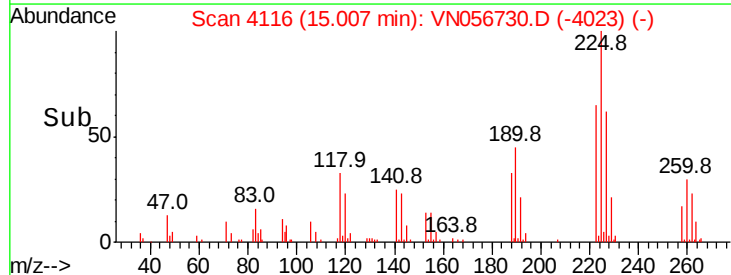
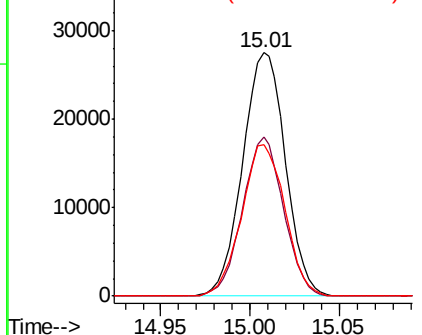


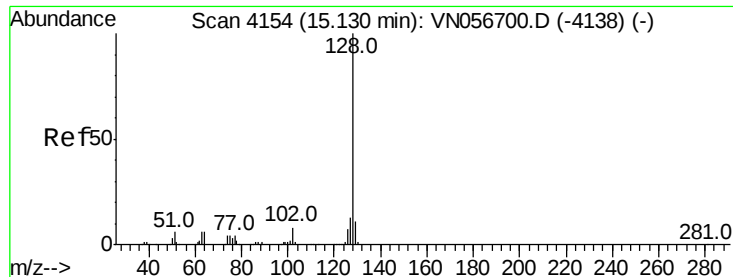
#94
 Hexachlorobutadiene
 Concen: 19.425 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056730.D
 Acq: 15 Jul 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46259		
223	62.5	31.5	94.5	
227	62.9	32.0	96.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.561 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Instrument :

MSVOA_N

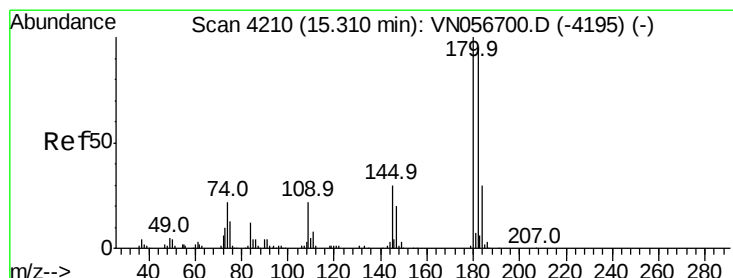
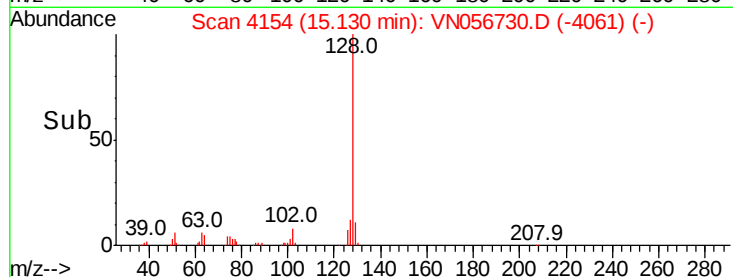
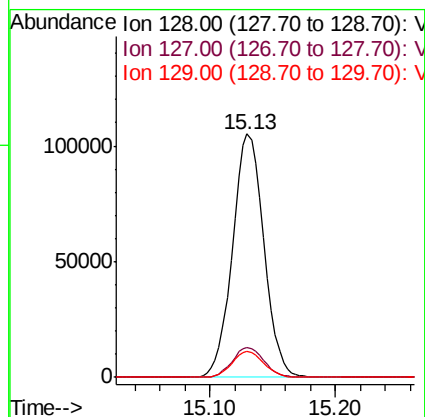
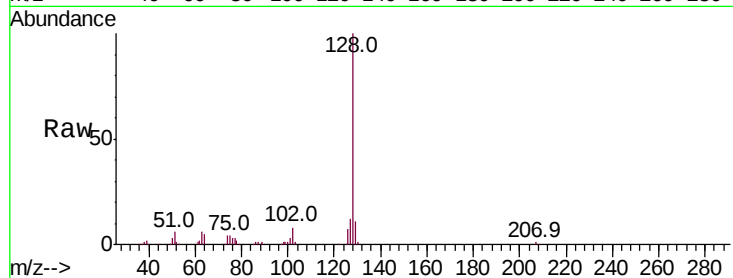
ClientSampleId :

VN0715WBSD02

Tot Ion:	128	Resp:	182498
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	10.7	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 20.621 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056730.D

Acq: 15 Jul 2019 23:01

Tgt Ion:	180	Resp:	74025
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.1	141.3
145	31.2	15.0	45.1

