

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056794.D
 Acq On : 17 Jul 2019 14:11
 Operator : JC/SP
 Sample : VN0717WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:37 AM

Quant Time: Jul 18 01:54:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	172463	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	150996	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	576376	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	188918	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	53706	18.647	ug/l	99
3) Chloromethane	2.06	50	71367	18.431	ug/l	97
4) Vinyl Chloride	2.19	62	69174	18.551	ug/l	99
5) Bromomethane	2.55	94	32916	15.011	ug/l	99
6) Chloroethane	2.70	64	39659	18.252	ug/l	100
7) Trichlorofluoromethane	3.01	101	89925	18.794	ug/l	98
8) Diethyl Ether	3.41	74	35926	19.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	54484	18.953	ug/l	99
10) Methyl Iodide	3.95	142	48293	12.560	ug/l	97
11) Tert butyl alcohol	4.79	59	52848	93.580	ug/l	99
12) 1,1-Dichloroethene	3.73	96	54688	18.966	ug/l	97
13) Acrolein	3.61	56	15776	88.969	ug/l	98
14) Allyl chloride	4.32	41	92926	18.636	ug/l	100
15) Acrylonitrile	4.99	53	161582	99.077	ug/l	99
16) Acetone	3.82	43	126646	81.002	ug/l	99
17) Carbon Disulfide	4.05	76	131559	17.266	ug/l	97
18) Methyl Acetate	4.33	43	70474	19.475	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	178463	19.425	ug/l	100
20) Methylene Chloride	4.55	84	64857	18.982	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	58716	19.264	ug/l	97
22) Diisopropyl ether	5.96	45	196617	19.976	ug/l	97
23) Vinyl Acetate	5.90	43	790188	99.072	ug/l	100
24) 1,1-Dichloroethane	5.85	63	110466	19.358	ug/l	100
25) 2-Butanone	6.84	43	208714	91.307	ug/l	99
26) 2,2-Dichloropropane	6.82	77	73253	17.803	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	69047	19.688	ug/l	98
28) Bromochloromethane	7.19	49	55649	20.741	ug/l	98
29) Tetrahydrofuran	7.21	42	145411	97.533	ug/l	99
30) Chloroform	7.37	83	110039	19.270	ug/l	98
31) Cyclohexane	7.65	56	103526	19.087	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	86952	19.254	ug/l	100
36) 1,1-Dichloropropene	7.79	75	80446	17.856	ug/l	98
37) Ethyl Acetate	6.93	43	86866	19.563	ug/l	98
38) Carbon Tetrachloride	7.77	117	76360	18.073	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	98375	17.684	ug/l	99
40) Benzene	8.04	78	257675	18.666	ug/l	99
41) Methacrylonitrile	7.18	41	33618m	17.236	ug/l	
42) 1,2-Dichloroethane	8.12	62	83797	19.207	ug/l	100
43) Isopropyl Acetate	8.17	43	131248	18.802	ug/l	99
44) Trichloroethene	8.84	130	68656	18.315	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68701	18.730	ug/l	99
46) Dibromomethane	9.21	93	43651	19.204	ug/l	98
47) Bromodichloromethane	9.40	83	80699	18.683	ug/l	96
48) Methyl methacrylate	9.20	41	64691	19.163	ug/l	100
49) 1,4-Dioxane	9.20	88	27847	402.009	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	428837	94.850	ug/l	100
52) Toluene	10.16	92	155802	19.005	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82777	18.368	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	95590	18.279	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	65577	19.071	ug/l	98
56) Ethyl methacrylate	10.43	69	96720	19.549	ug/l	99
57) 1,3-Dichloropropane	10.71	76	108038	19.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	221302	93.018	ug/l	98
59) 2-Hexanone	10.75	43	301734	93.009	ug/l	100
60) Dibromochloromethane	10.90	129	62741	18.553	ug/l	99
61) 1,2-Dibromoethane	11.00	107	66319	19.407	ug/l	98
64) Tetrachloroethene	10.63	164	66746	18.063	ug/l	98
65) Chlorobenzene	11.43	112	165111	18.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	60278	18.693	ug/l	97
67) Ethyl Benzene	11.51	91	286956	18.644	ug/l	100
68) m/p-Xylenes	11.62	106	215822	37.521	ug/l	99
69) o-Xylene	11.95	106	105381	18.635	ug/l	99
70) Styrene	11.96	104	173318	18.957	ug/l	100
71) Bromoform	12.12	173	44986	18.336	ug/l #	98
73) Isopropylbenzene	12.25	105	276093	19.047	ug/l	100
74) N-amyl acetate	12.07	43	102777	19.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	92777	20.975	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	81244m	20.663	ug/l	
77) Bromobenzene	12.53	156	73697	19.438	ug/l	98
78) n-propylbenzene	12.59	91	301753	18.751	ug/l	100
79) 2-Chlorotoluene	12.67	91	187141	20.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	238301	19.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21997	17.278	ug/l	93
82) 4-Chlorotoluene	12.77	91	176190	18.657	ug/l	99
83) tert-Butylbenzene	12.99	119	203462	20.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	231401	19.281	ug/l	99
85) sec-Butylbenzene	13.17	105	264645	19.386	ug/l	100
86) p-Isopropyltoluene	13.29	119	238036	19.248	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	115719	18.624	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	110386	18.264	ug/l	98
89) n-Butylbenzene	13.61	91	181530	18.223	ug/l	100
90) Hexachloroethane	13.87	117	37013	18.508	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	120938	19.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15277	19.655	ug/l	99

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ClientSampleId :
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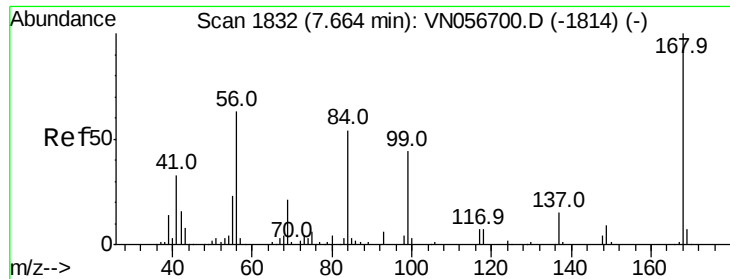
Manual Integrations
APPROVED

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7/19/2019 1:06:37 AM

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56049	18.478	ug/l	98
94) Hexachlorobutadiene	15.01	225	41648	20.088	ug/l	99
95) Naphthalene	15.13	128	158153	19.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61180	19.709	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: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion:168 Resp: 306726

Ion Ratio Lower Upper

168 100

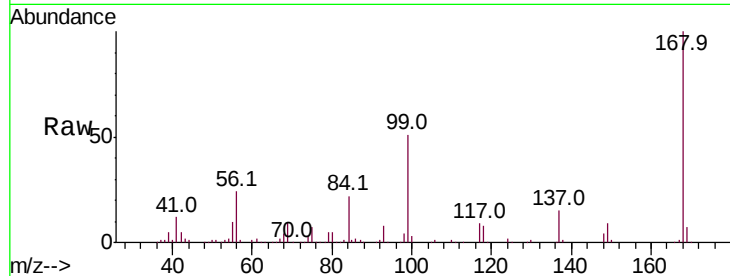
99 50.3 39.4 59.2

Manual Integrations

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7/19/2019 1:06:37 AM



Abundance Ion 167.90 (167.60 to 168.60): VN056700.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN056794.D (-1739) (-)

7.67

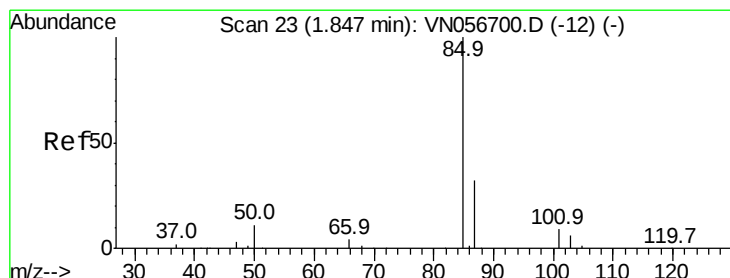
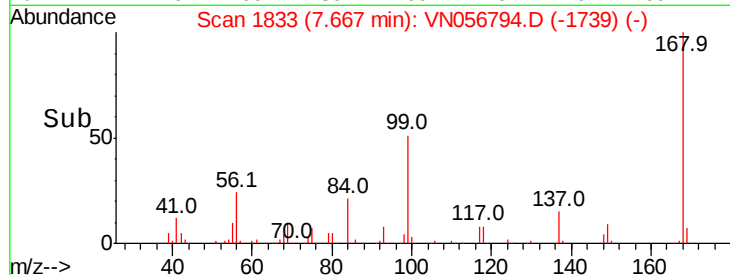
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.647 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056794.D

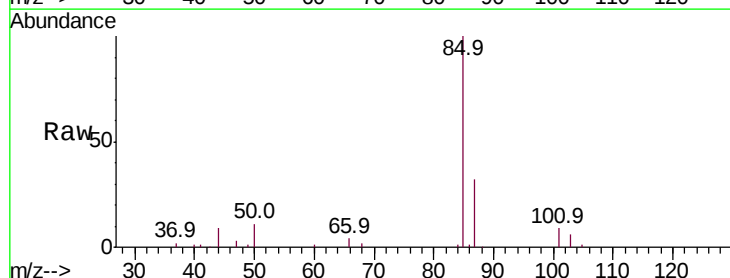
Acq: 17 Jul 2019 14:11

Tgt Ion: 85 Resp: 53706

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056700.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056794.D (-1) (-)

1.85

40000

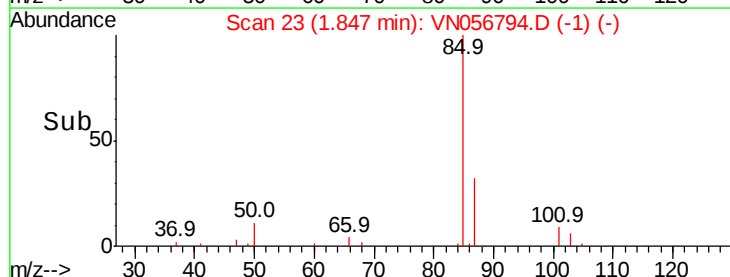
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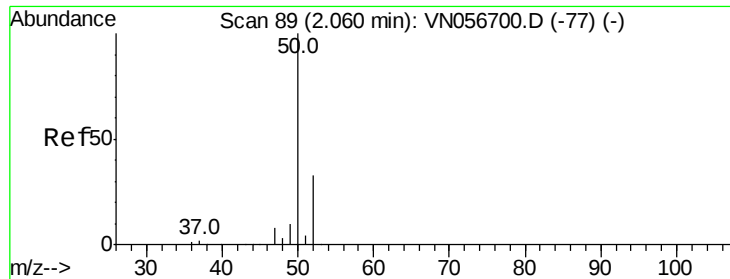
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.431 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 50 Resp: 71367

Ion Ratio Lower Upper

50 100

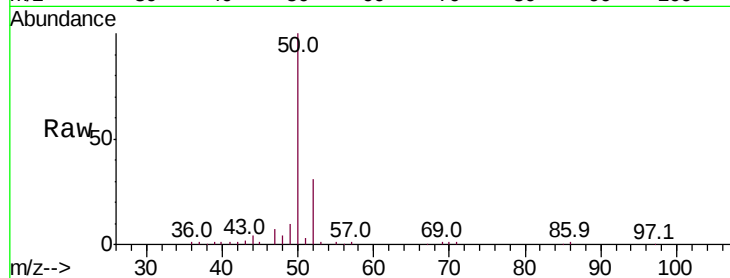
52 31.3 26.5 39.7

Manual Integrations

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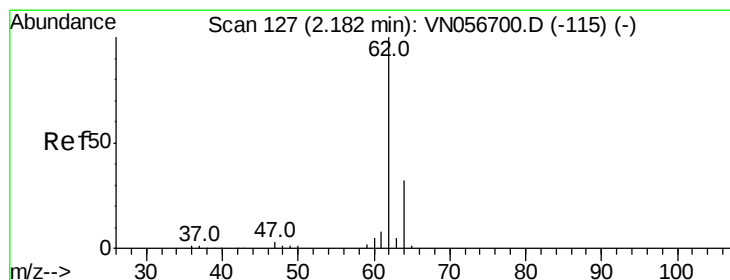
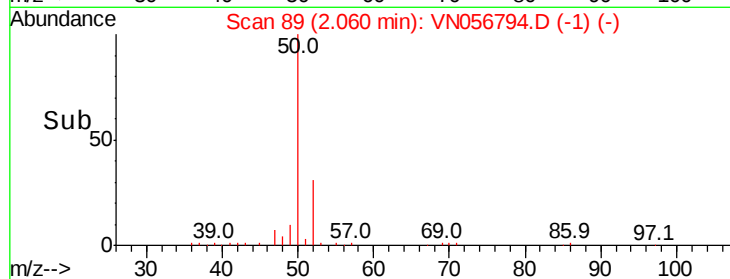
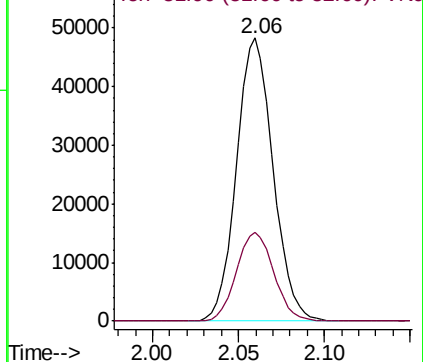
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.551 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056794.D

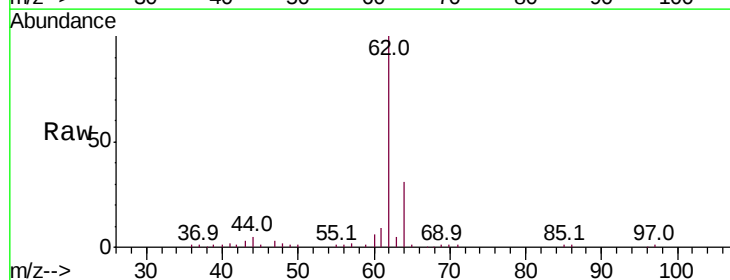
Acq: 17 Jul 2019 14:11

Tgt Ion: 62 Resp: 69174

Ion Ratio Lower Upper

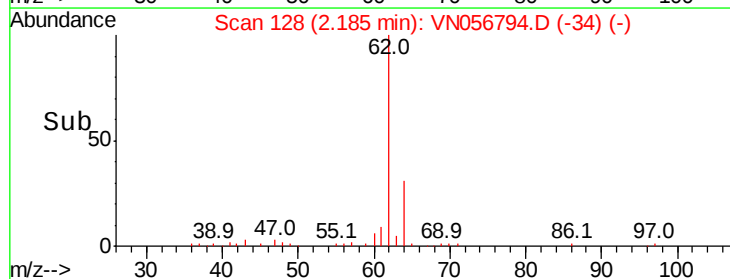
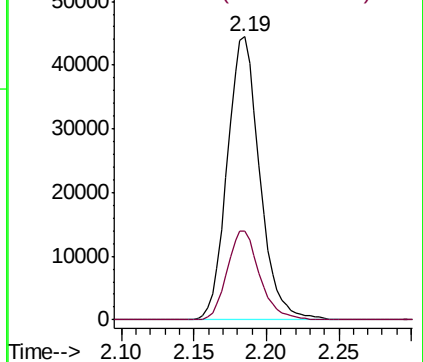
62 100

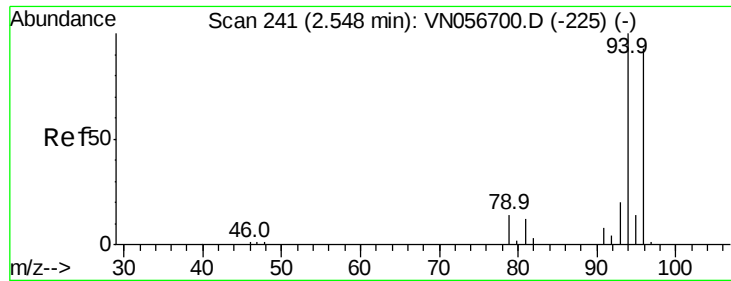
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.011 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 94 Resp: 32916

Ion Ratio Lower Upper

94 100

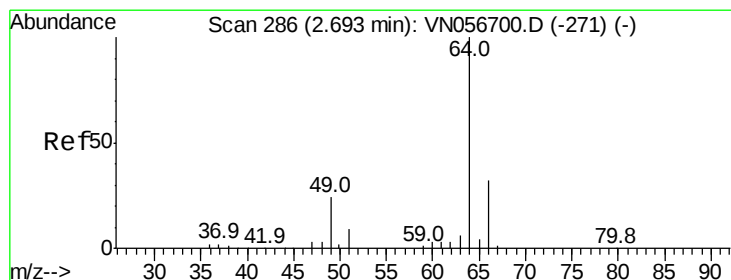
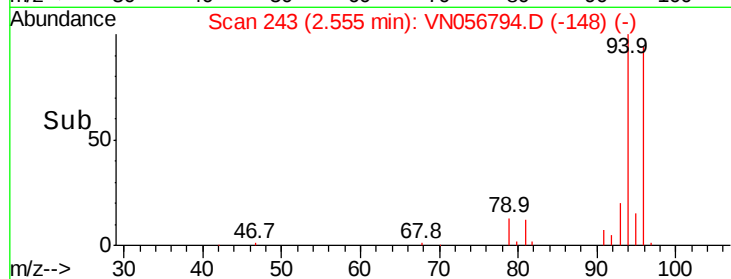
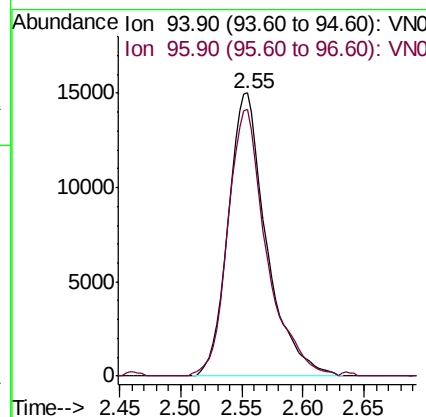
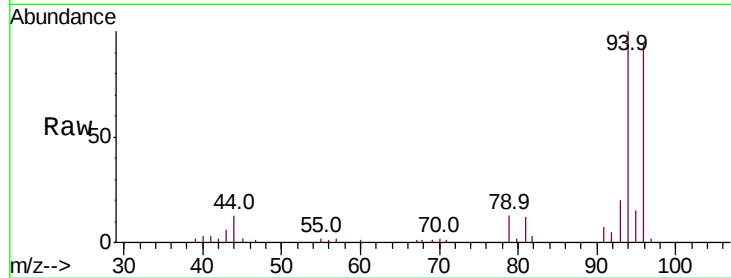
96 93.1 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 18.252 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056794.D

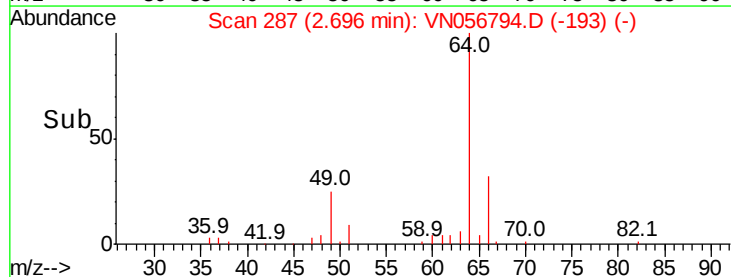
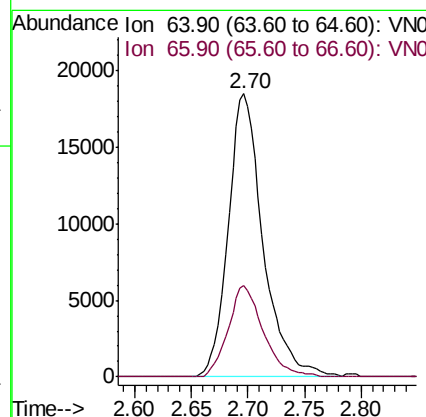
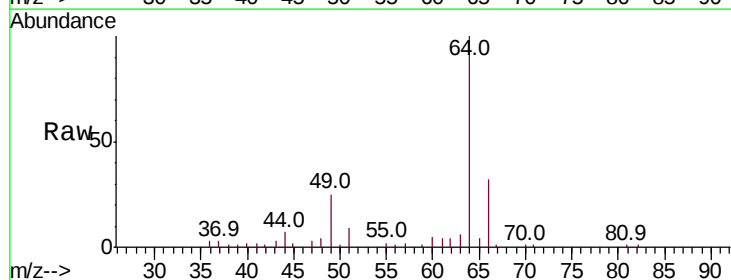
Acq: 17 Jul 2019 14:11

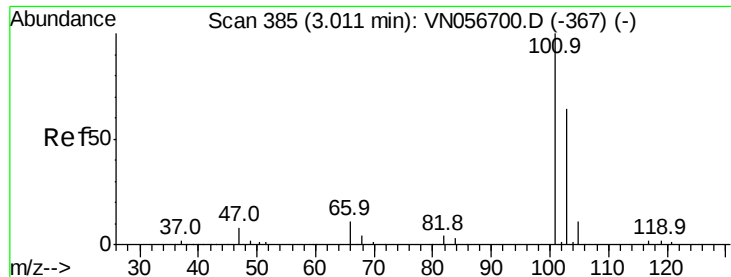
Tgt Ion: 64 Resp: 39659

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.8





#7

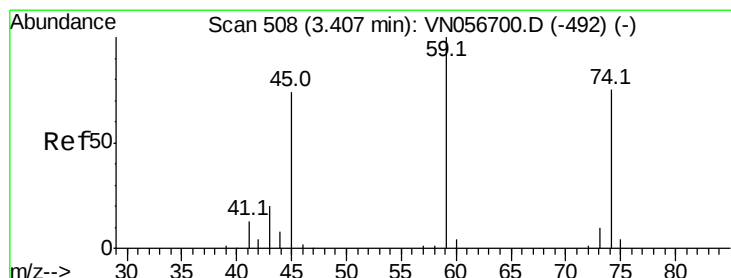
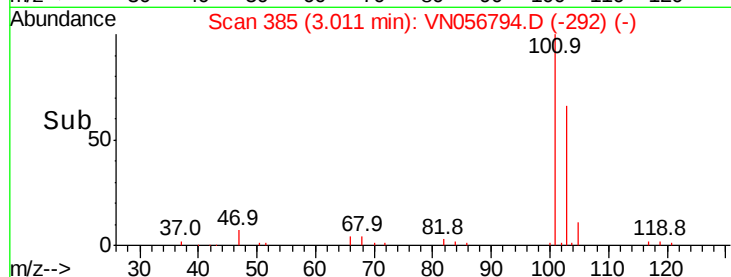
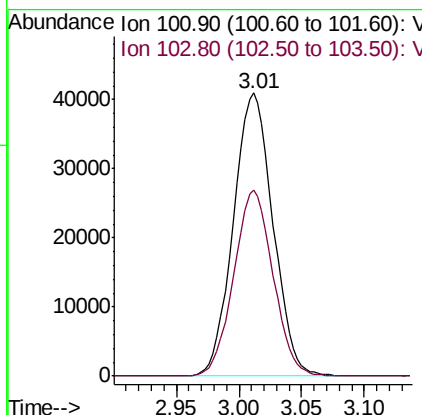
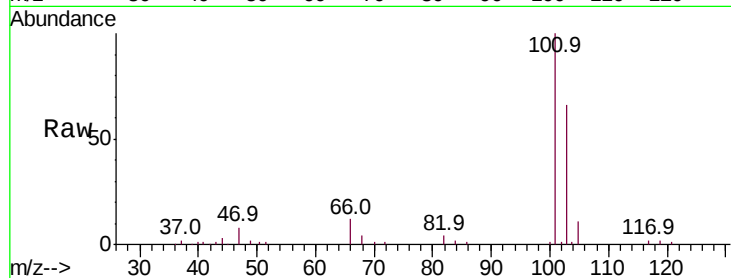
Trichlorofluoromethane
Concen: 18.794 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

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ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.5	77.3

Manual Integrations
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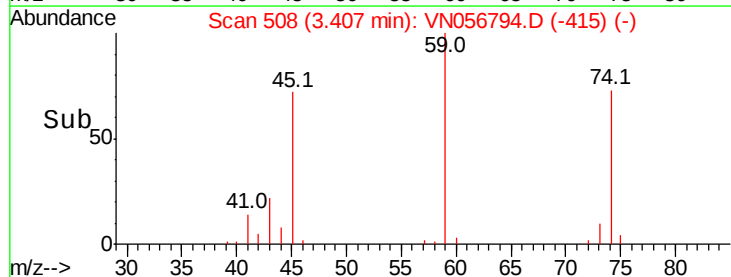
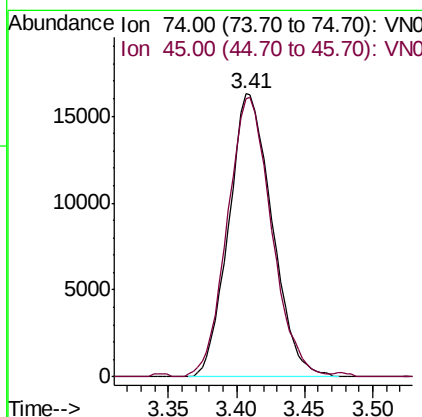
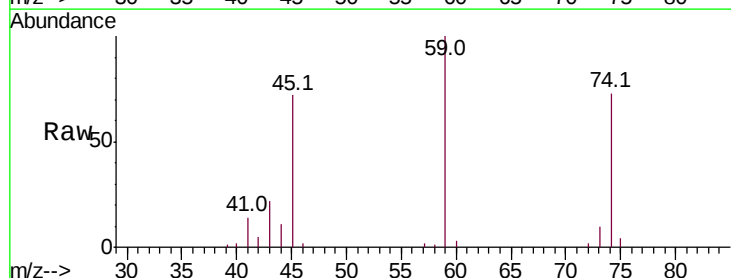
MMDadoda
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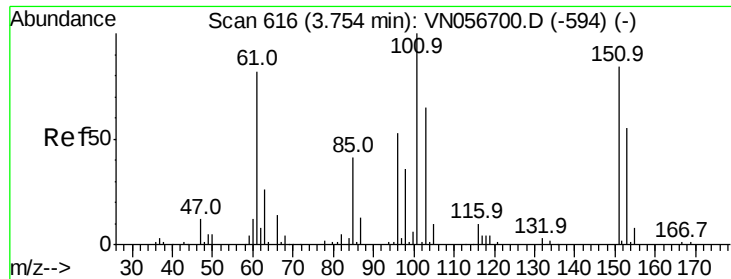


#8

Diethyl Ether
Concen: 19.259 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.953 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

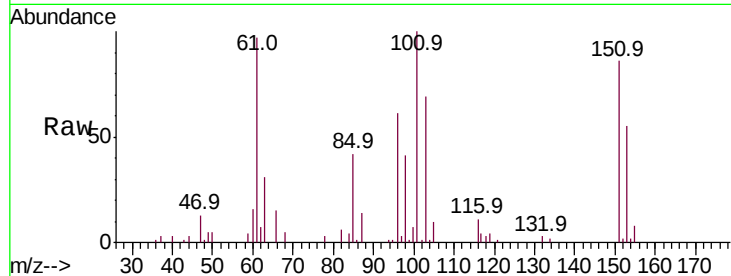
ClientSampleId :

VN0717WBSD01

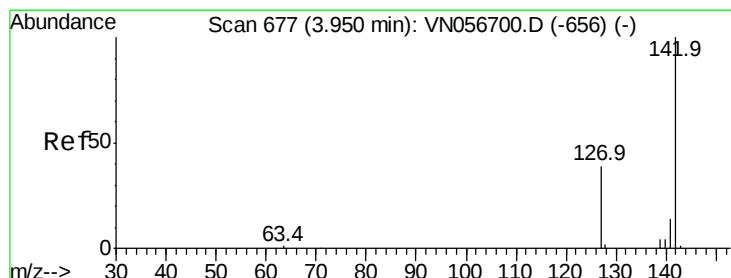
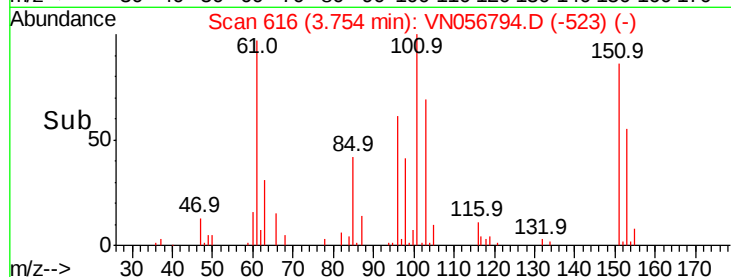
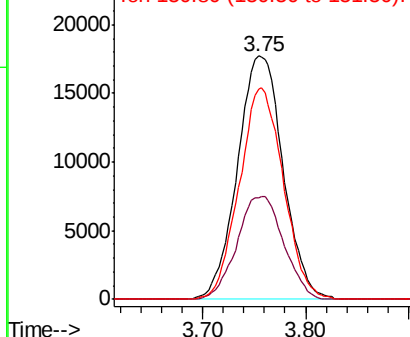
Tot Ion:	101	Resp:	54484
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.3	49.9
151	83.7	67.0	100.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.560 ug/l

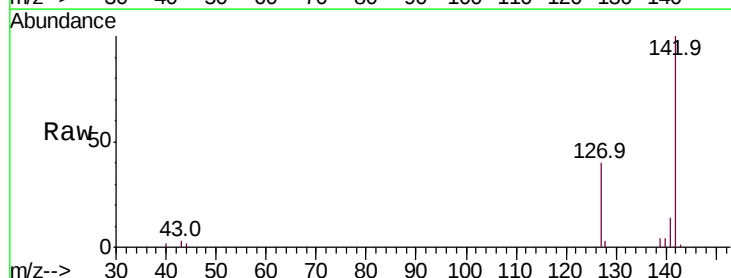
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

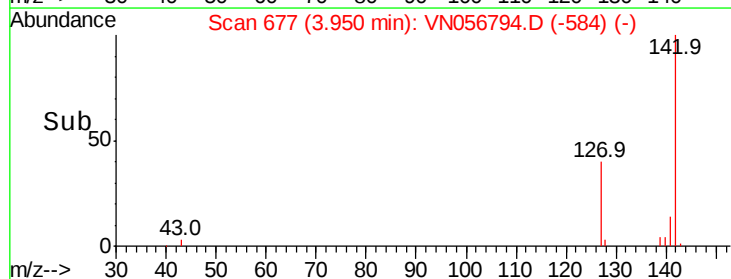
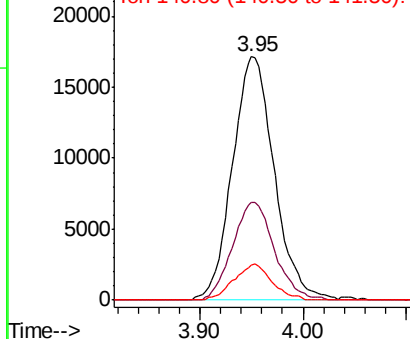
Lab File: VN056794.D

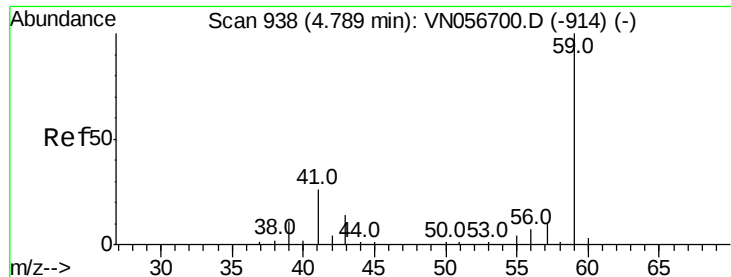
Acq: 17 Jul 2019 14:11

Tgt Ion:	142	Resp:	48293
Ion Ratio	Lower	Upper	
142	100		
127	40.3	30.7	46.1
141	13.4	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

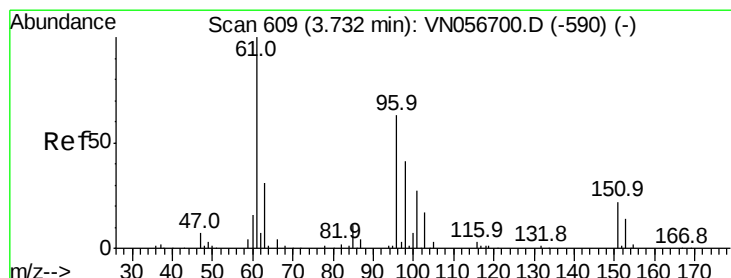
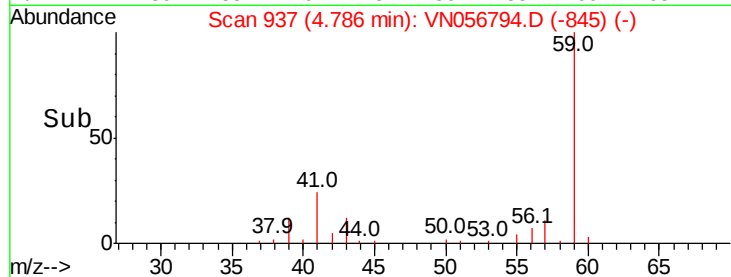
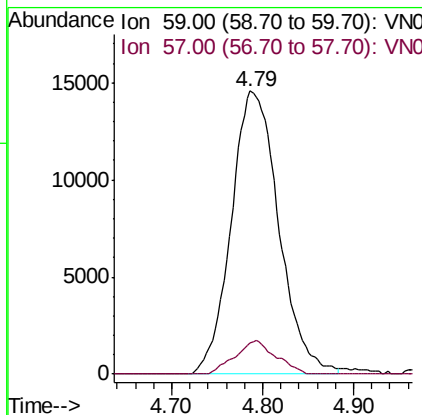
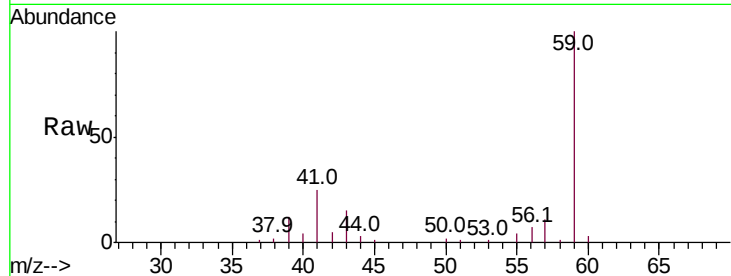
Tert butyl alcohol
 Concen: 93.580 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

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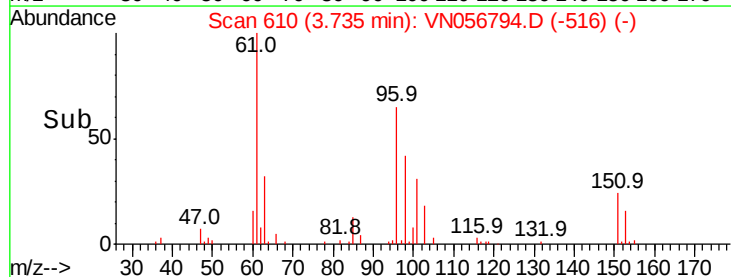
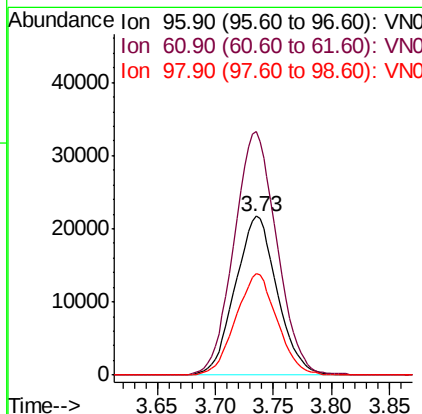
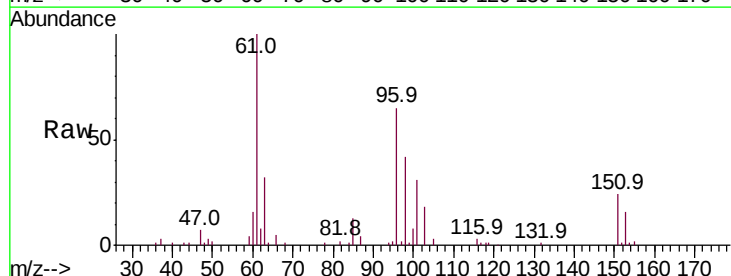
MMDadoda
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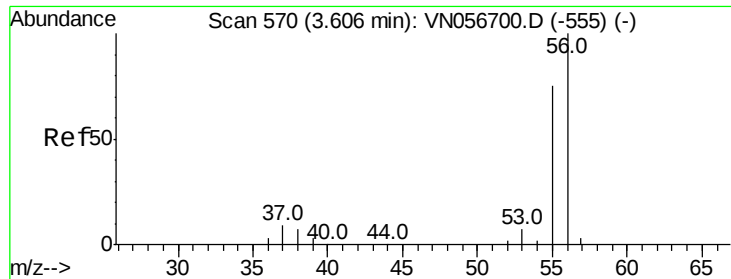


#12

1,1-Dichloroethene
 Concen: 18.966 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	126.6	189.8
98	64.2	51.4	77.2





#13

Acrolein

Concen: 88.969 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 56 Resp: 15776

Ion Ratio Lower Upper

56 100

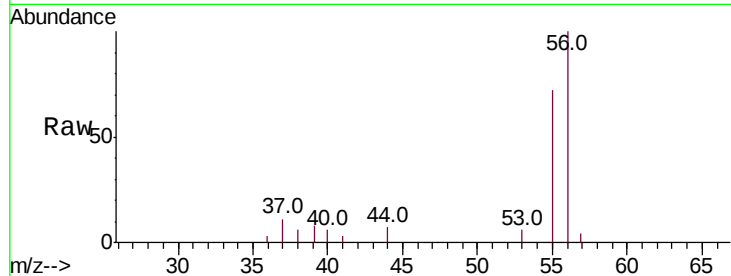
55 71.2 58.0 87.0

Manual Integrations

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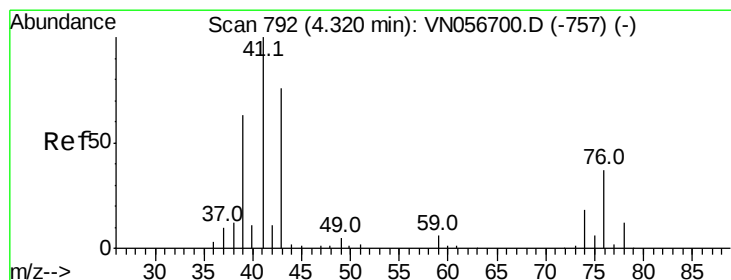
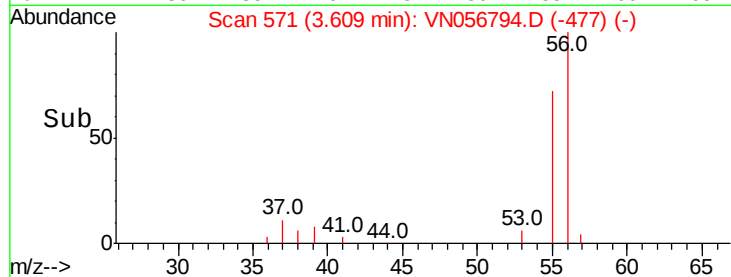
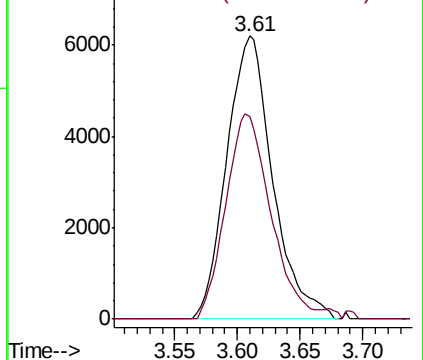
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.636 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

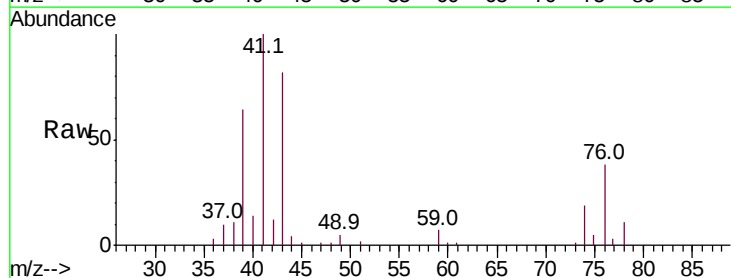
Tgt Ion: 41 Resp: 92926

Ion Ratio Lower Upper

41 100

39 58.9 46.9 70.3

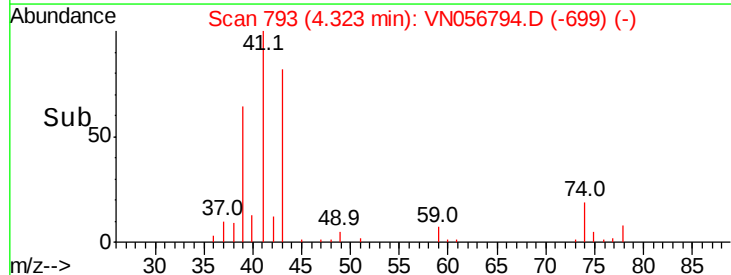
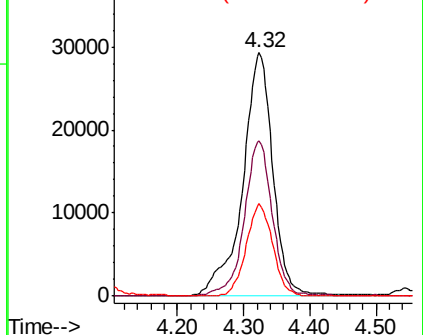
76 33.0 26.5 39.7

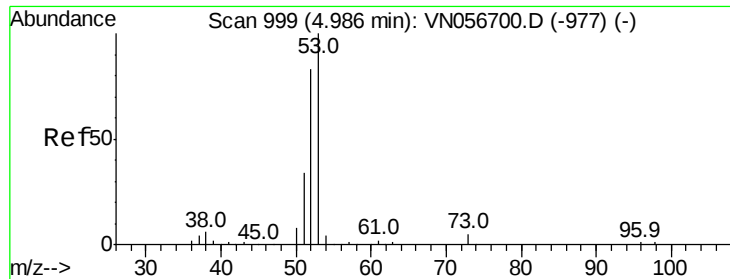


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.077 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

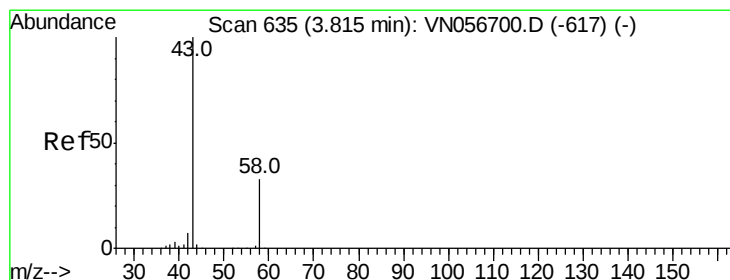
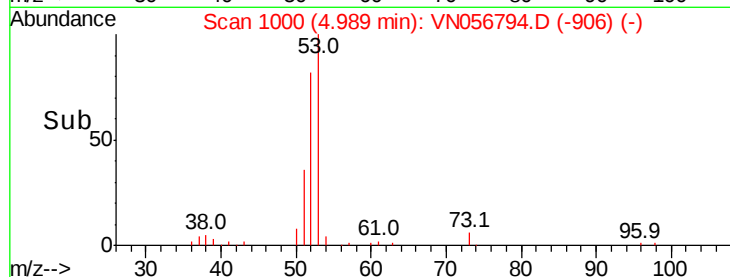
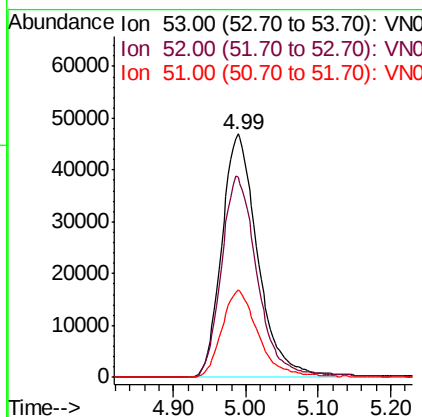
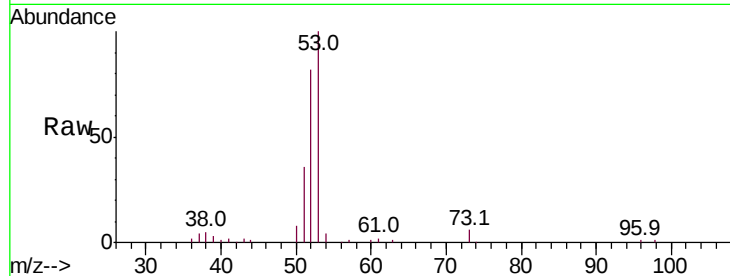
ClientSampleId :

VN0717WBSD01

Tot Ion:	53	Resp:	161582
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	99.8
51	36.1	28.4	42.6

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#16

Acetone

Concen: 81.002 ug/l

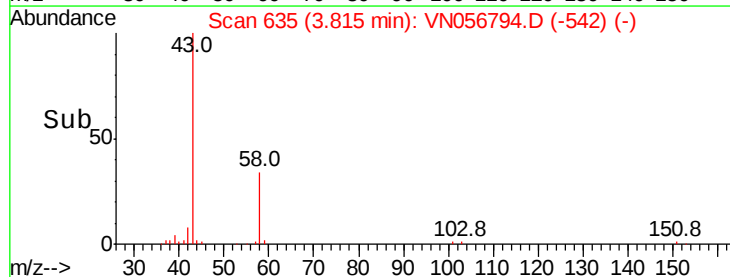
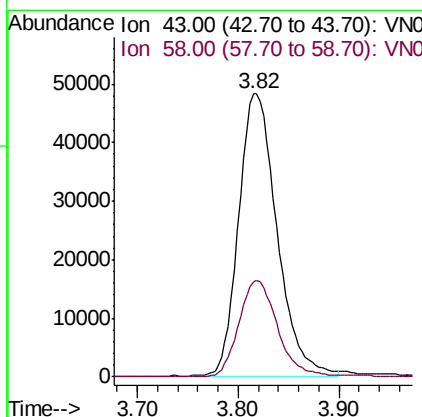
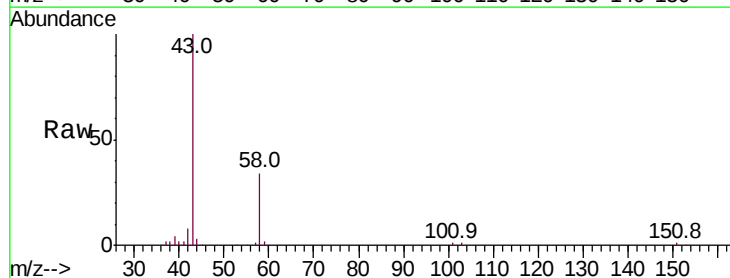
RT: 3.82 min Scan# 635

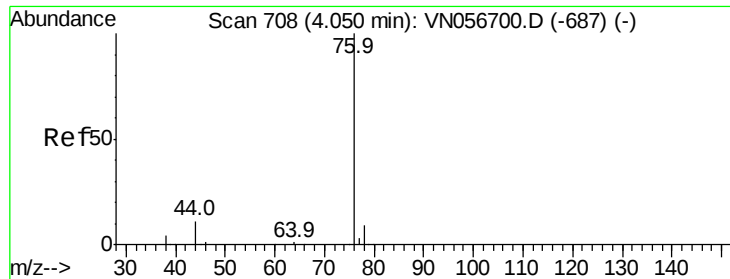
Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion:	43	Resp:	126646
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.7	40.1





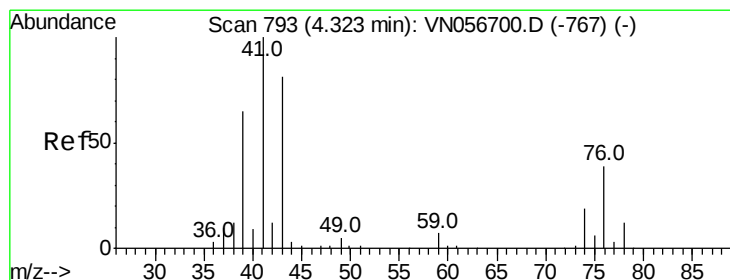
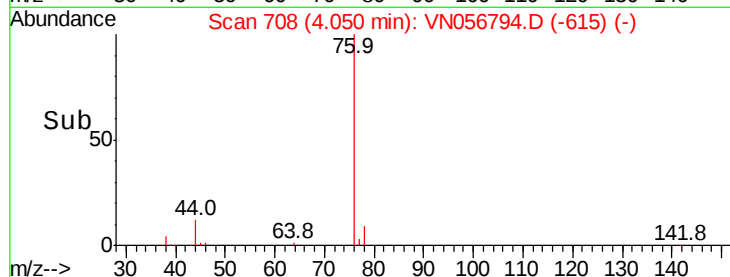
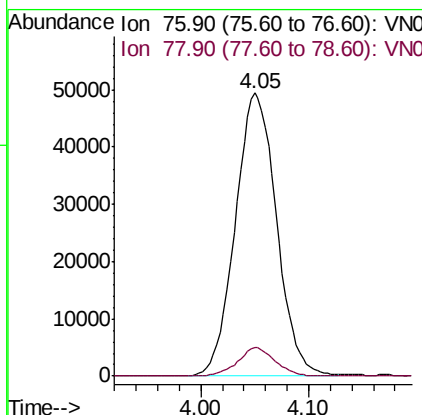
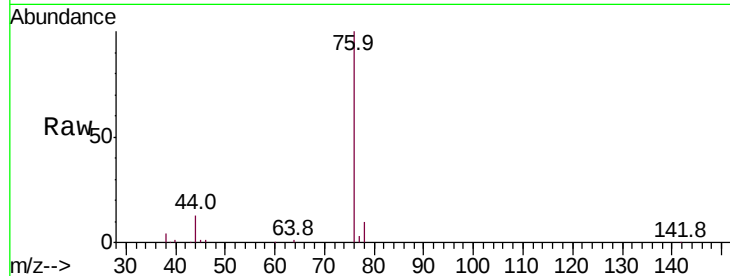
#17
Carbon Disulfide
Concen: 17.266 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.0

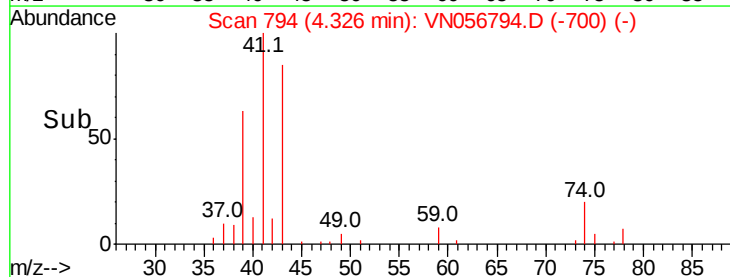
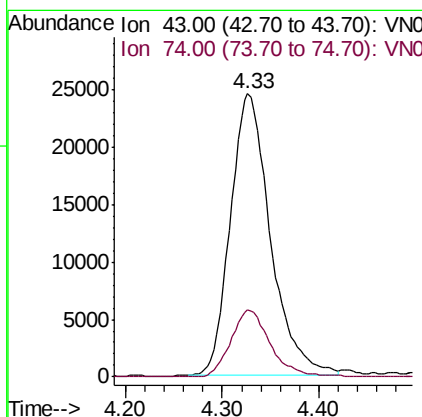
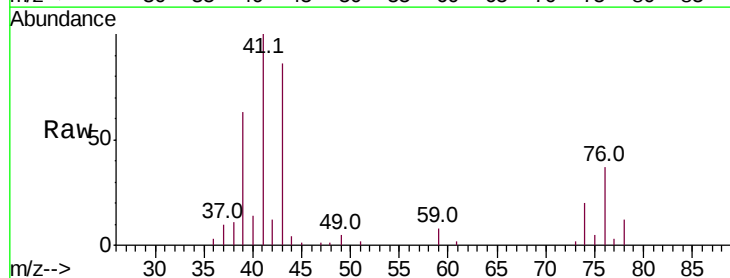
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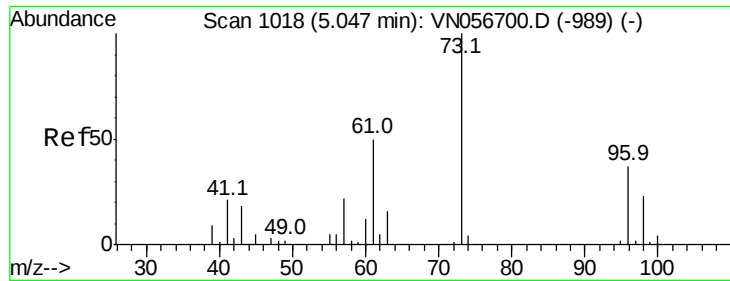
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#18
Methyl Acetate
Concen: 19.475 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3





#19

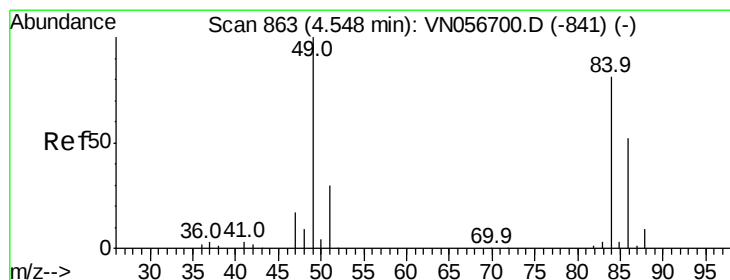
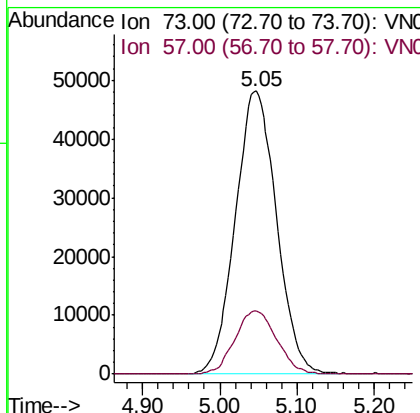
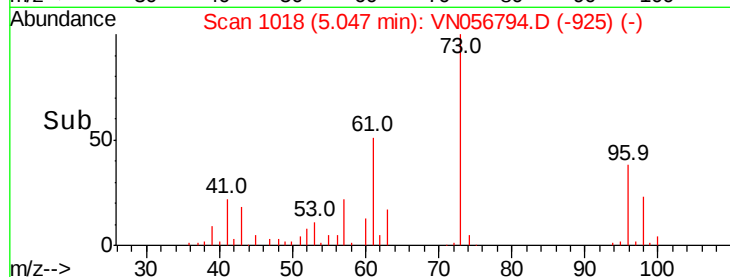
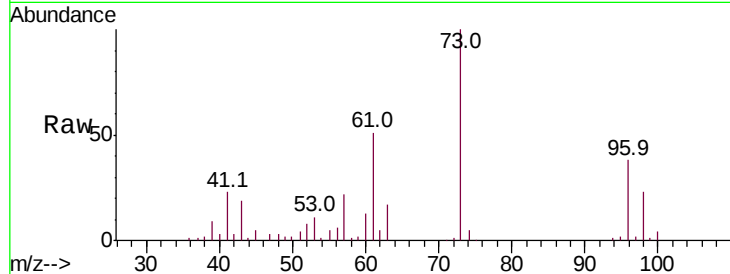
Methyl tert-butyl Ether
 Concen: 19.425 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion: 73 Resp: 178463
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.9 26.9

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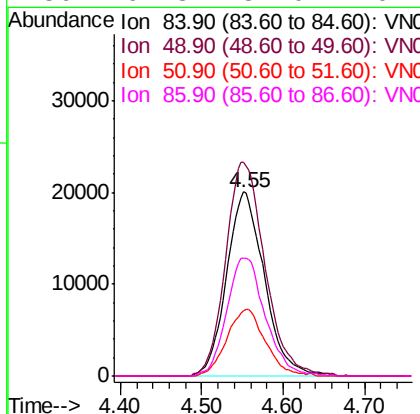
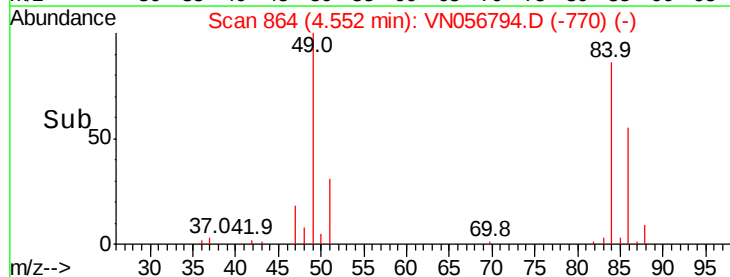
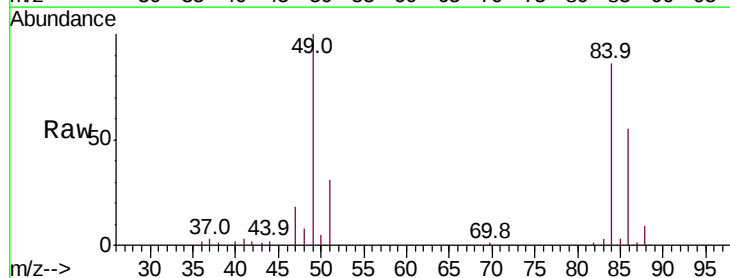
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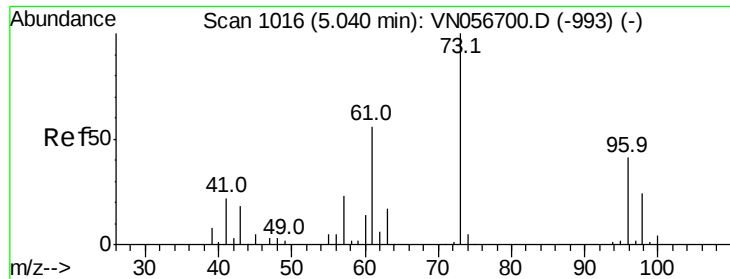


#20

Methylene Chloride
 Concen: 18.982 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion: 84 Resp: 64857
 Ion Ratio Lower Upper
 84 100
 49 116.1 98.2 147.4
 51 35.8 29.6 44.4
 86 64.3 51.0 76.4





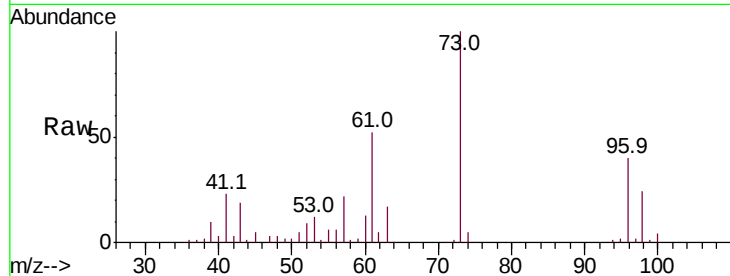
#21
trans-1,2-Dichloroethene
Concen: 19.264 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

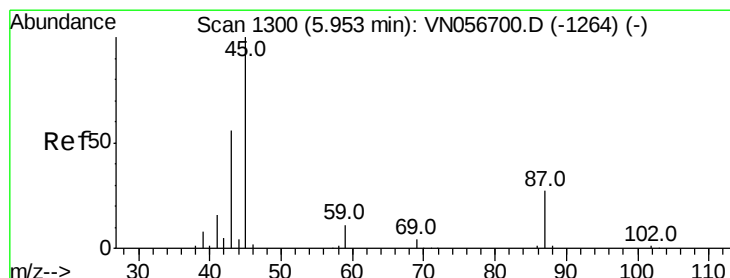
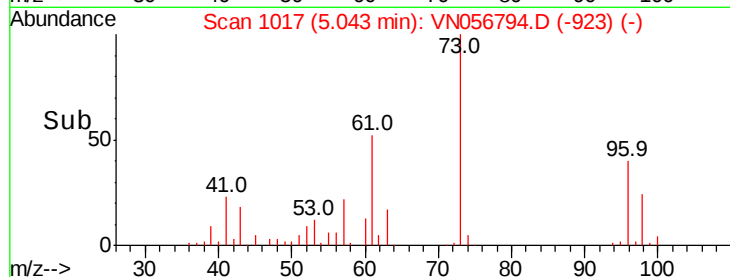
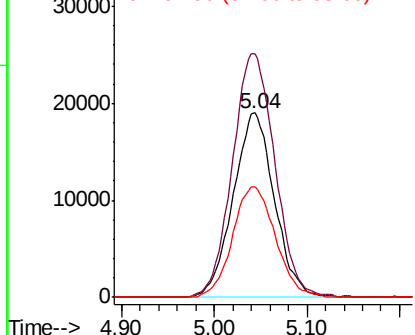
Tot Ion: 96 Resp: 58716
Ion Ratio Lower Upper
96 100
61 131.7 109.4 164.2
98 59.9 48.0 72.0

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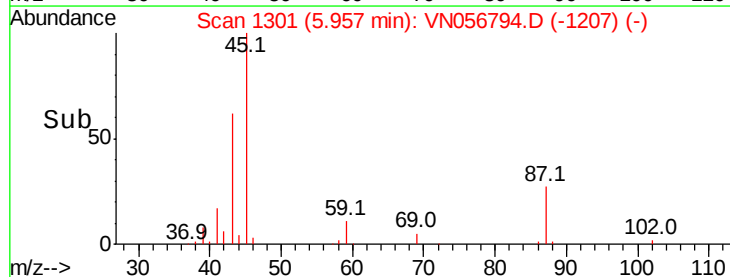
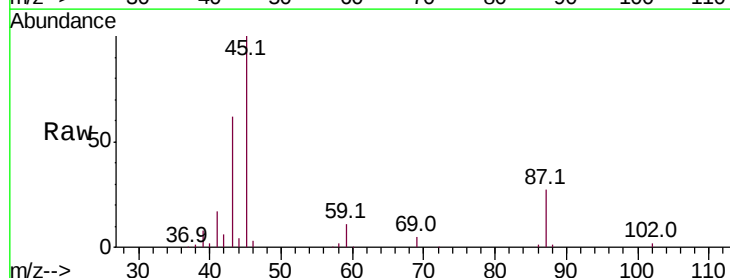
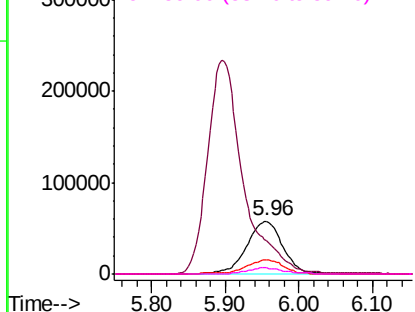
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

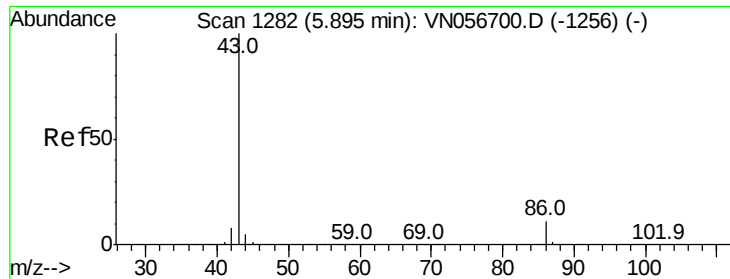


#22
Diisopropyl ether
Concen: 19.976 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 45 Resp: 196617
Ion Ratio Lower Upper
45 100
43 59.9 45.6 68.4
87 27.0 22.0 33.0
59 11.2 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





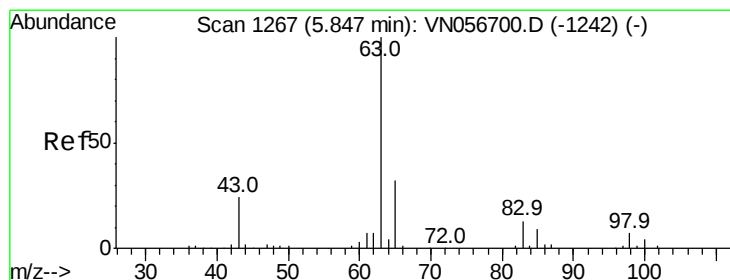
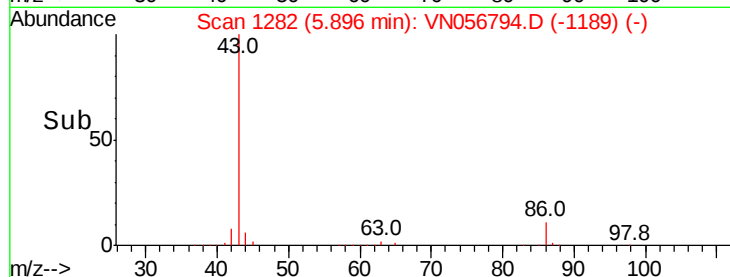
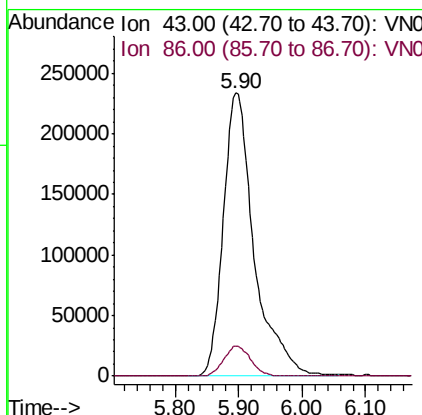
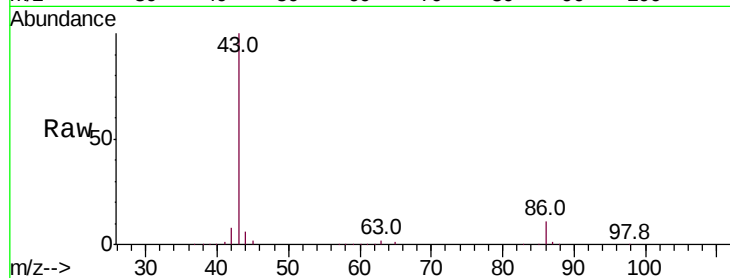
#23
 Vinyl Acetate
 Concen: 99.072 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.5	12.7

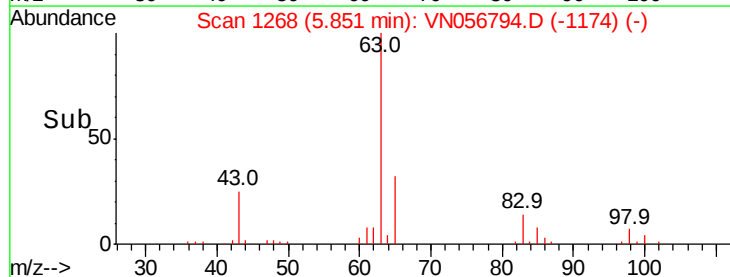
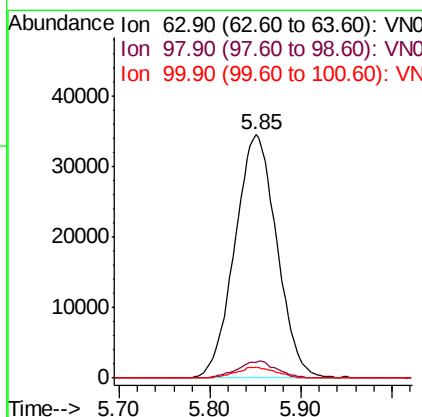
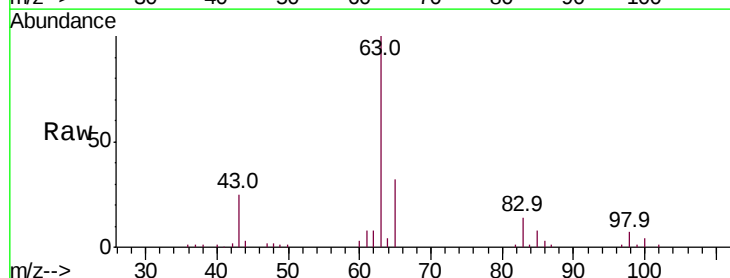
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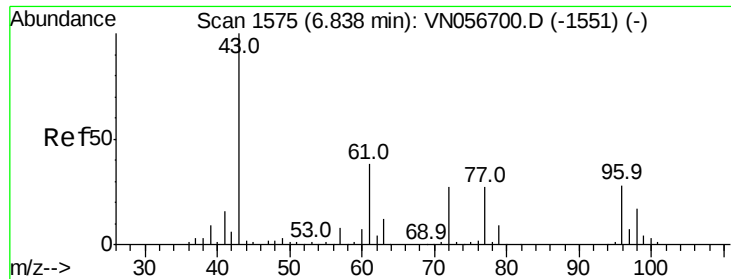
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#24
 1,1-Dichloroethane
 Concen: 19.358 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	4.2	2.0	5.8





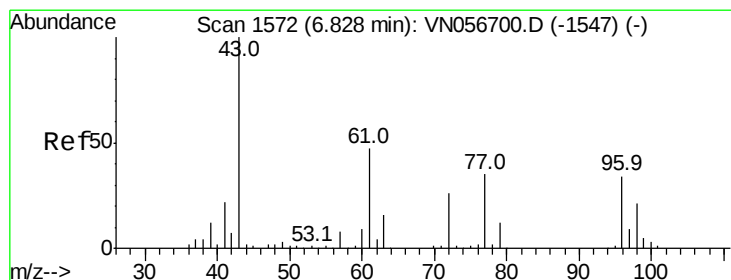
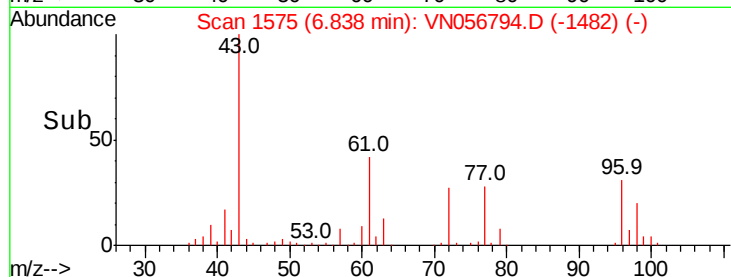
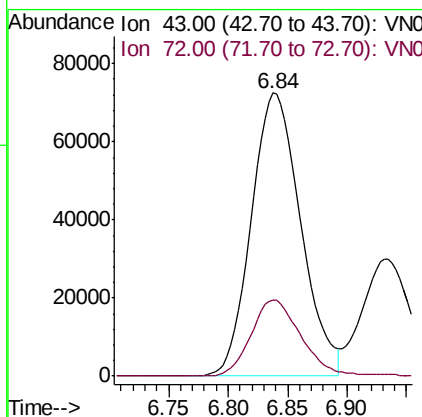
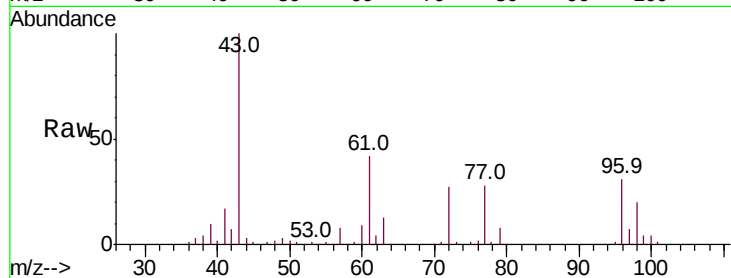
#25
2-Butanone
Concen: 91.307 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion: 43 Resp: 208714
Ion Ratio Lower Upper
43 100
72 27.0 21.2 31.8

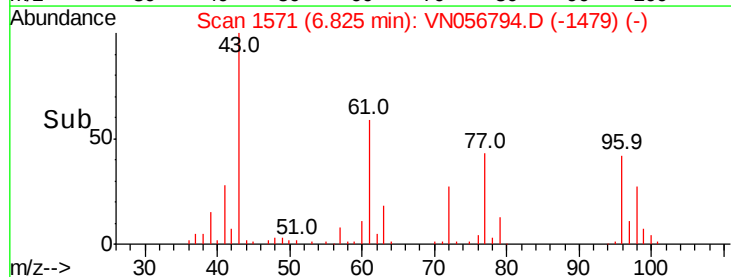
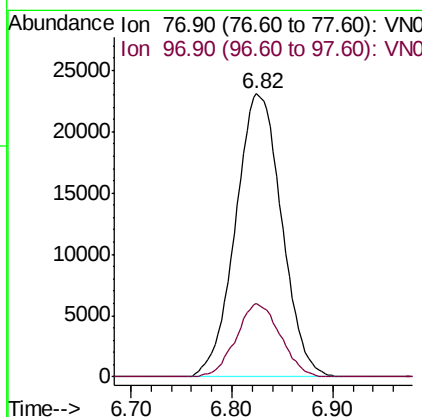
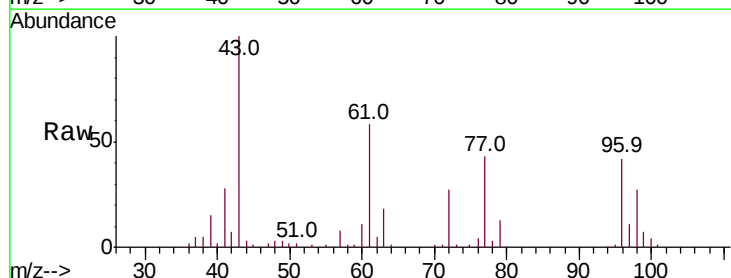
Manual Integrations
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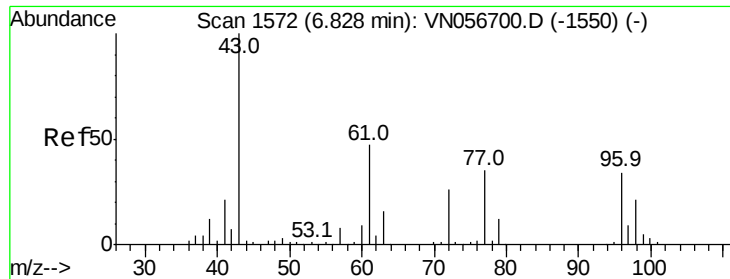
MMDadoda
7/19/2019 1:06:37 AM



#26
2,2-Dichloropropane
Concen: 17.803 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 77 Resp: 73253
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.688 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

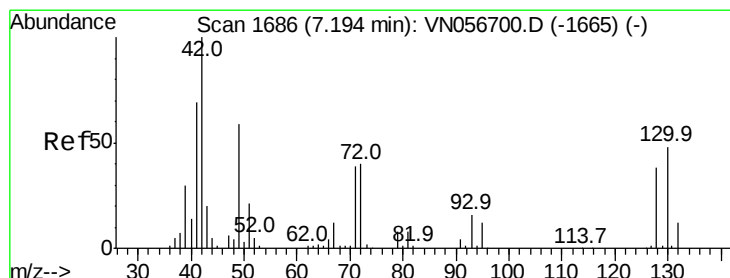
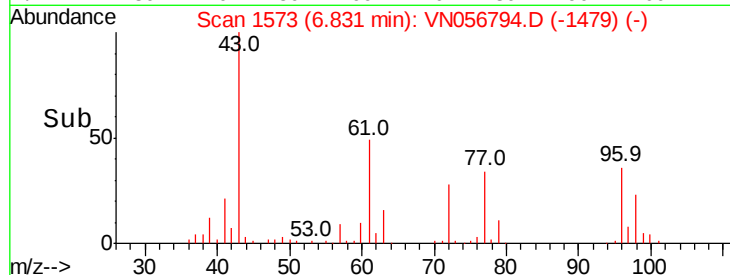
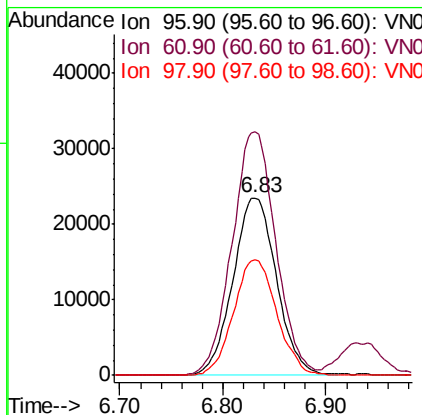
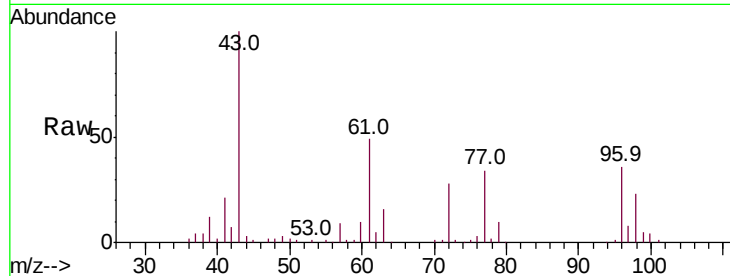
ClientSampleId :

VN0717WBSD01

Tot Ion:	96	Resp:	69047
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	281.4
98	64.5	0.0	127.8

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7/19/2019 1:06:37 AM



#28

Bromochloromethane

Concen: 20.741 ug/l

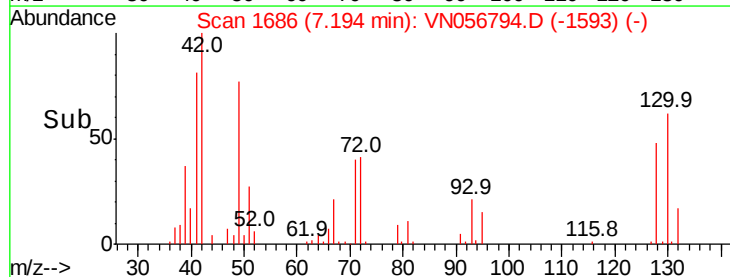
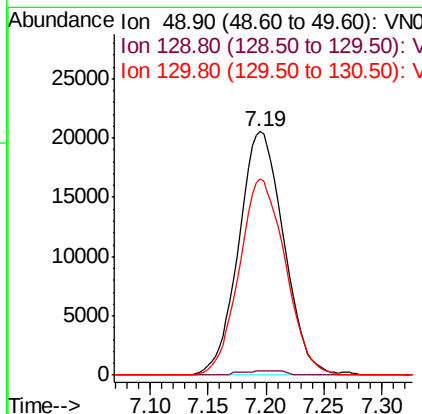
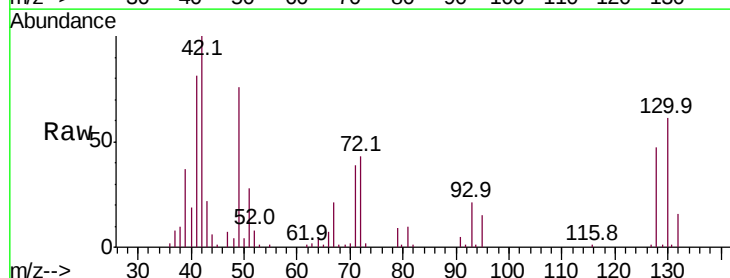
RT: 7.19 min Scan# 1686

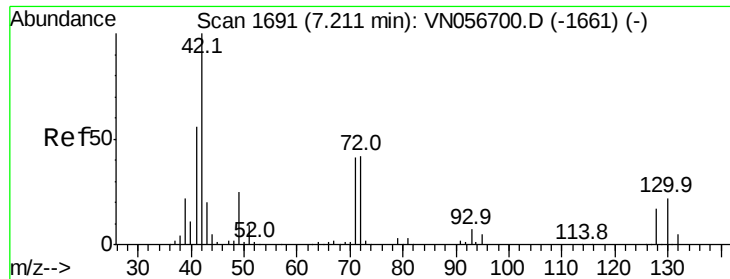
Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion:	49	Resp:	55649
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	82.4	64.7	97.1





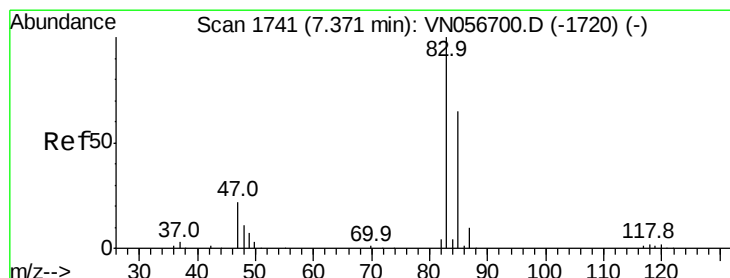
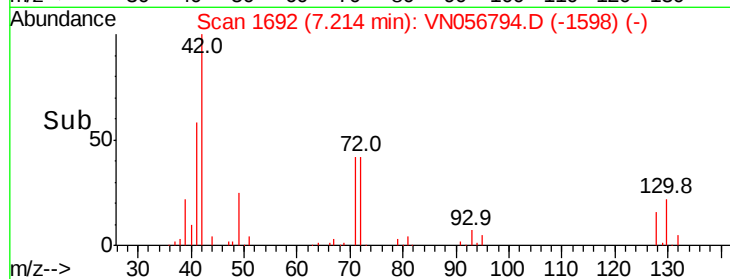
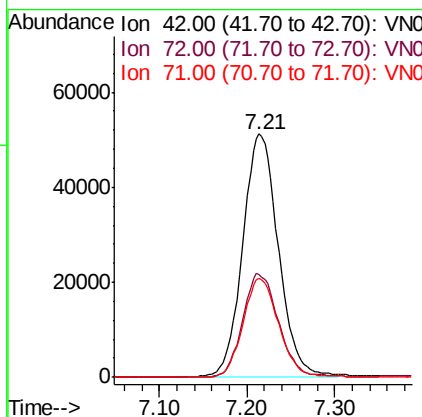
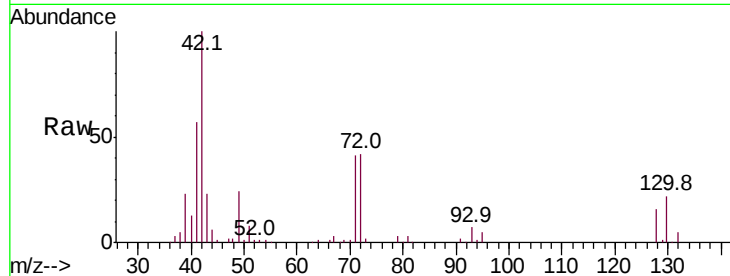
#29
Tetrahydrofuran
Concen: 97.533 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.5	50.3
71	40.7	31.8	47.8

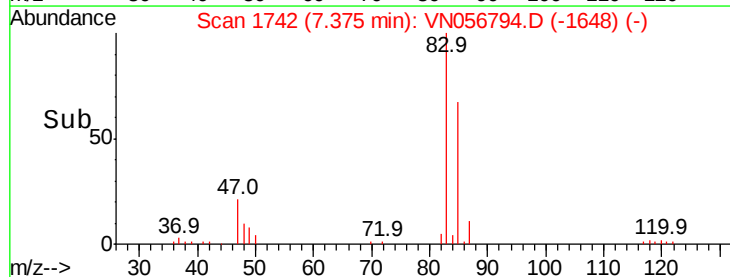
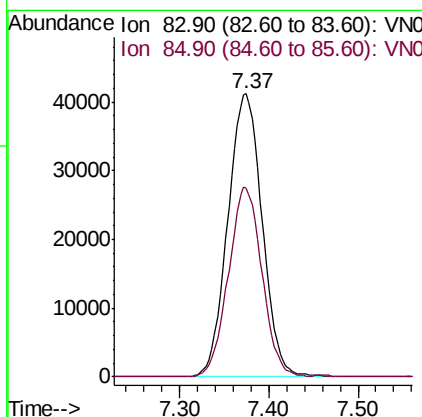
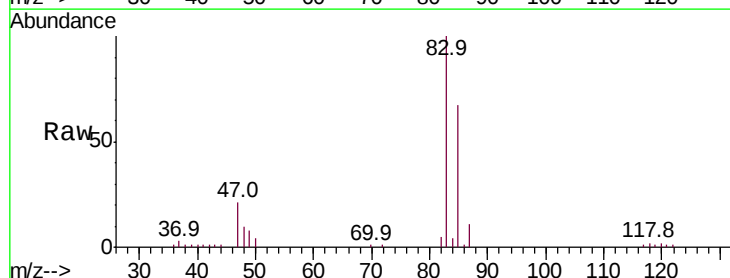
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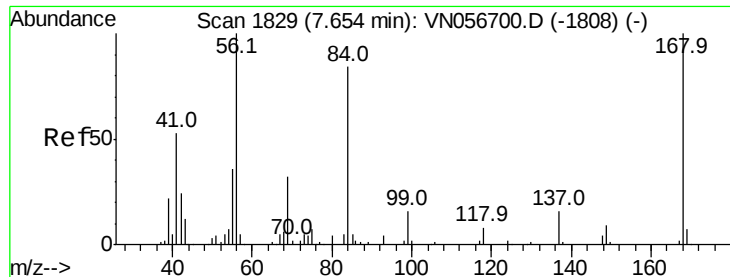
MMDadoda
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#30
Chloroform
Concen: 19.270 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.9	77.9





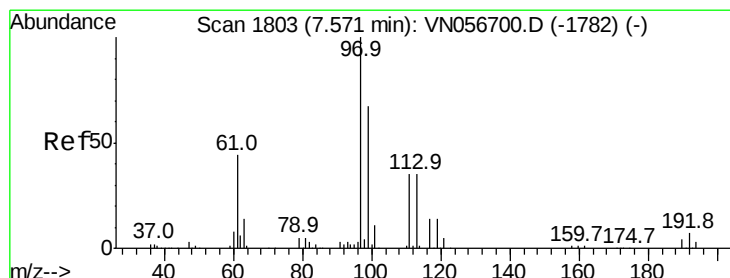
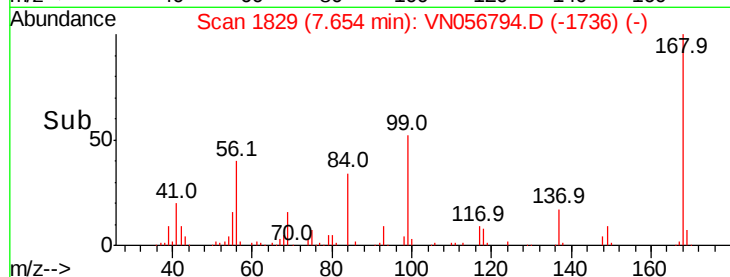
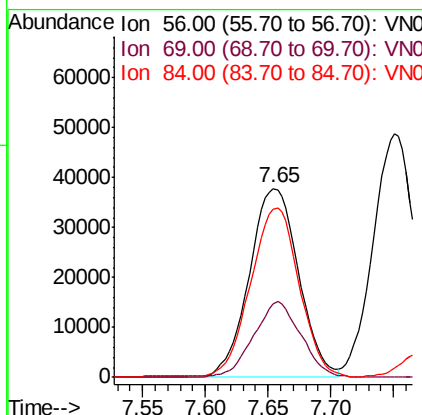
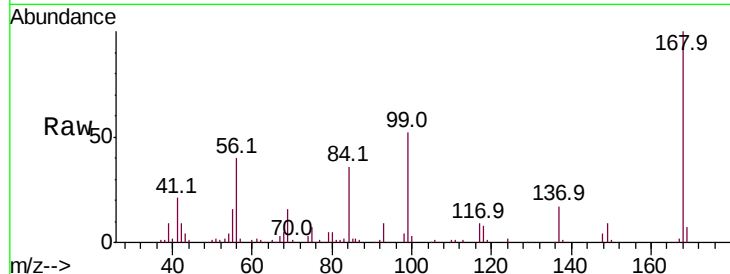
#31
Cyclohexane
Concen: 19.087 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	25.8	38.8#
84	88.0	67.4	101.0

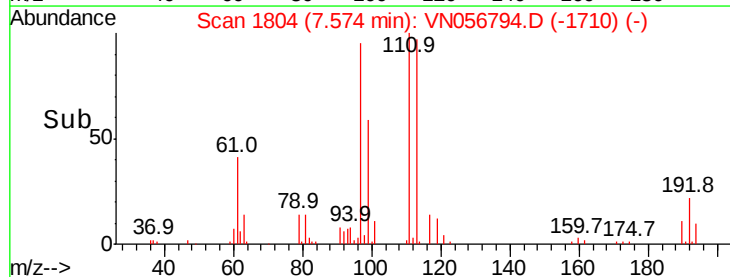
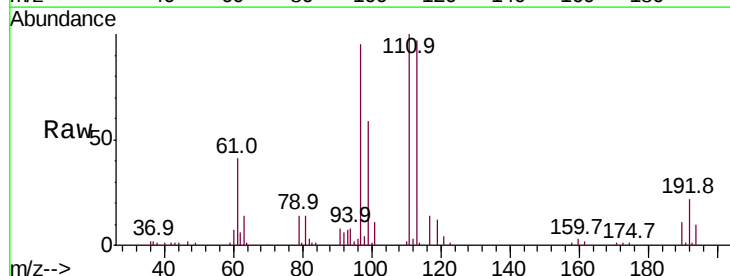
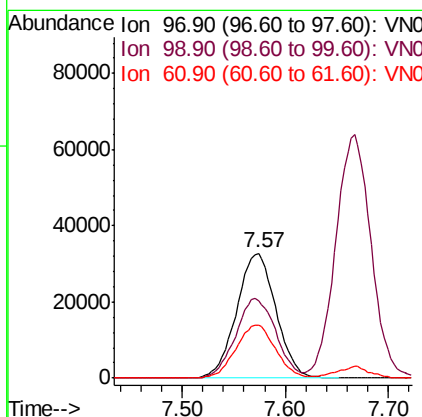
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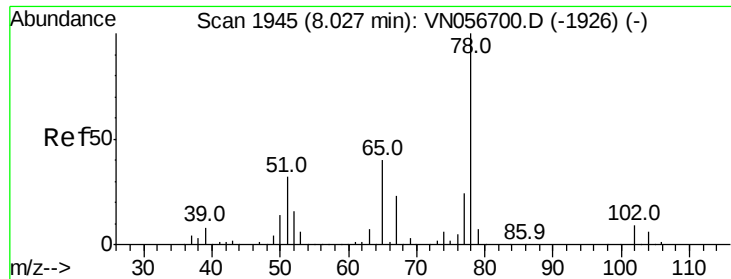
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#32
1,1,1-Trichloroethane
Concen: 19.254 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	42.8	34.3	51.5





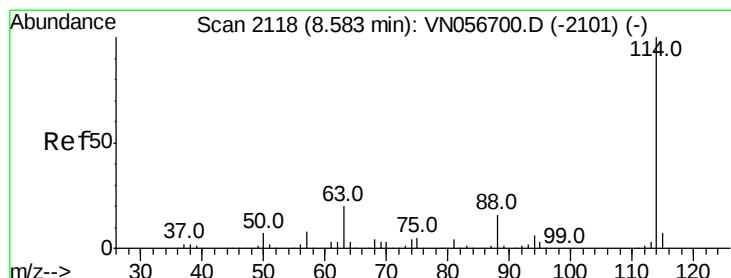
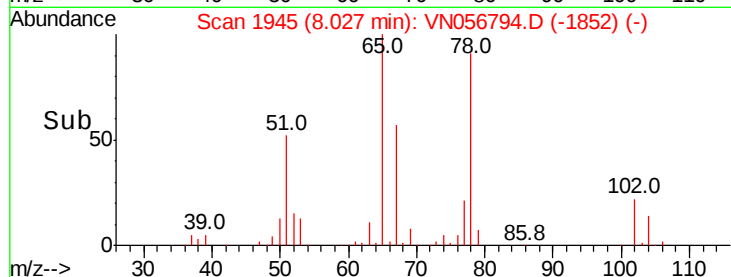
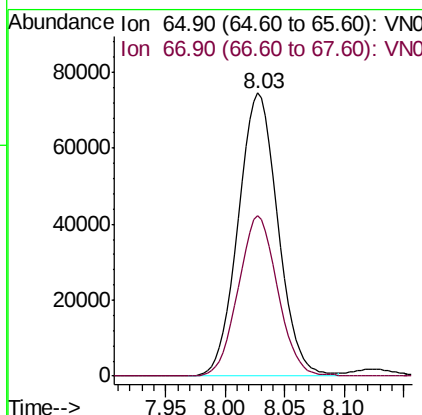
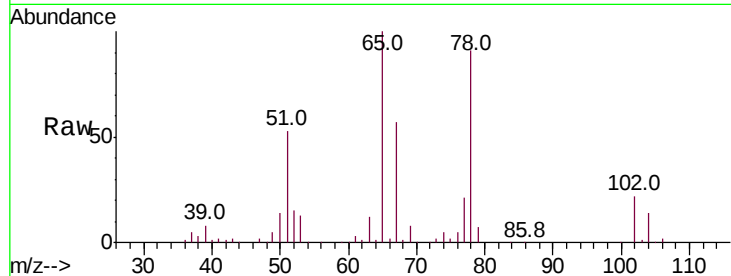
#33
 1,2-Dichloroethane-d4
 Concen: 50.832 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172463		
67	56.0	0.0	109.0	

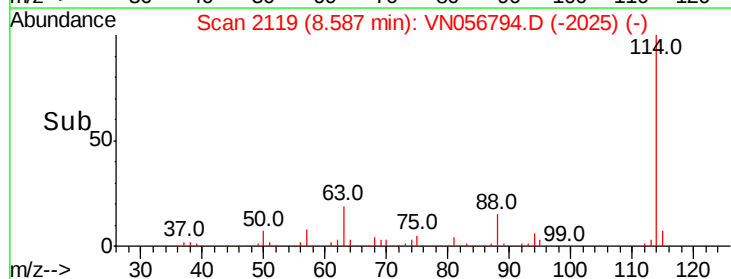
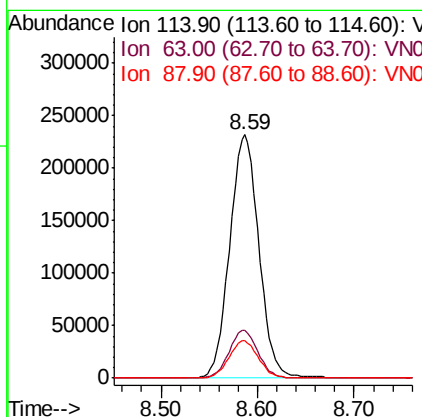
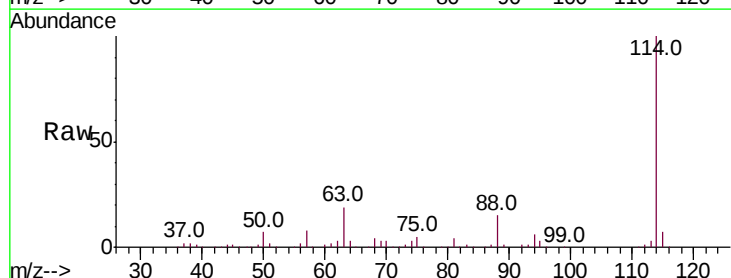
Manual Integrations
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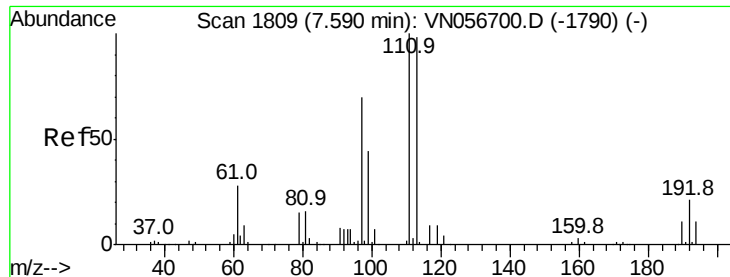
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 7/19/2019 1:06:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486860		
63	19.4	0.0	39.4	
88	15.3	0.0	31.2	





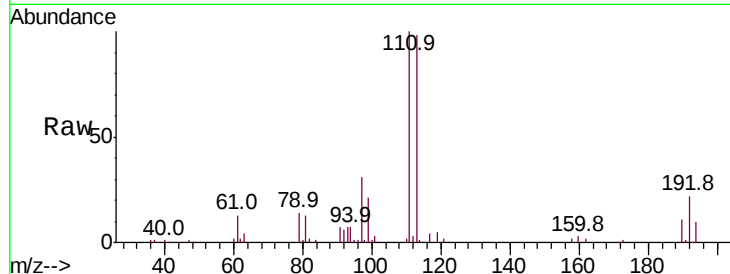
#35
 Dibromofluoromethane
 Concen: 49.836 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.8	122.6	
192	22.6	17.5	26.3	

Manual Integrations
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 7/19/2019 1:06:37 AM

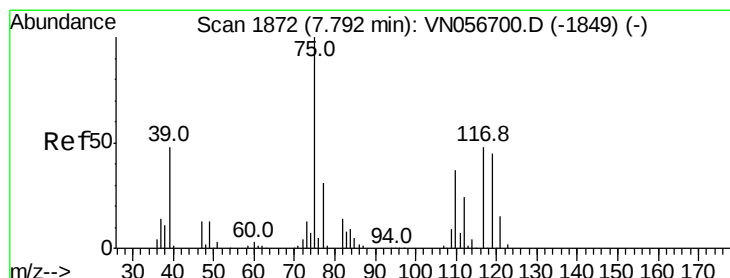
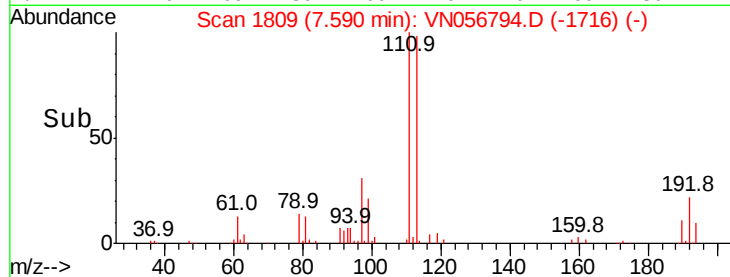
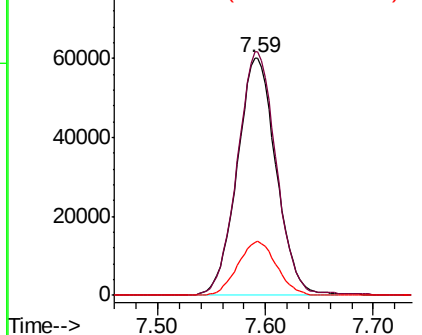


Abundance

Ion 112.80 (112.50 to 113.50): V

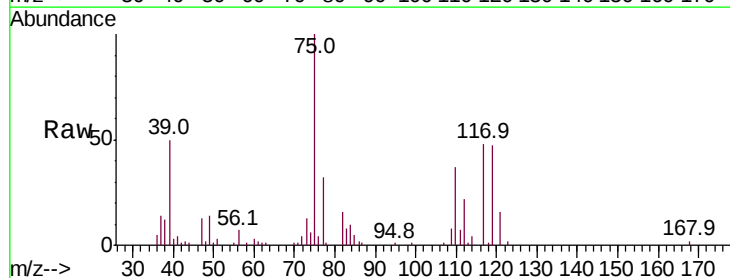
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 17.856 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.4	55.4	
77	31.6	24.6	36.8	

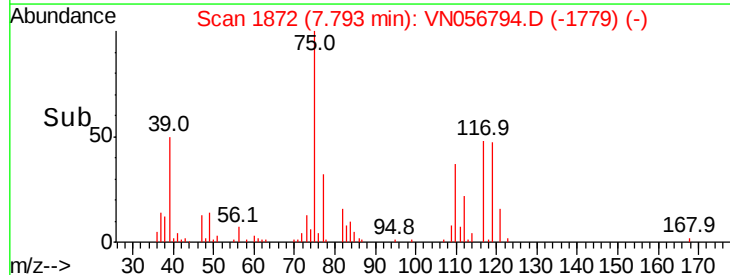
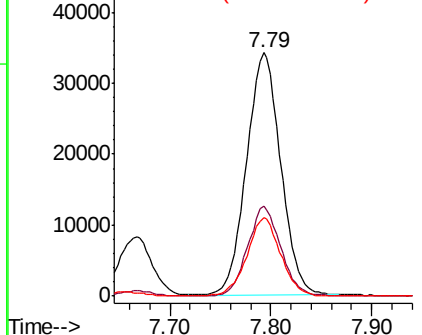


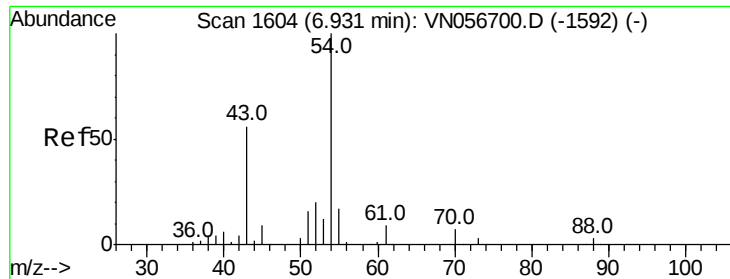
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





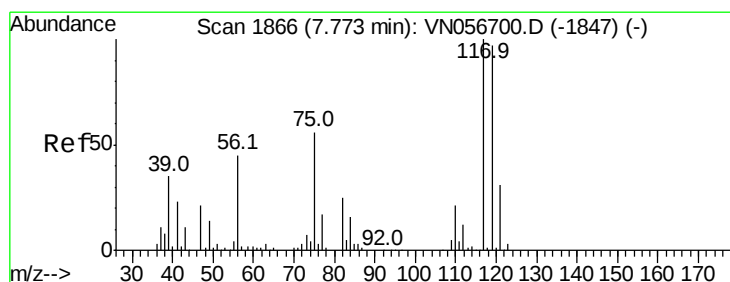
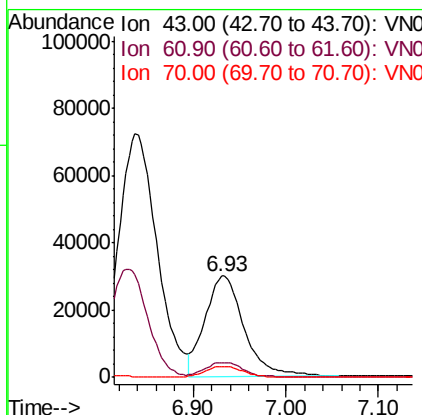
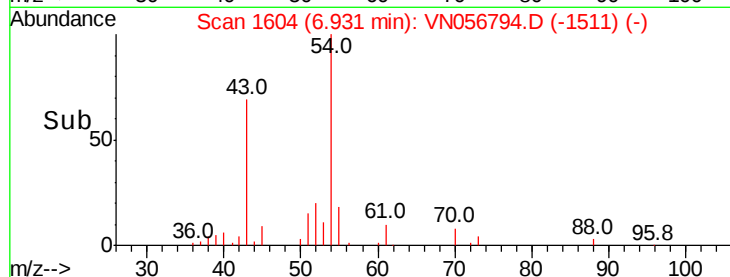
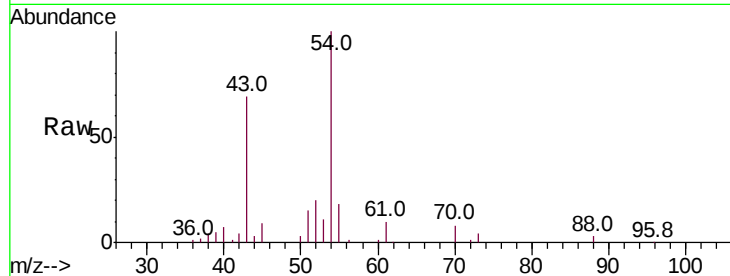
#37
Ethyl Acetate
Concen: 19.563 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleID :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	10.6	8.5	12.7

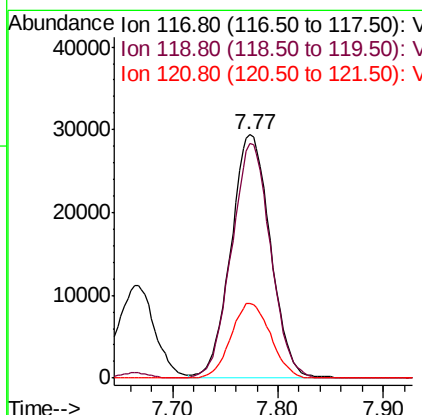
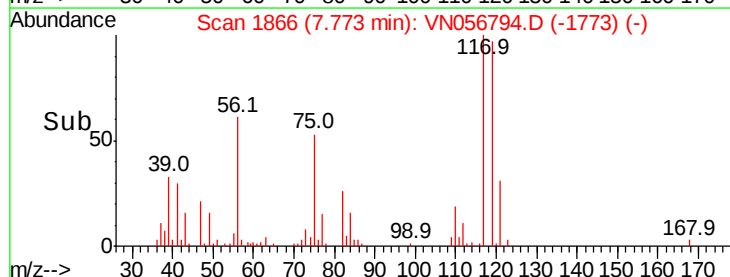
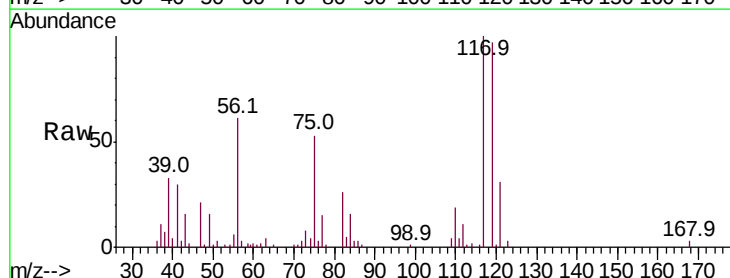
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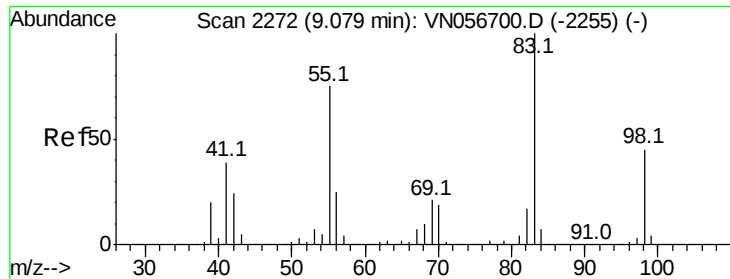
MMDadoda
7/19/2019 1:06:37 AM



#38
Carbon Tetrachloride
Concen: 18.073 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.5	116.3
121	30.9	24.7	37.1





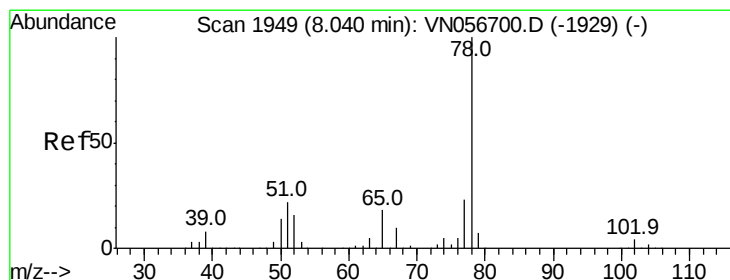
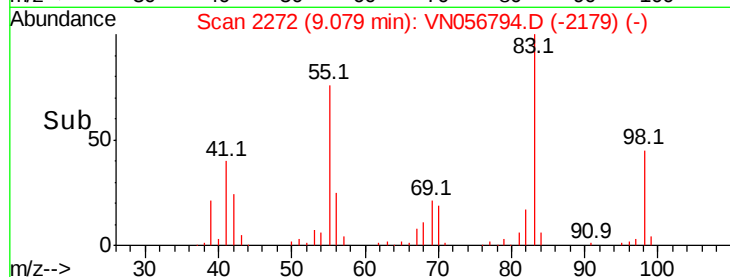
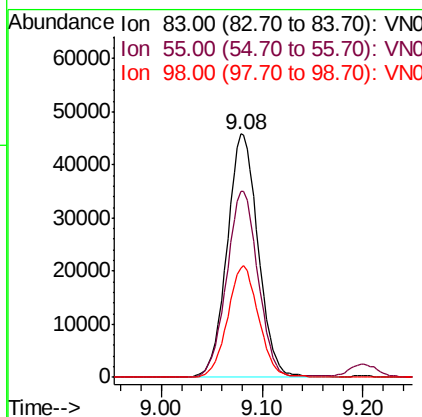
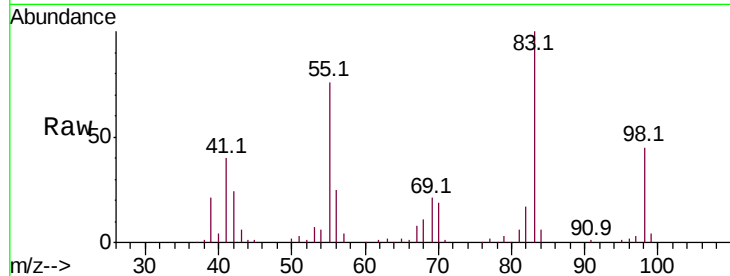
#39
Methvlcvclohexane
Concen: 17.684 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.4	90.6
98	44.7	35.8	53.8

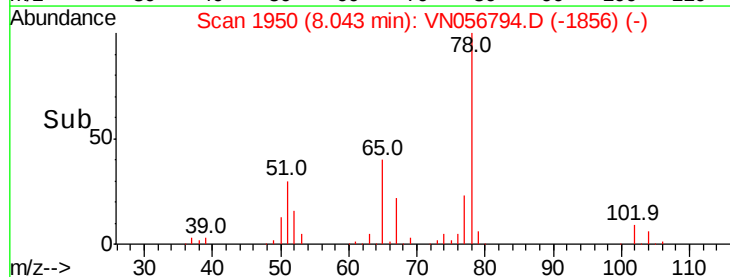
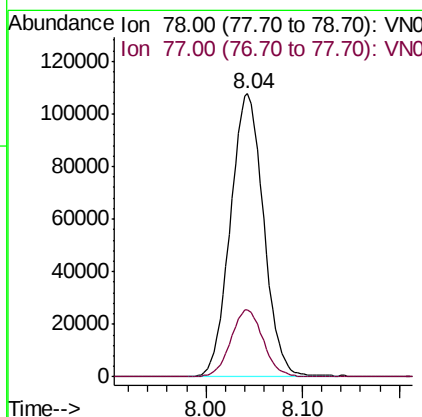
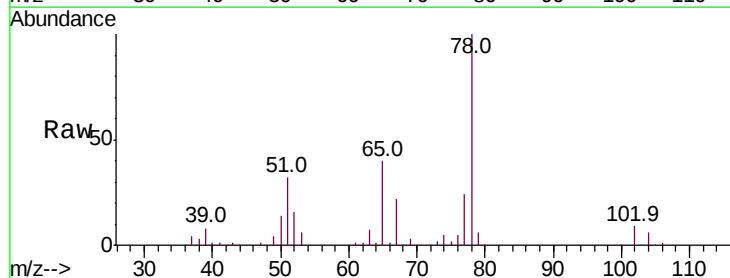
Manual Integrations
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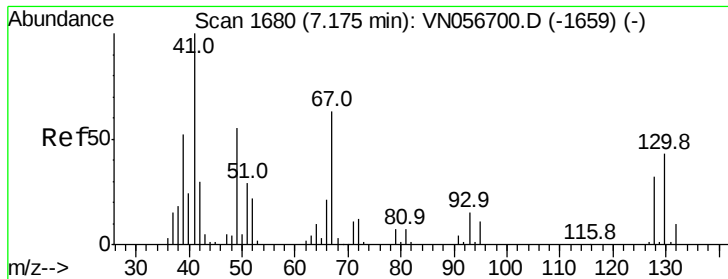
MMDadoda
7/19/2019 1:06:37 AM



#40
Benzene
Concen: 18.666 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	27.8





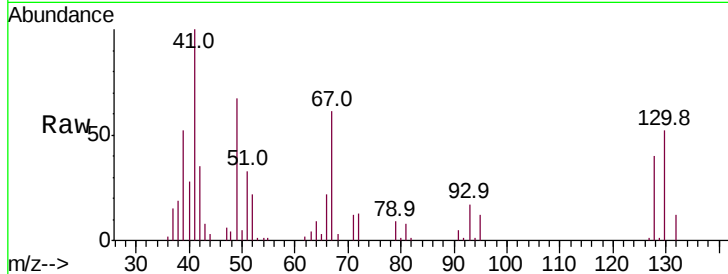
#41
Methacrylonitrile
Concen: 17.236 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

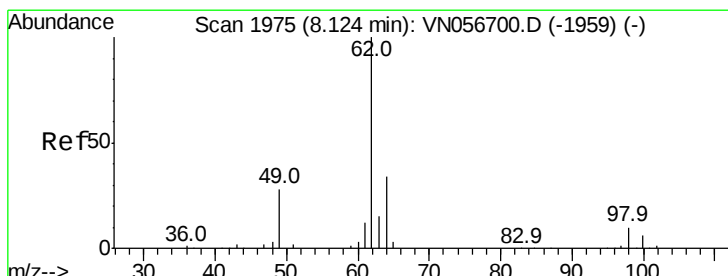
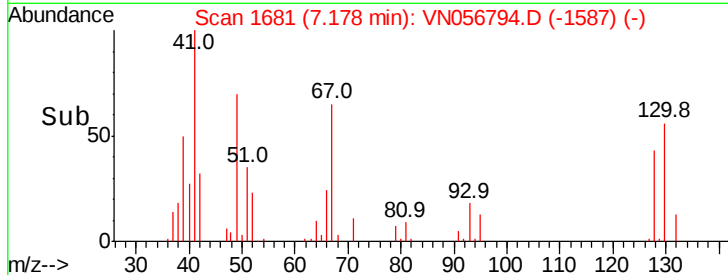
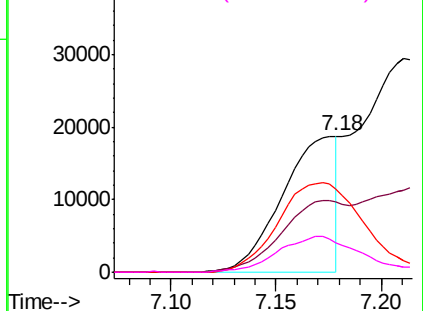
Tot Ion	41	Resp	33618
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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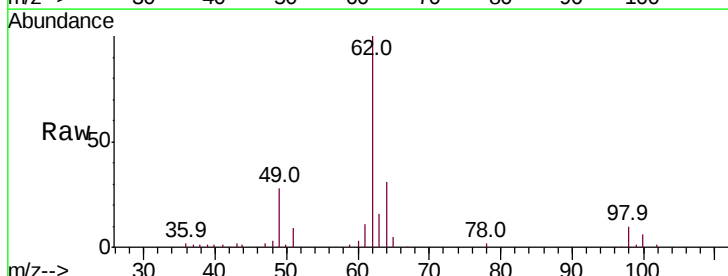


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

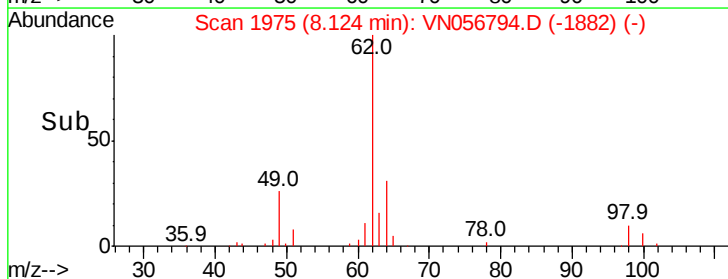
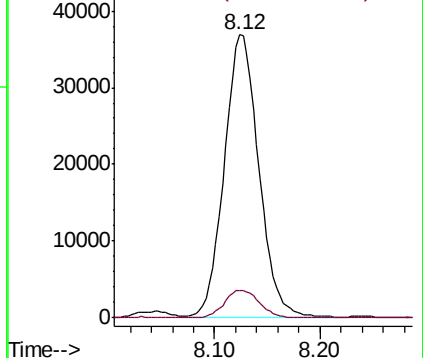


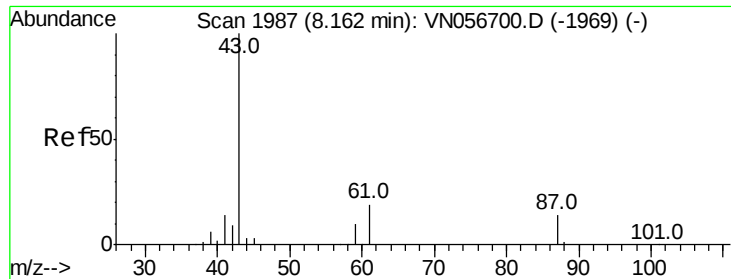
#42
1,2-Dichloroethane
Concen: 19.207 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	62	Resp	83797
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: 18.802 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

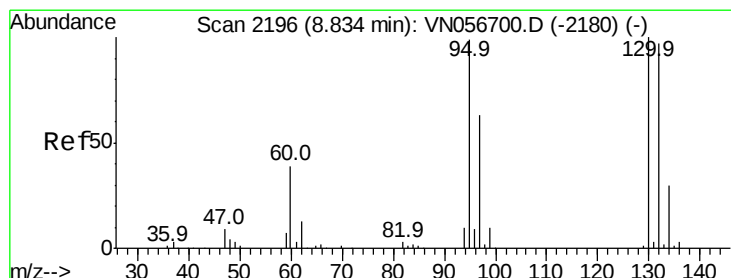
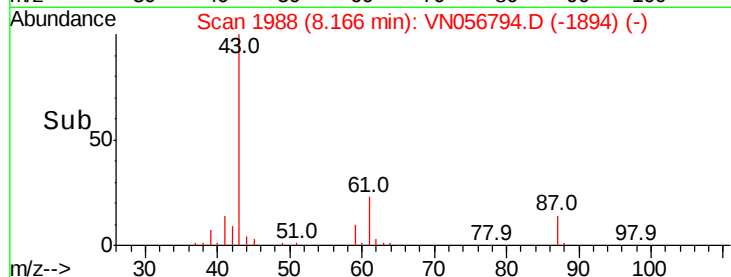
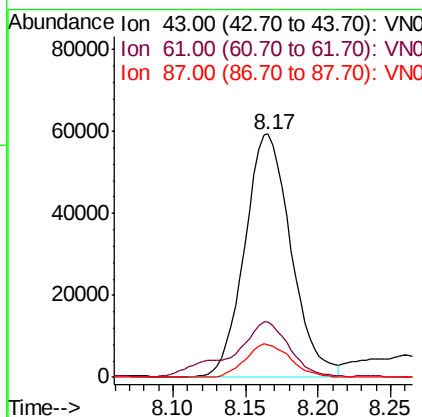
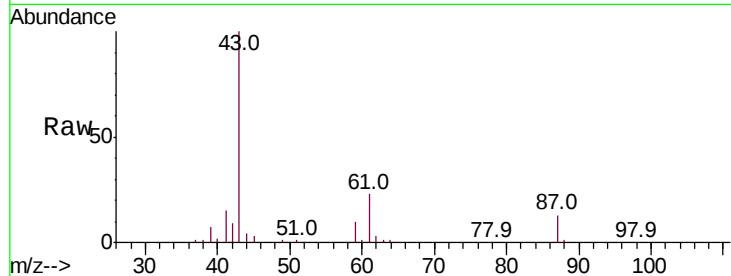
ClientSampleId :

VN0717WBSD01

Tot Ion:	43	Resp:	131248
Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.3	33.5
87	13.5	11.1	16.7

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#44

Trichloroethene

Concen: 18.315 ug/l

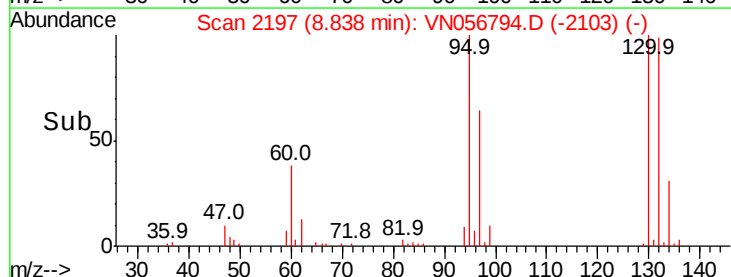
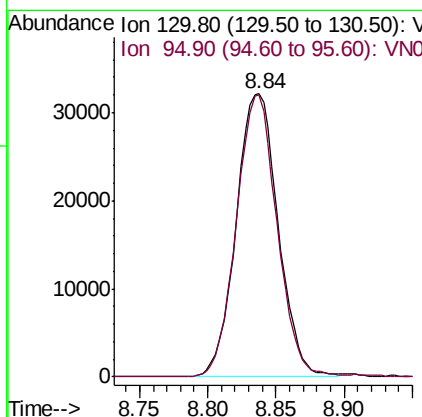
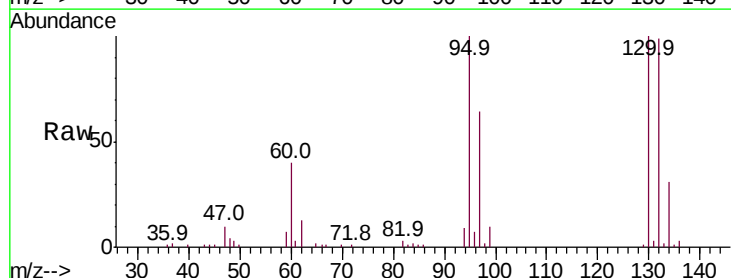
RT: 8.84 min Scan# 2197

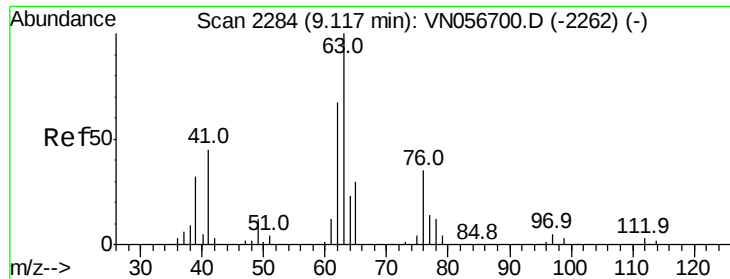
Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion:	130	Resp:	68656
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	197.2





#45

1,2-Dichloropropane

Concen: 18.730 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0717WBSD01

Tot Ion: 63 Resp: 68701

Ion Ratio Lower Upper

63 100

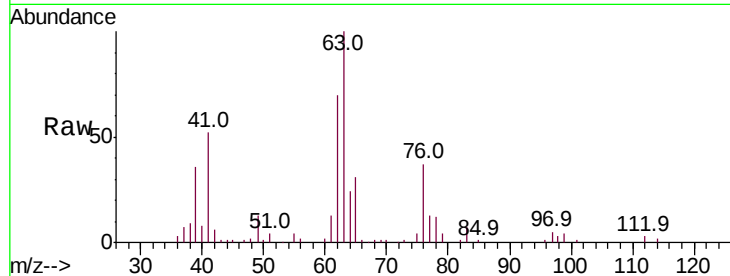
65 30.5 24.0 36.0

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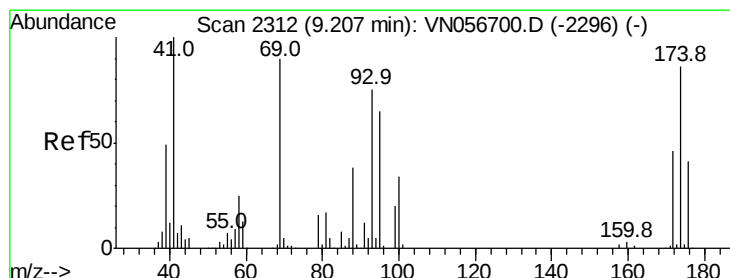
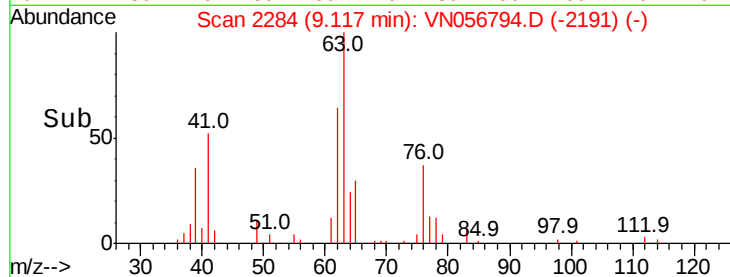
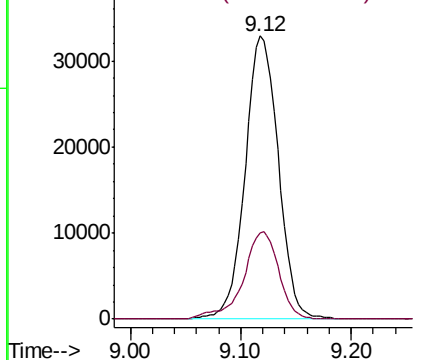
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.204 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

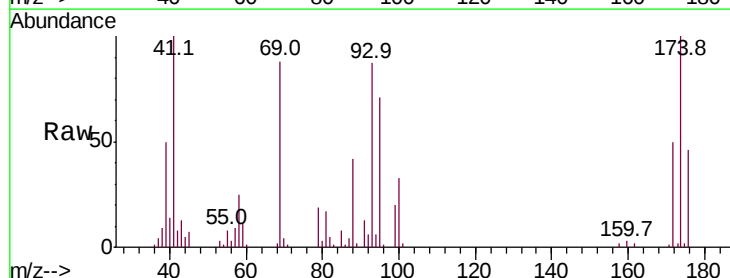
Tgt Ion: 93 Resp: 43651

Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

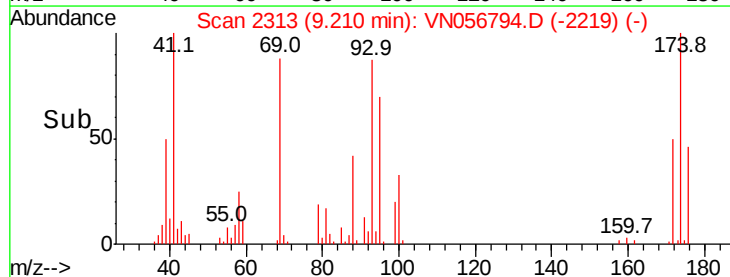
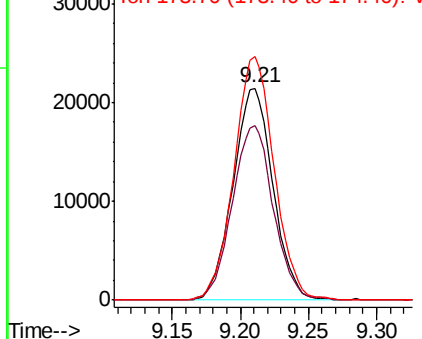
174 115.6 90.3 135.5

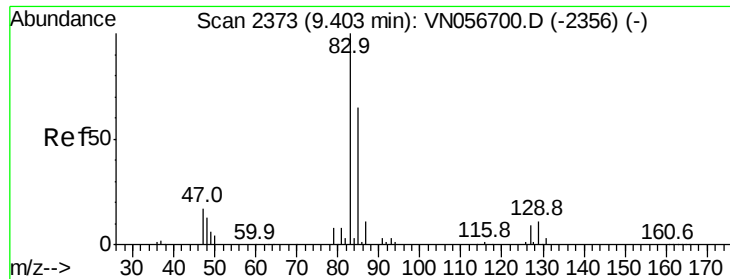


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.683 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

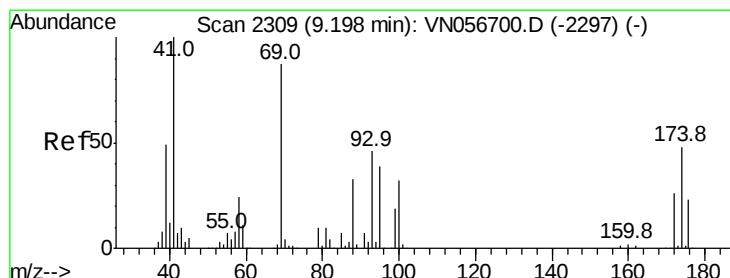
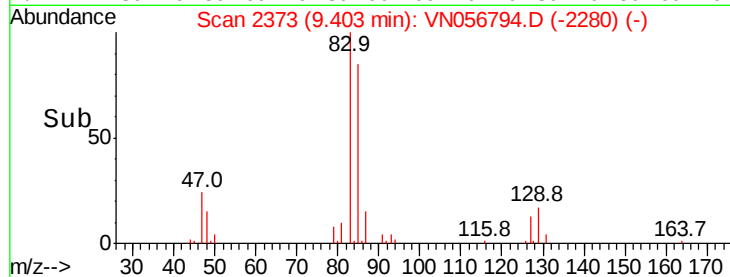
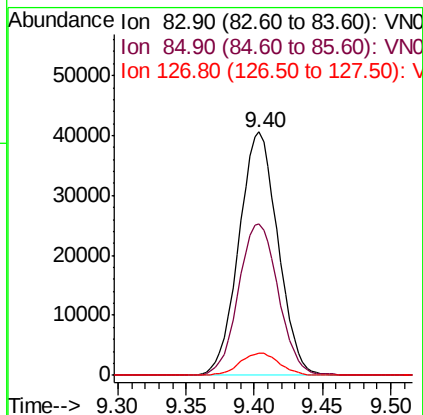
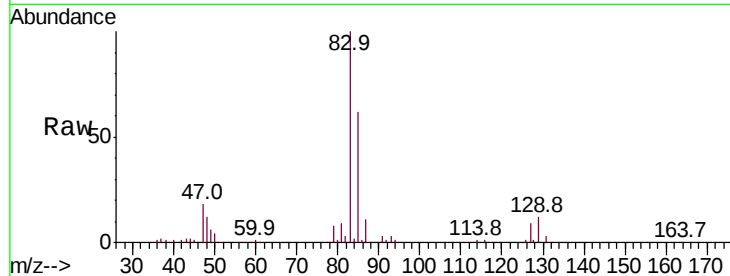
ClientSampleId :

VN0717WBSD01

Tot Ion:	83	Resp:	80699
Ion Ratio	Lower	Upper	
83	100		
85	62.1	52.3	78.5
127	9.2	7.6	11.4

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#48

Methyl methacrylate

Concen: 19.163 ug/l

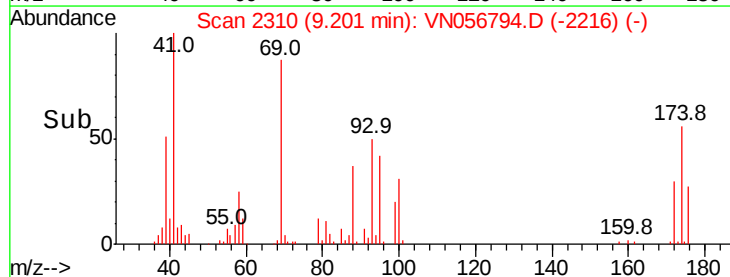
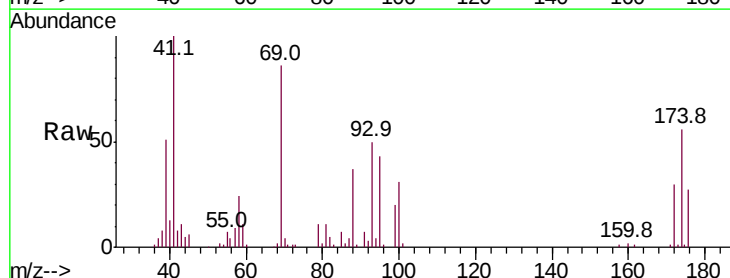
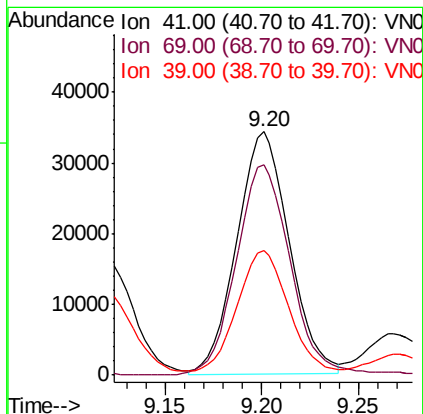
RT: 9.20 min Scan# 2310

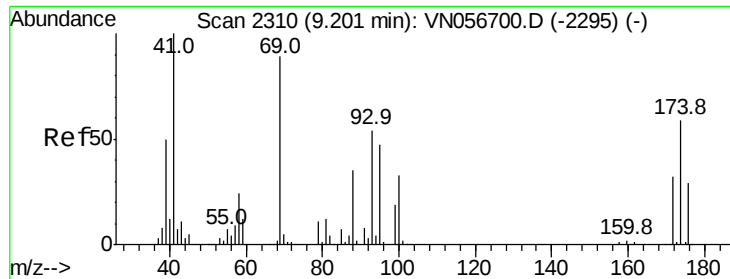
Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion:	41	Resp:	64691
Ion Ratio	Lower	Upper	
41	100		
69	89.2	71.4	107.0
39	50.9	41.2	61.8





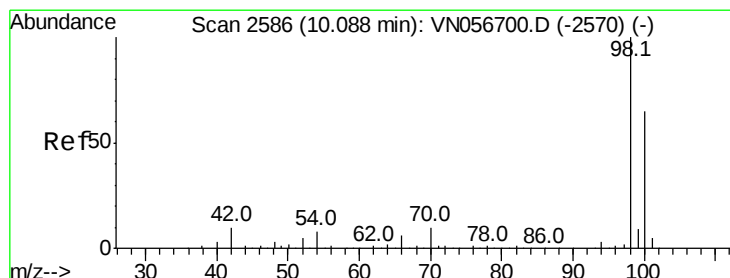
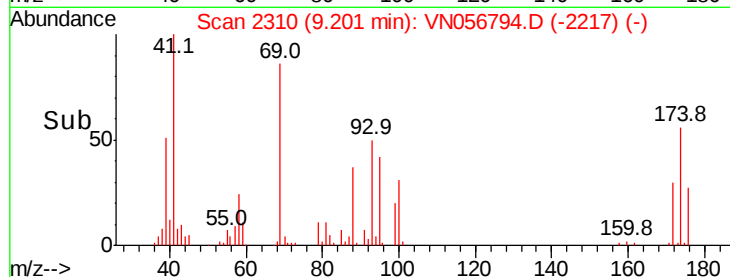
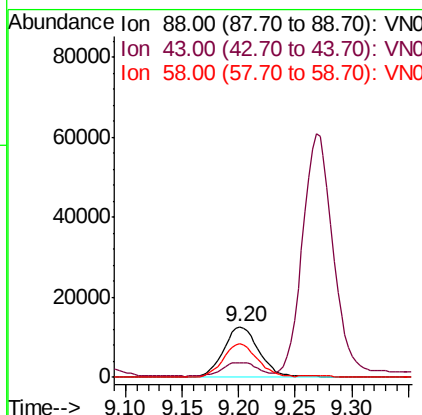
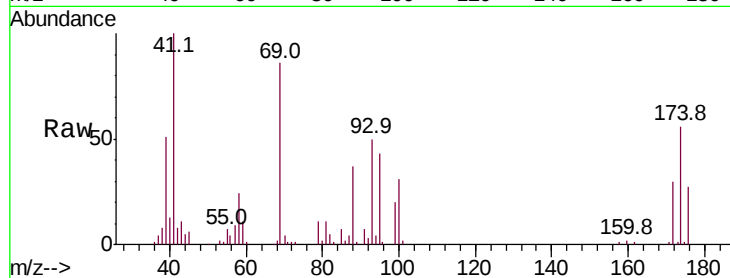
#49
 1,4-Dioxane
 Concen: 402.009 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	88	Resp	27847
Ion	Ratio	Lower	Upper
88	100		
43	27.0	23.7	35.5
58	63.9	55.6	83.4

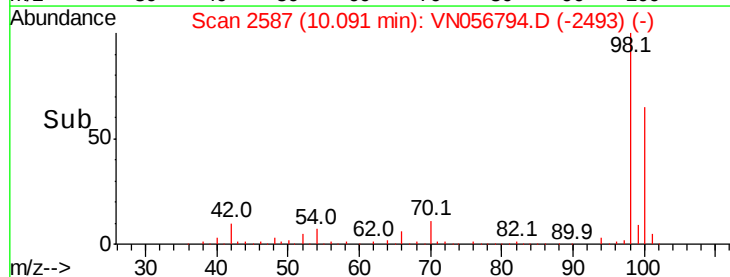
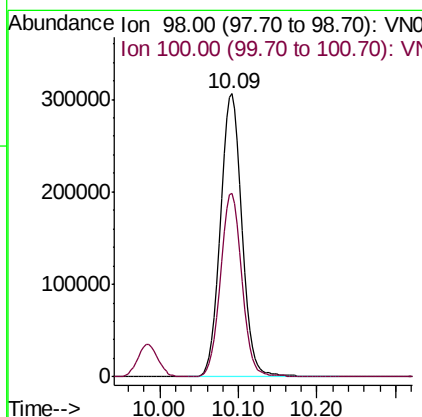
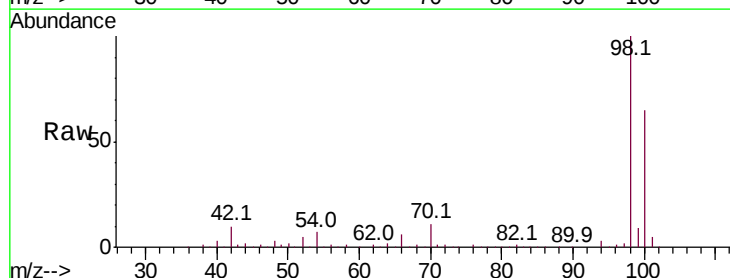
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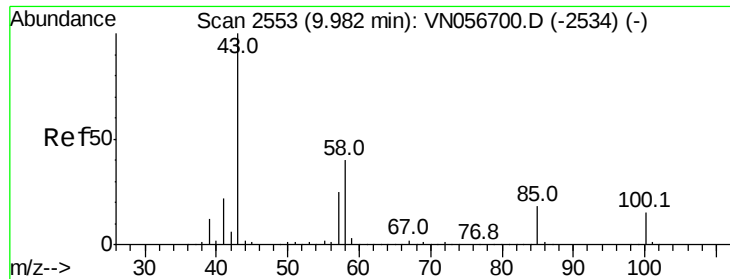
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#50
 Toluene-d8
 Concen: 49.255 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	98	Resp	576376
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 94.850 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 43 Resp: 428837

Ion Ratio Lower Upper

43 100

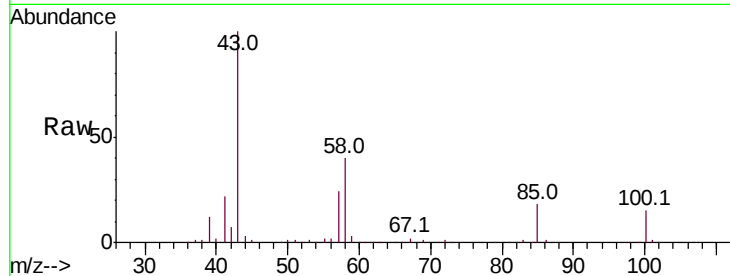
58 40.1 32.0 48.0

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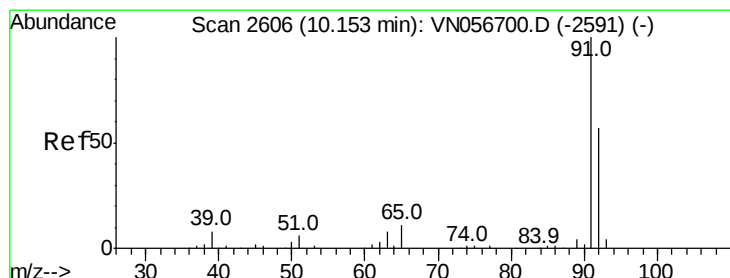
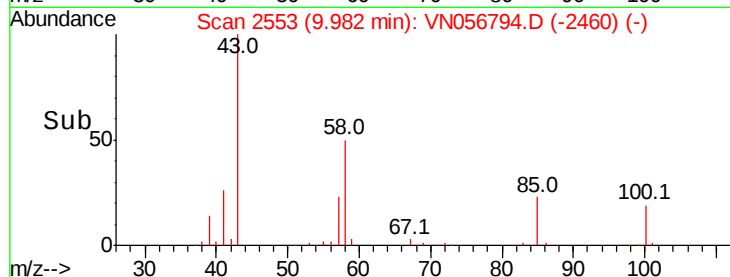
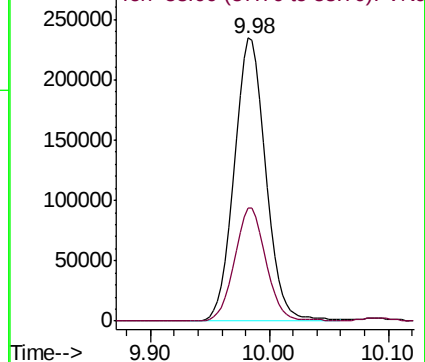
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.005 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056794.D

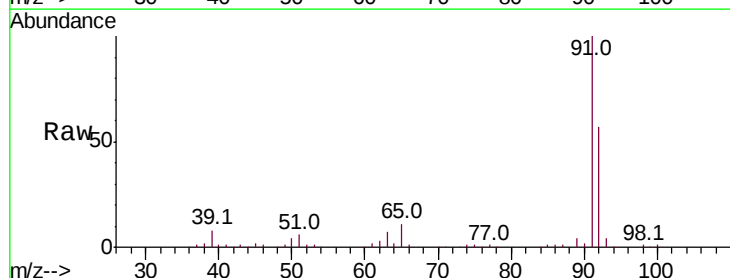
Acq: 17 Jul 2019 14:11

Tgt Ion: 92 Resp: 155802

Ion Ratio Lower Upper

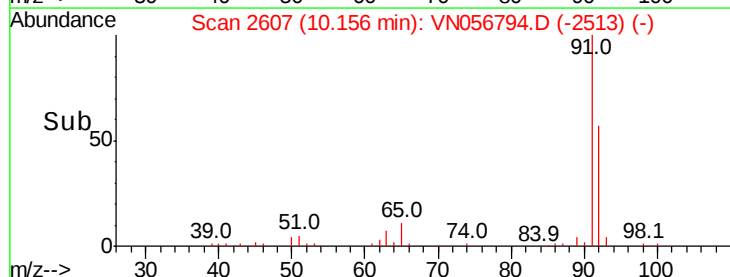
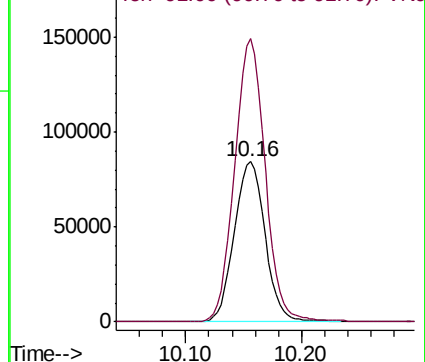
92 100

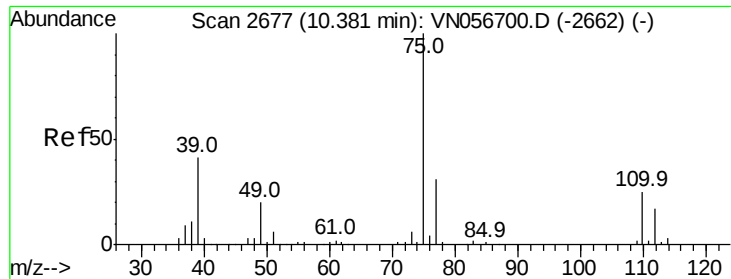
91 174.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





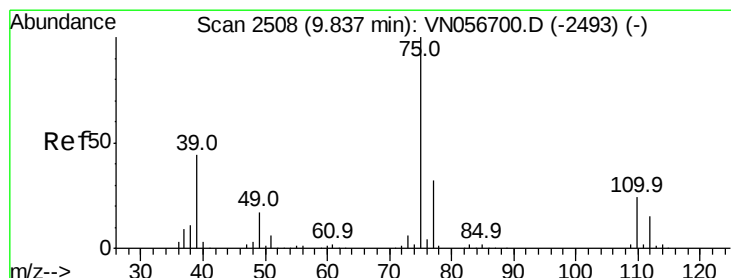
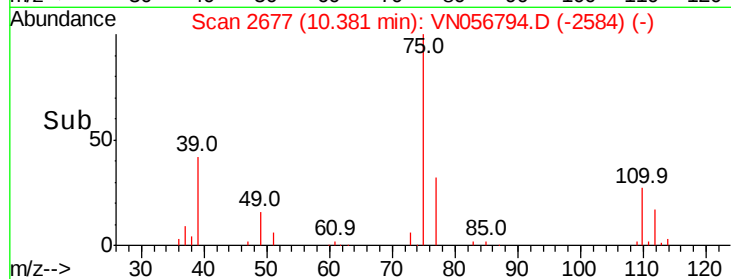
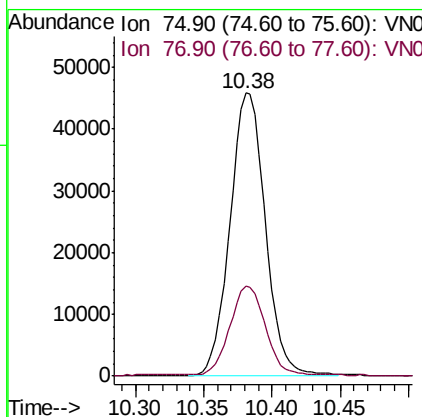
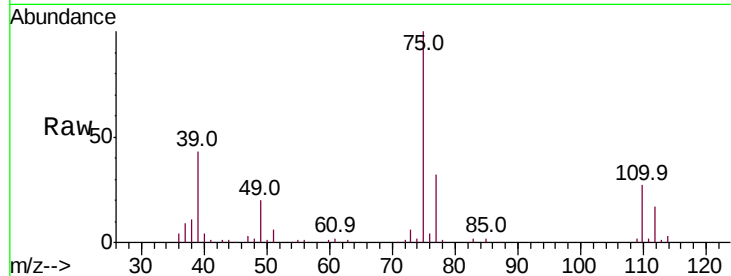
#53
t-1,3-Dichloropropene
Concen: 18.368 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion: 75 Resp: 82777
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

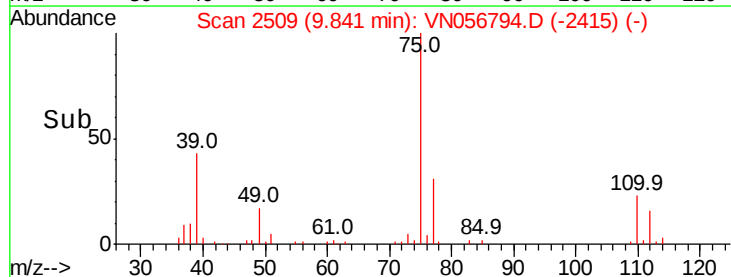
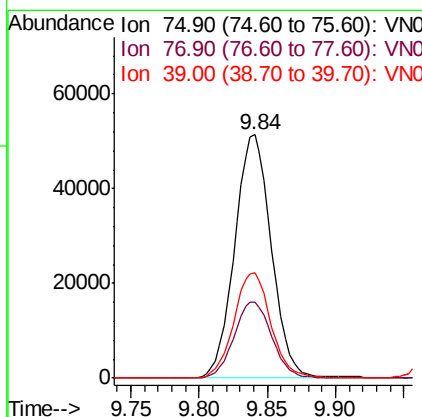
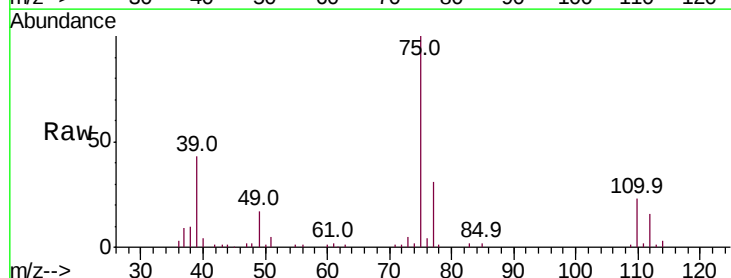
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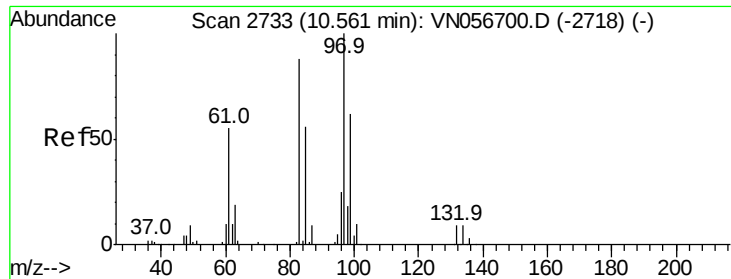
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#54
cis-1,3-Dichloropropene
Concen: 18.279 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 75 Resp: 95590
Ion Ratio Lower Upper
75 100
77 31.2 26.0 39.0
39 43.1 35.1 52.7





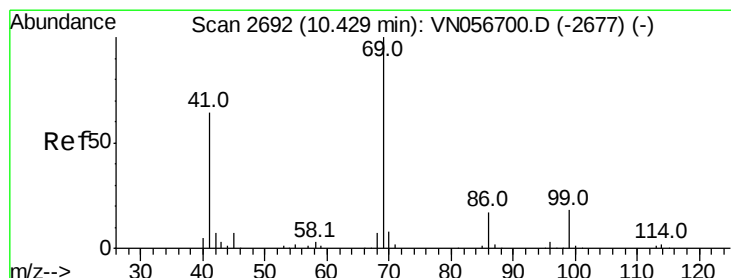
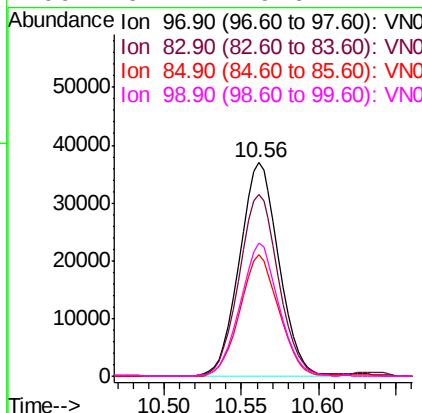
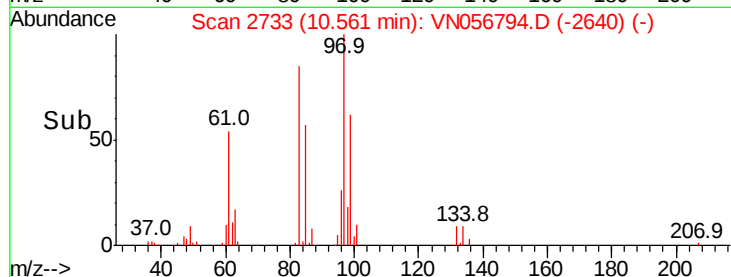
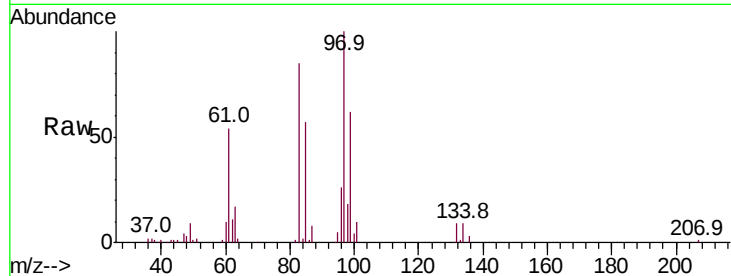
#55
 1,1,2-Trichloroethane
 Concen: 19.071 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	97	Resp	65577
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.3	105.5
85	56.9	44.8	67.2
99	62.4	49.6	74.4

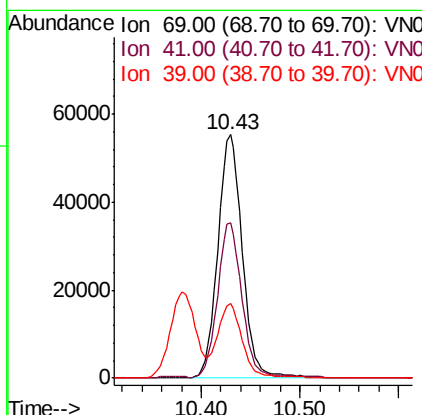
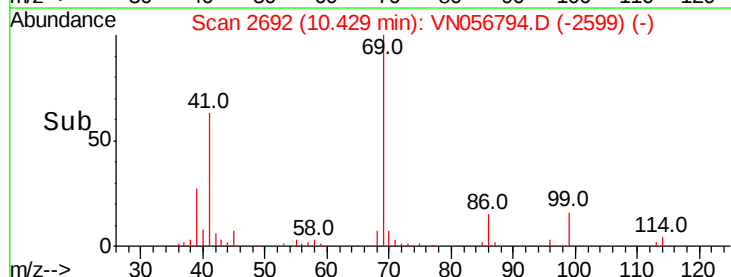
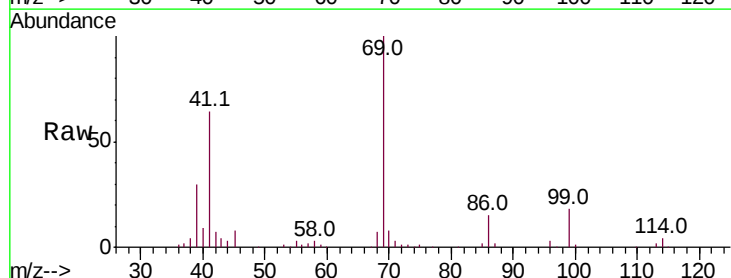
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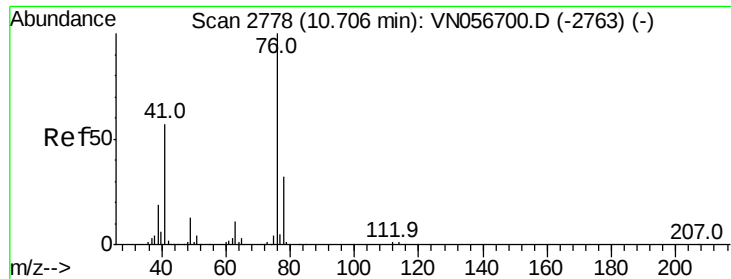
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#56
 Ethyl methacrylate
 Concen: 19.549 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	69	Resp	96720
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	29.1	24.6	36.8





#57

1,3-Dichloropropane

Concen: 19.238 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 76 Resp: 108038

Ion Ratio Lower Upper

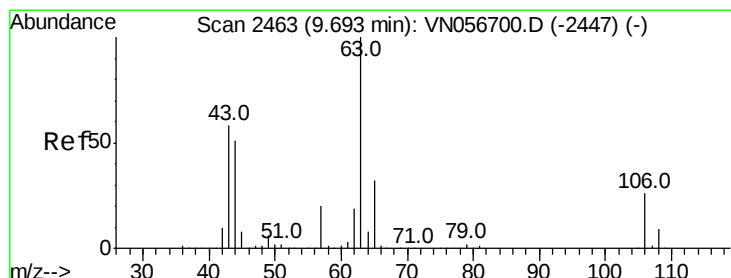
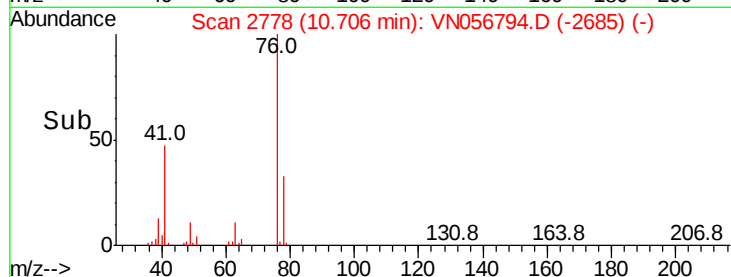
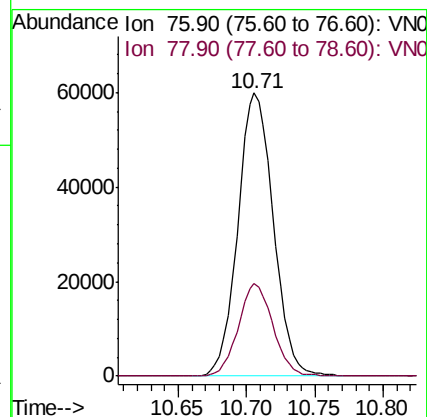
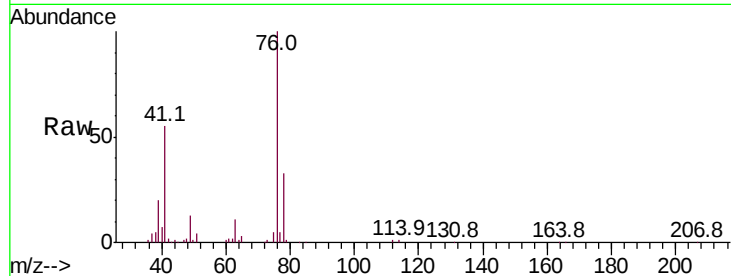
76 100

78 31.9 26.0 39.0

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 93.018 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056794.D

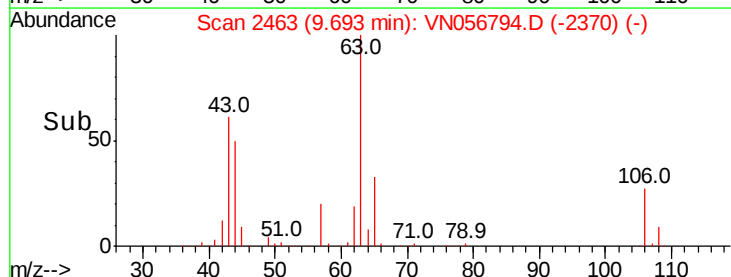
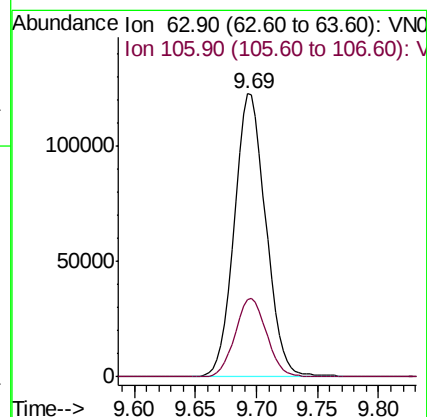
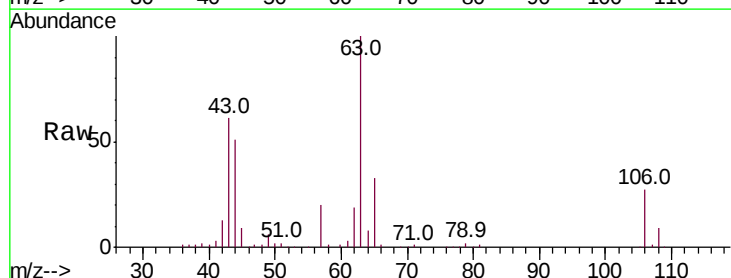
Acq: 17 Jul 2019 14:11

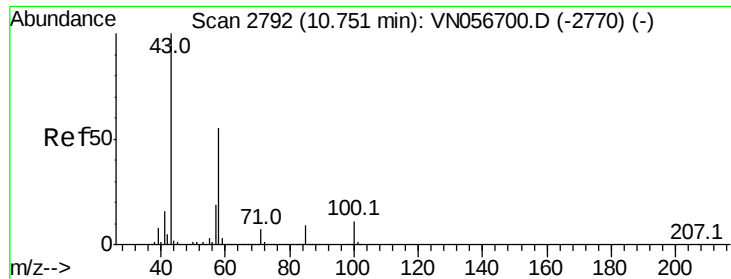
Tgt Ion: 63 Resp: 221302

Ion Ratio Lower Upper

63 100

106 27.7 21.2 31.8





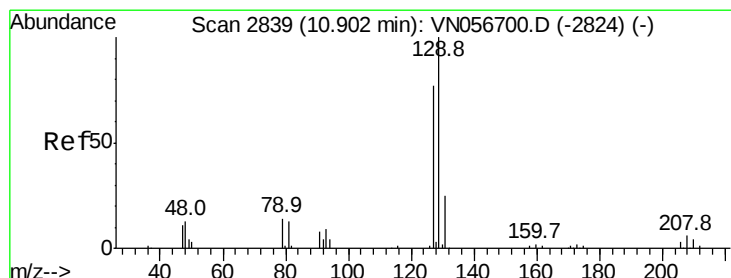
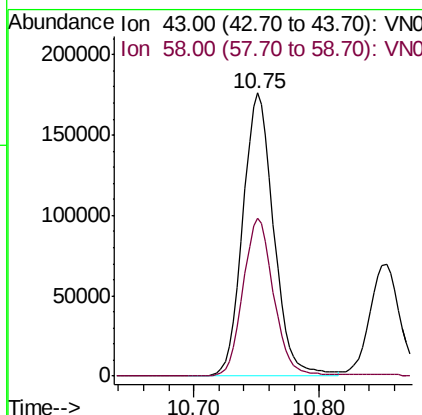
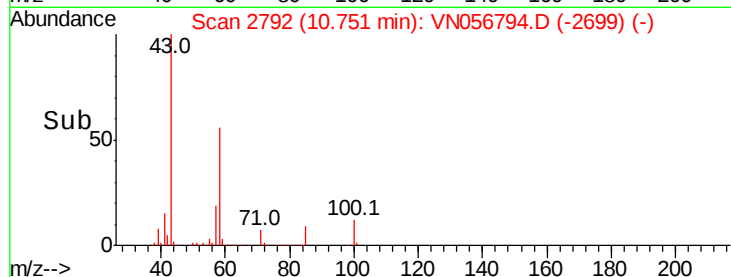
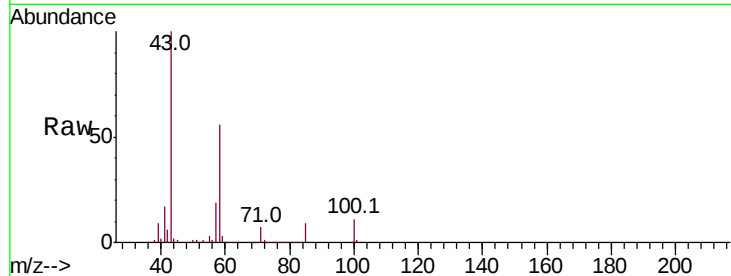
#59
2-Hexanone
Concen: 93.009 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion: 43 Resp: 301734
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.6

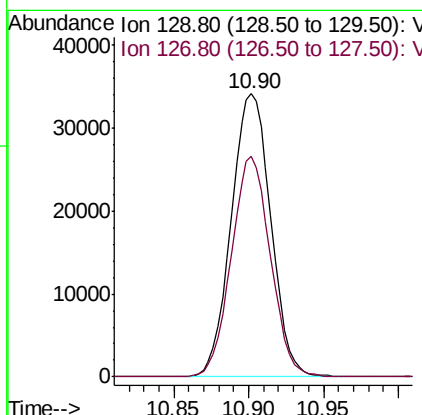
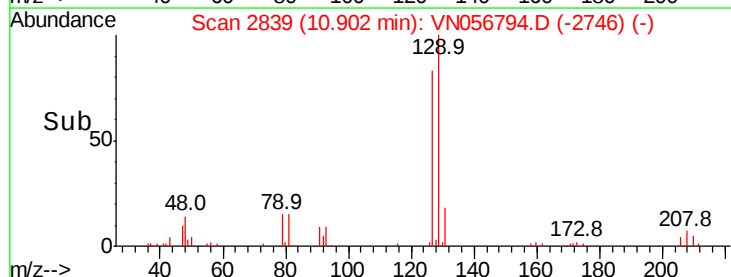
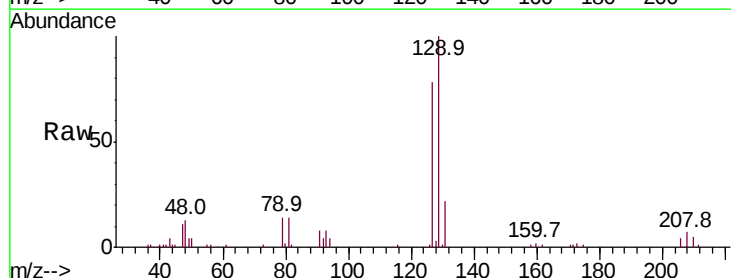
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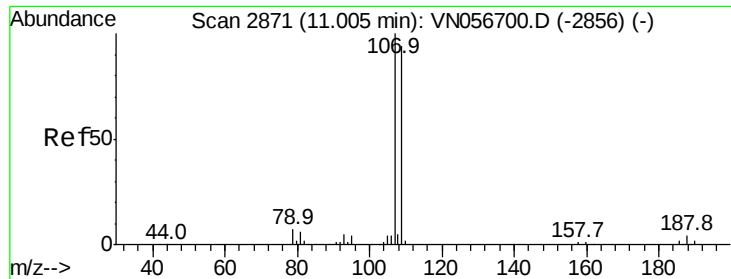
MMDadoda
7/19/2019 1:06:37 AM



#60
Dibromochloromethane
Concen: 18.553 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 129 Resp: 62741
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





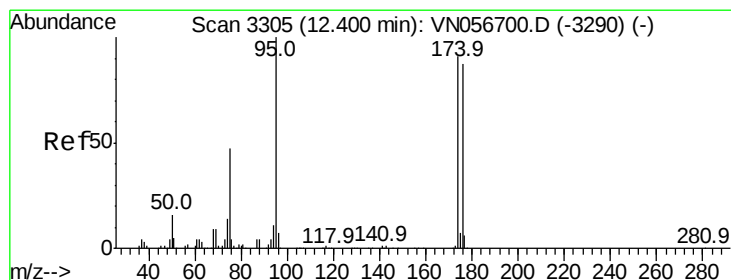
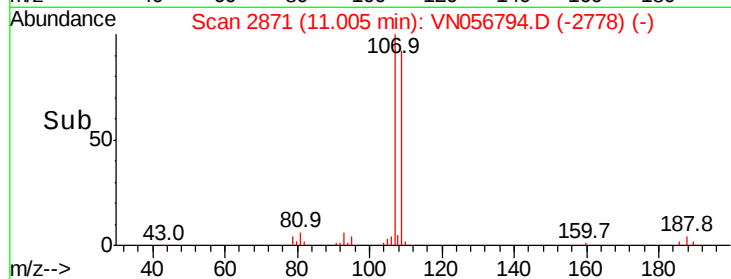
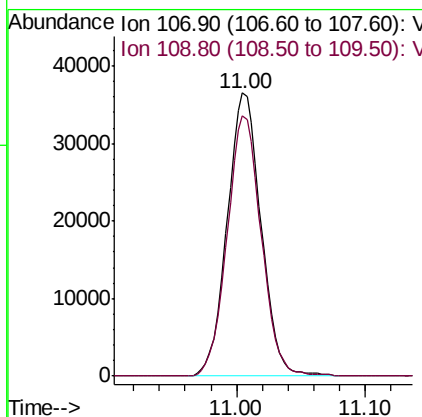
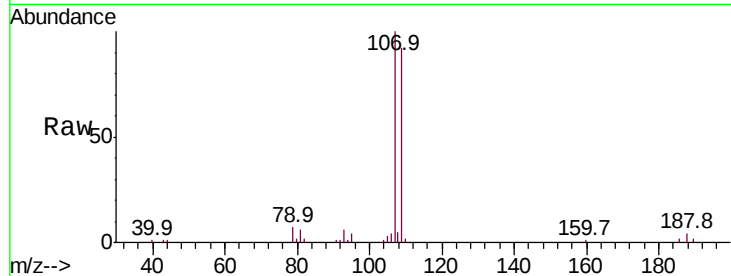
#61
 1,2-Dibromoethane
 Concen: 19.407 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	76.2	114.4

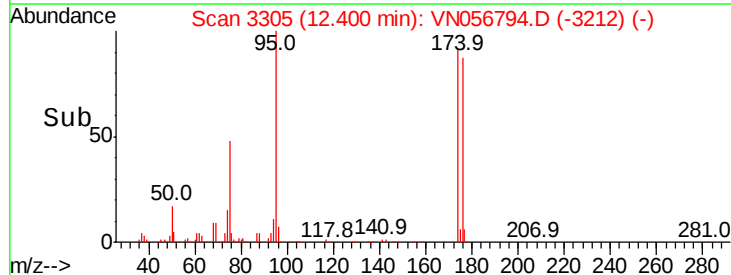
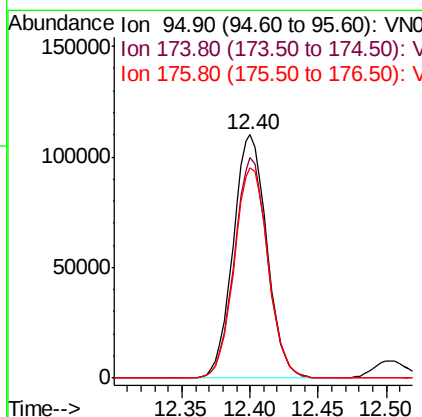
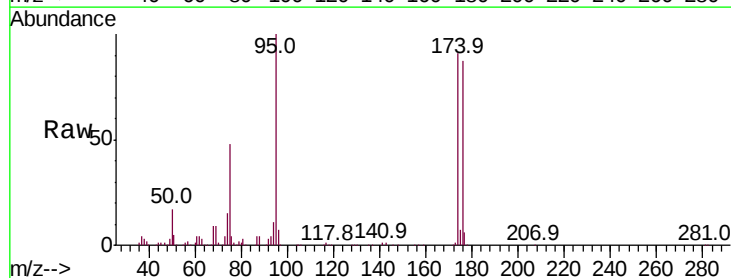
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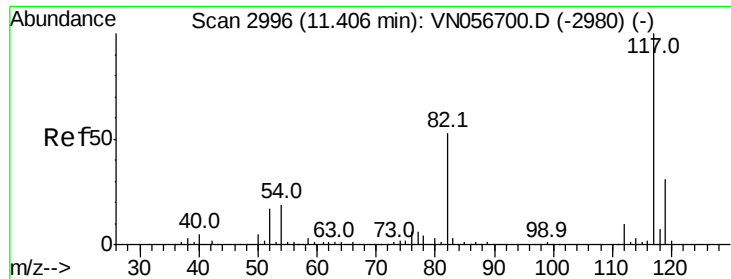
MMDadoda
 7/19/2019 1:06:37 AM



#62
 4-Bromofluorobenzene
 Concen: 47.872 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	180.0
176	86.9	0.0	173.2





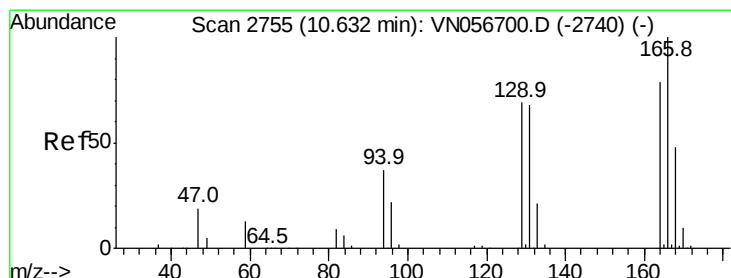
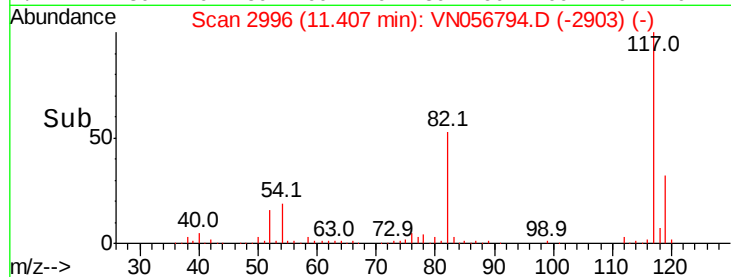
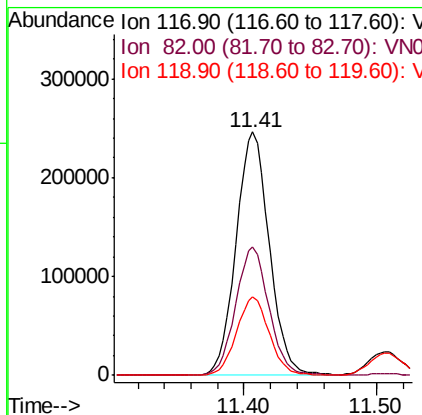
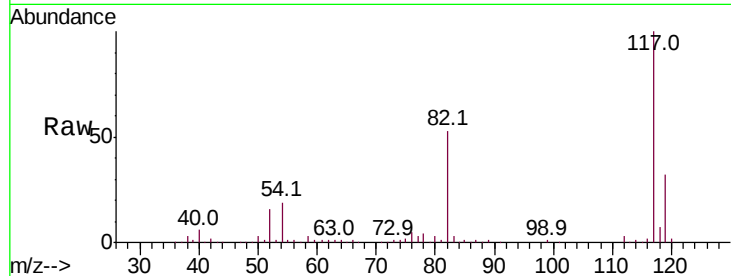
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.2	63.2
119	32.3	25.2	37.8

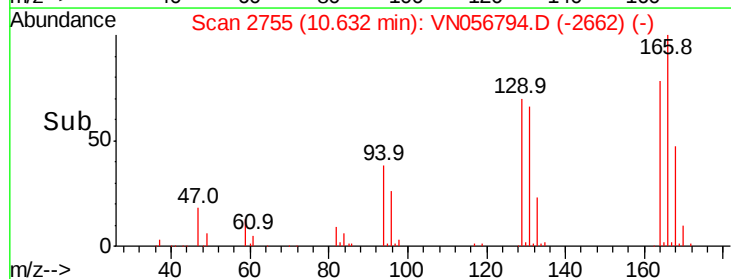
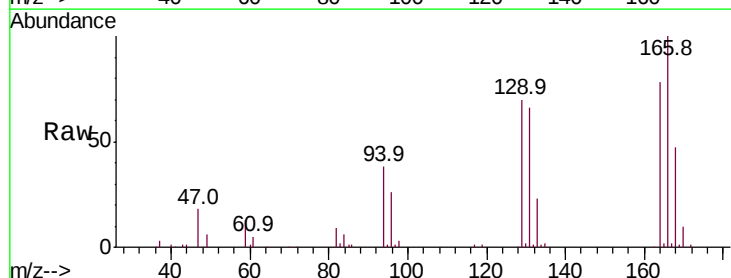
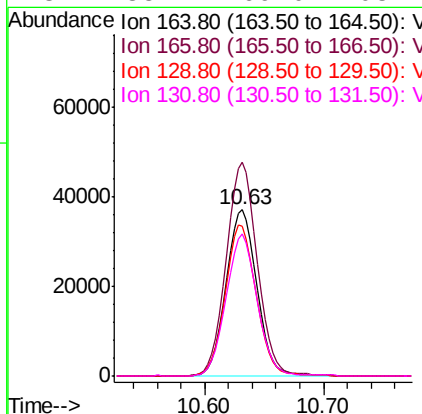
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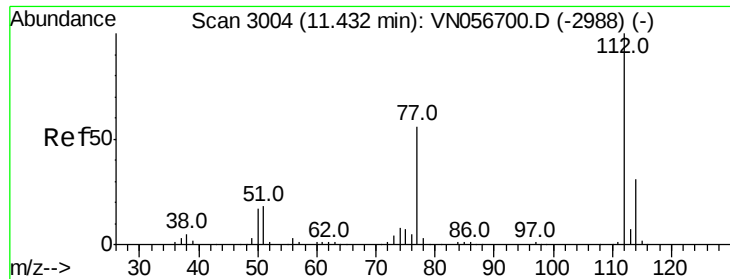
MMDadoda
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#64
Tetrachloroethene
Concen: 18.063 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.4	152.2
129	90.1	69.6	104.4
131	85.4	69.0	103.4





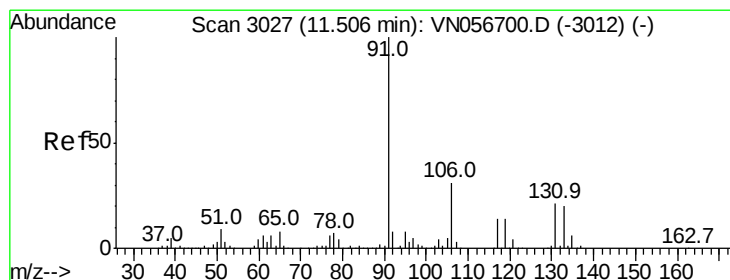
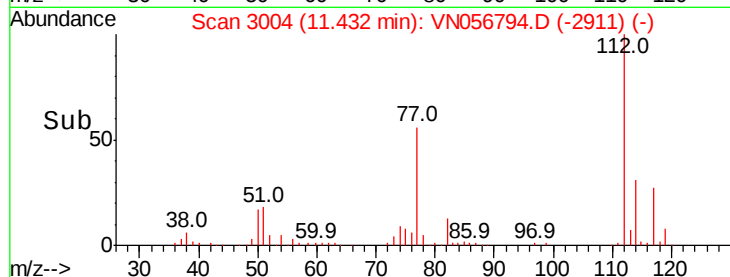
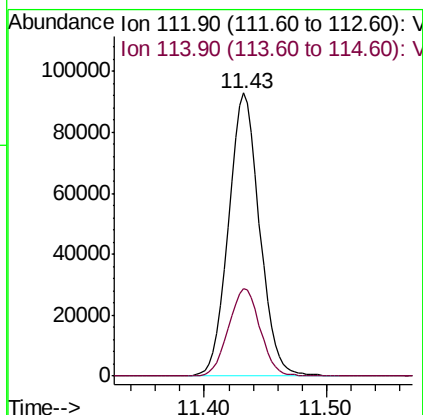
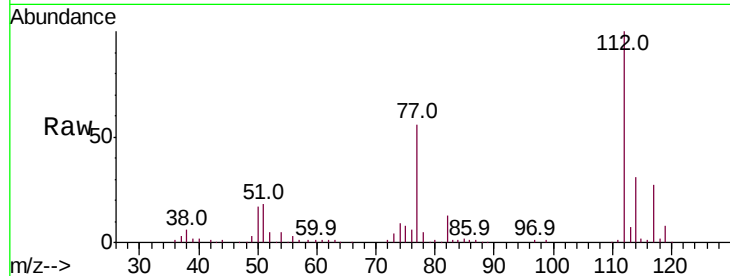
#65
Chlorobenzene
Concen: 18.853 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion:112 Resp: 165111
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8

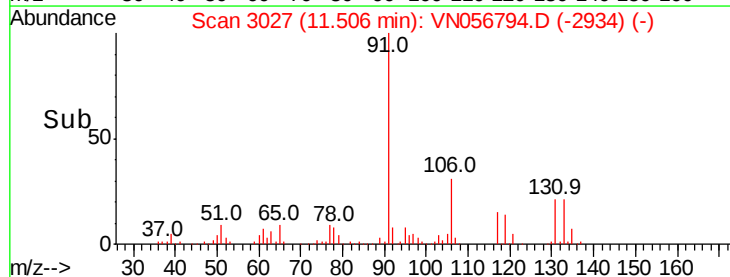
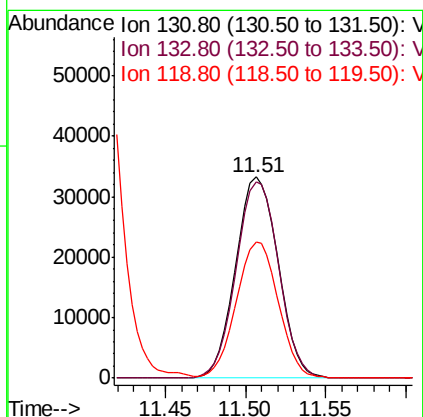
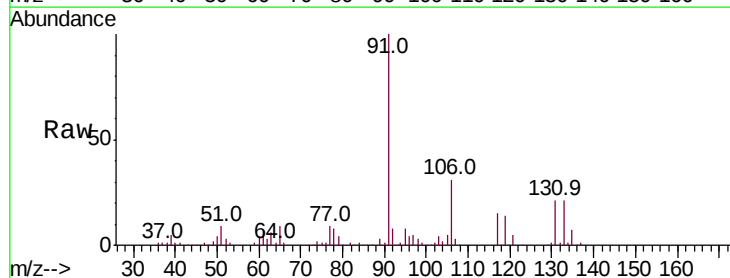
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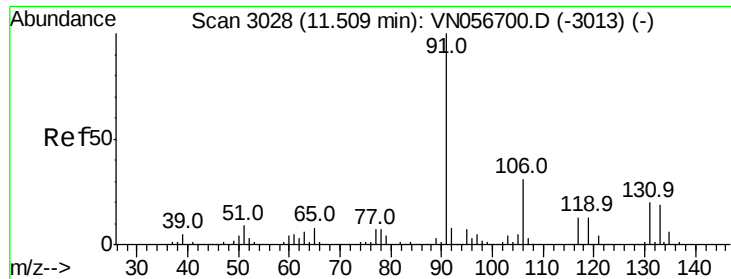
MMDadoda
7/19/2019 1:06:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.693 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion:131 Resp: 60278
Ion Ratio Lower Upper
131 100
133 97.8 46.9 140.7
119 66.9 32.8 98.3





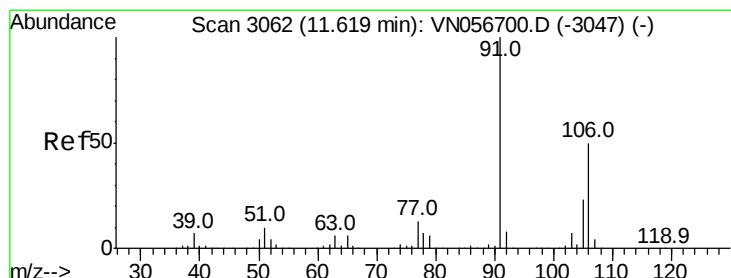
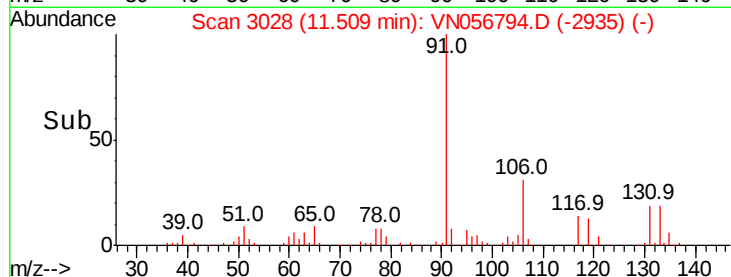
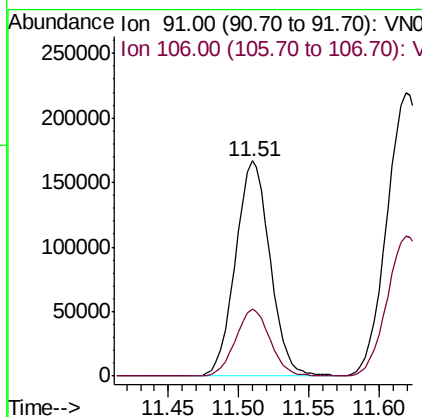
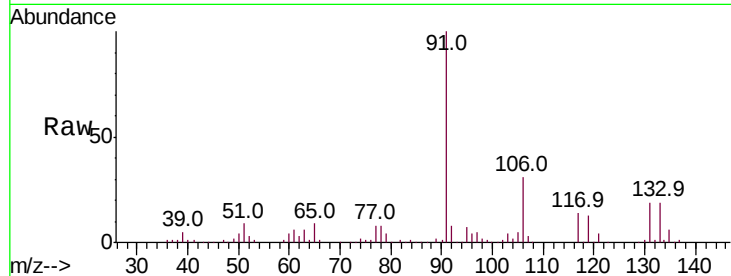
#67
Ethyl Benzene
Concen: 18.644 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion: 91 Resp: 286956
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

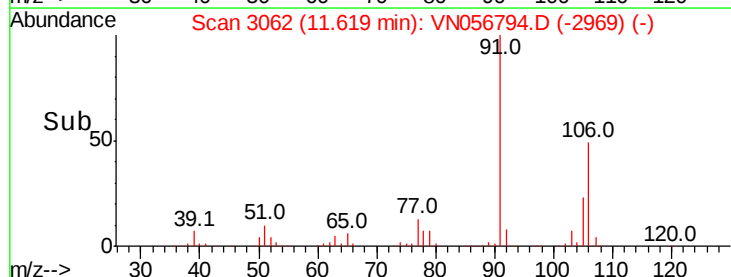
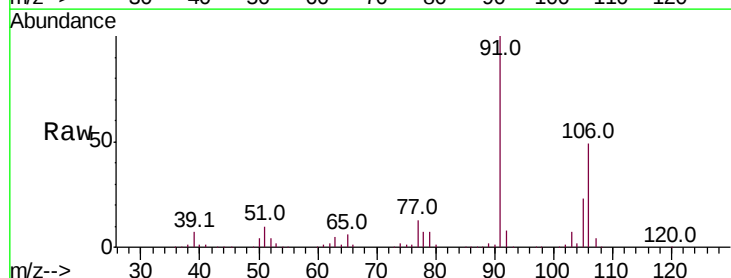
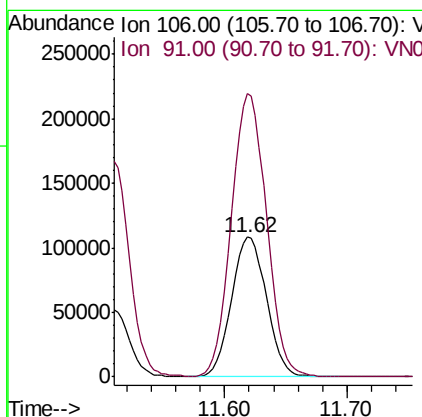
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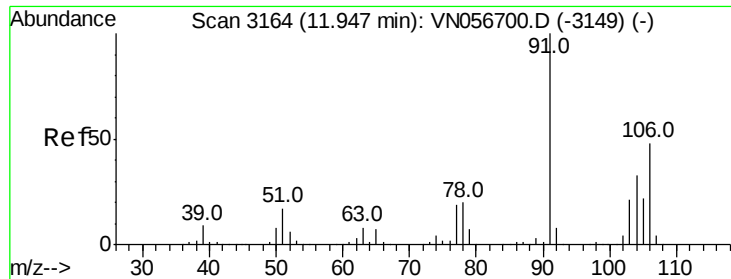
MMDadoda
7/19/2019 1:06:37 AM



#68
m/p-Xylenes
Concen: 37.521 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion: 106 Resp: 215822
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7





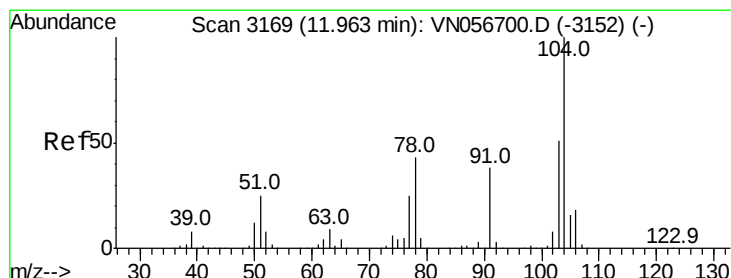
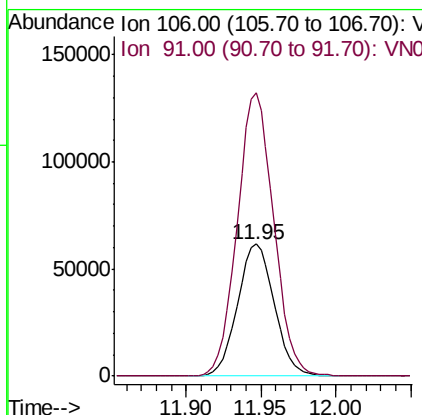
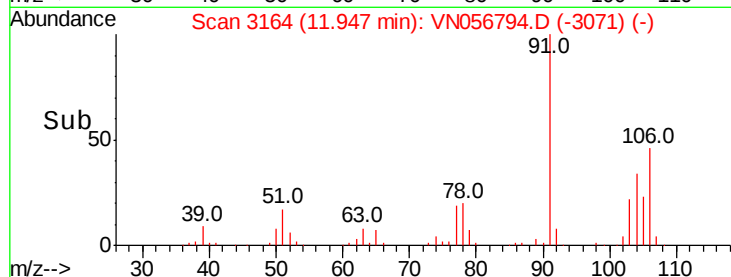
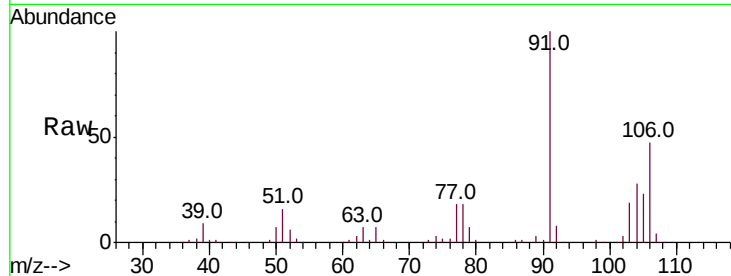
#69
o-Xylene
Concen: 18.635 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion:106 Resp: 105381
Ion Ratio Lower Upper
106 100
91 212.4 105.6 316.8

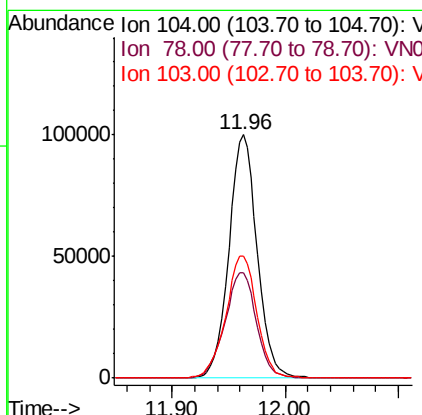
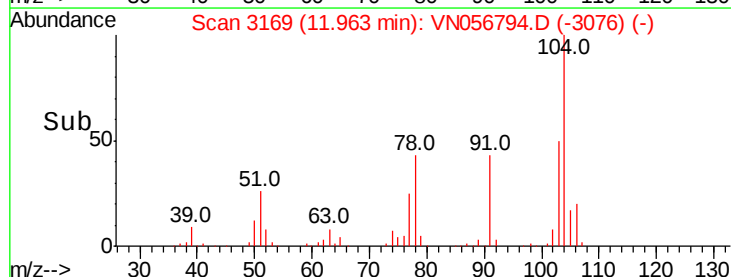
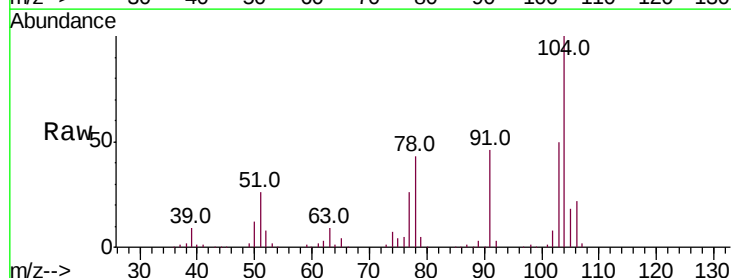
Manual Integrations
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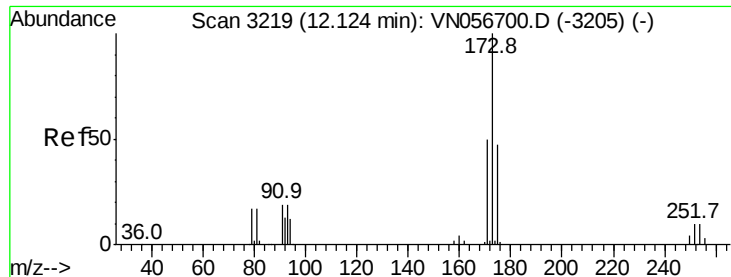
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#70
Styrene
Concen: 18.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion:104 Resp: 173318
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 55.2 44.2 66.4





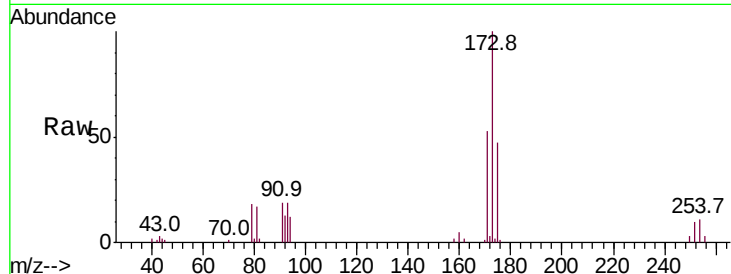
#71
Bromoform
Concen: 18.336 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

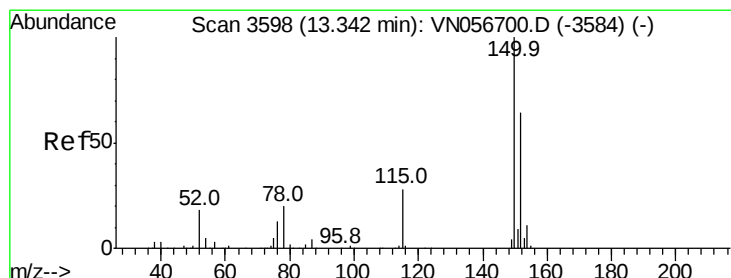
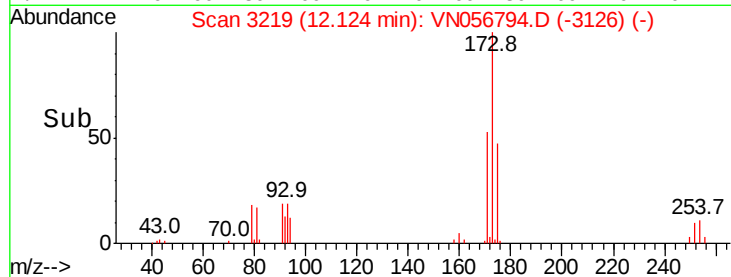
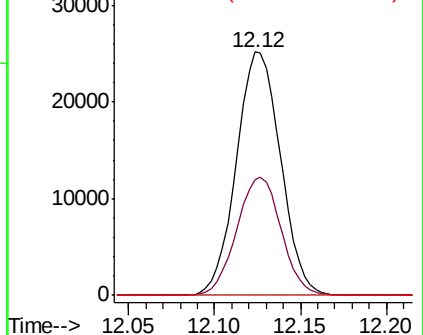
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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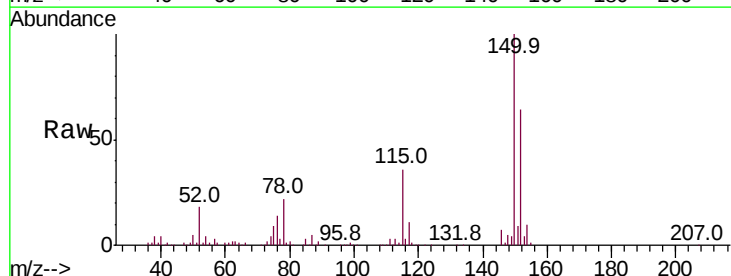


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

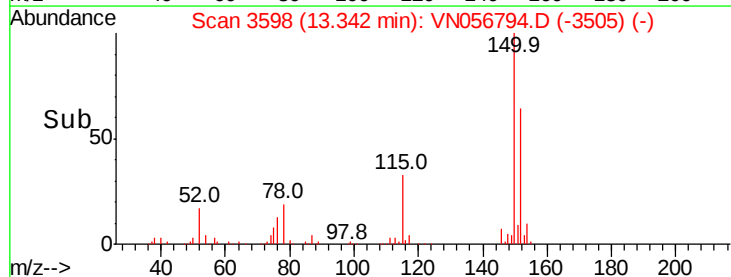
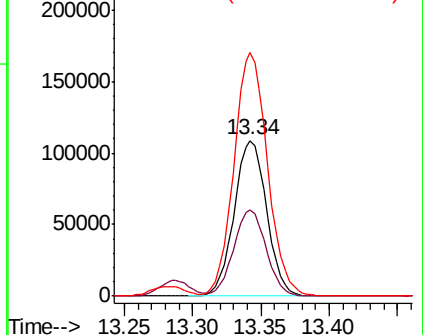


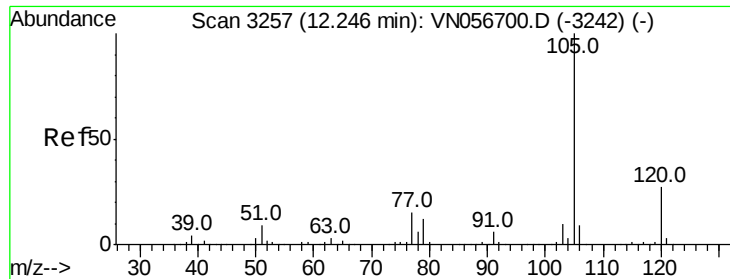
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	161.6	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: 19.047 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion:105 Resp: 276093

Ion Ratio Lower Upper

105 100

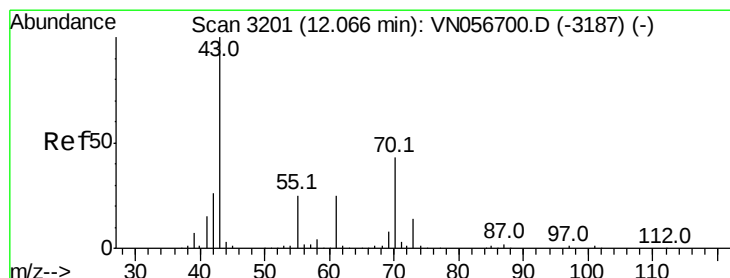
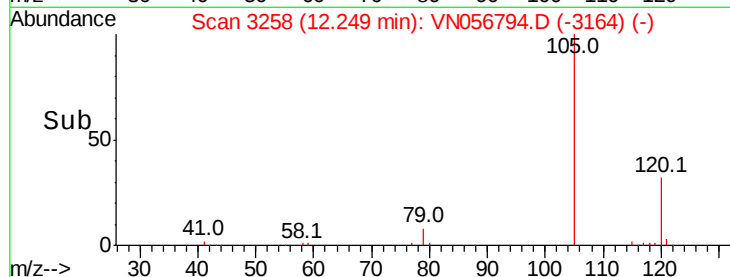
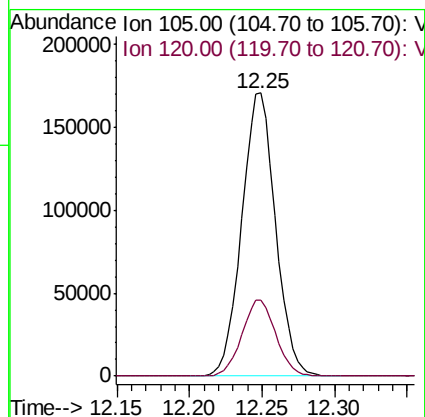
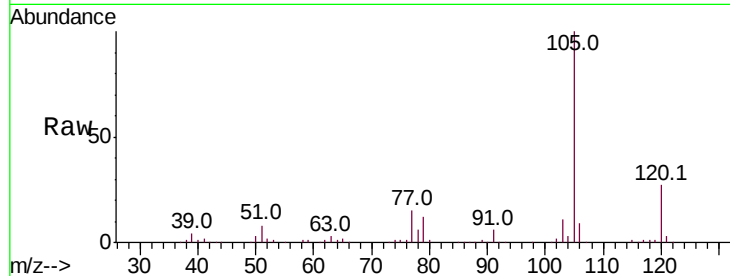
120 27.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.039 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion: 43 Resp: 102777

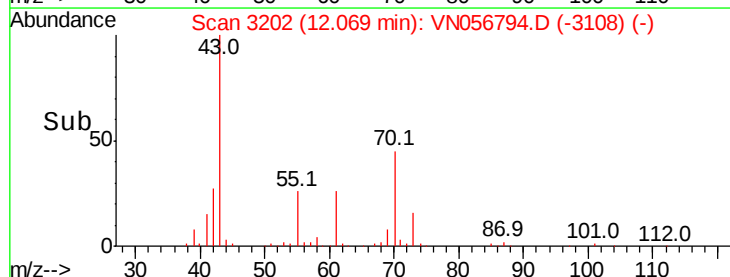
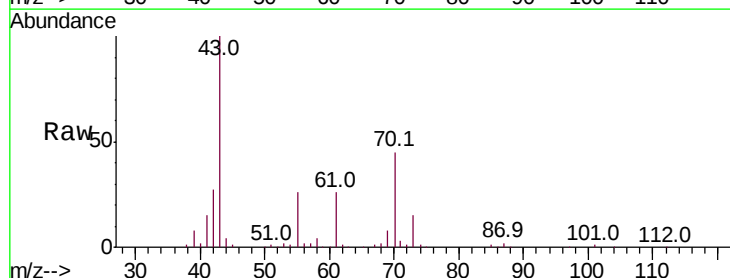
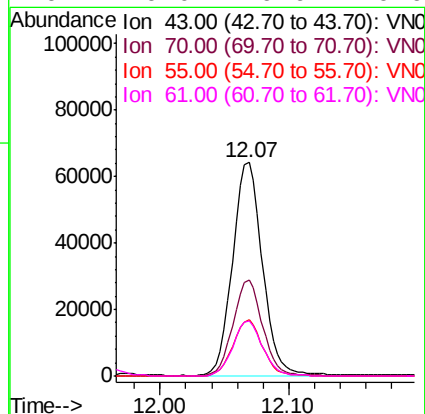
Ion Ratio Lower Upper

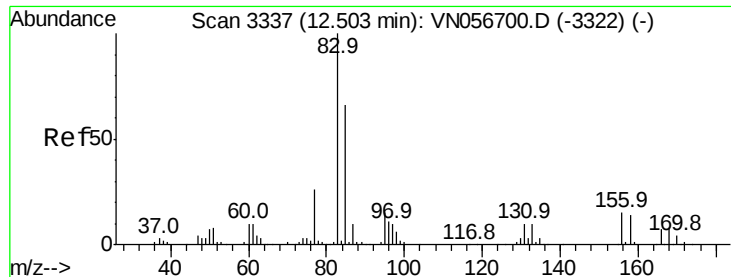
43 100

70 44.6 34.5 51.7

55 26.2 20.2 30.2

61 26.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.975 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

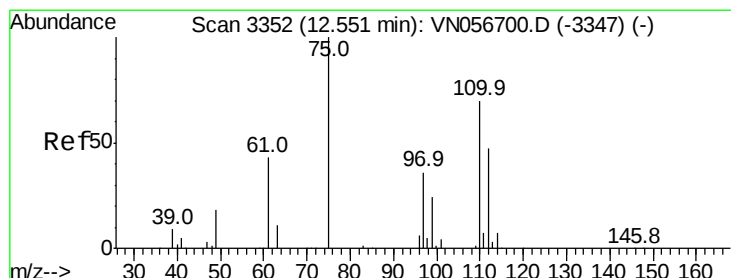
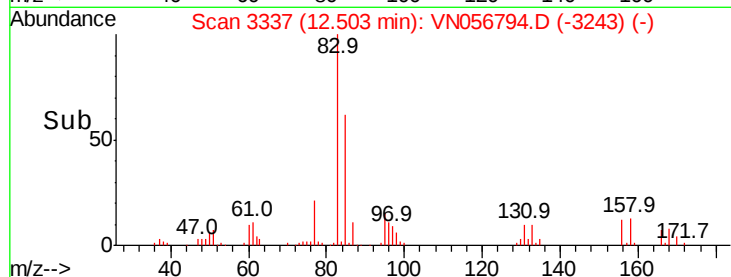
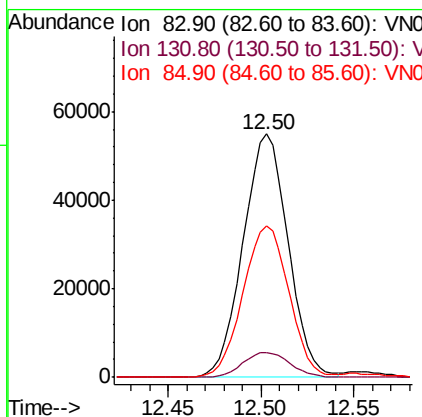
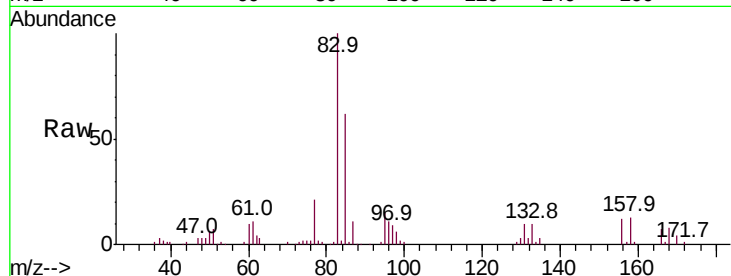
ClientSampleId :

VN0717WBSD01

Tot Ion:	83	Resp:	92777
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.4	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.663 ug/l m

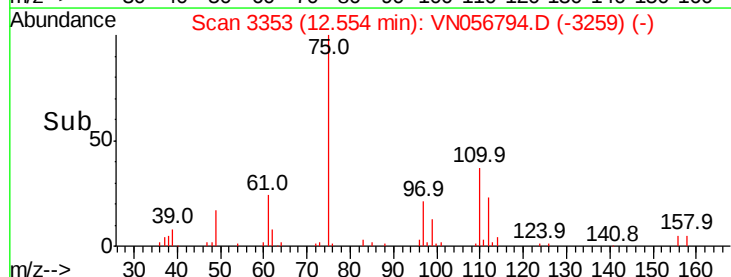
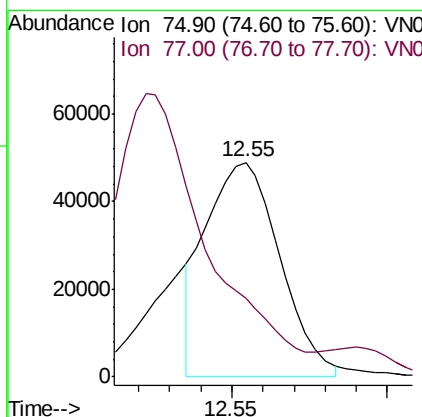
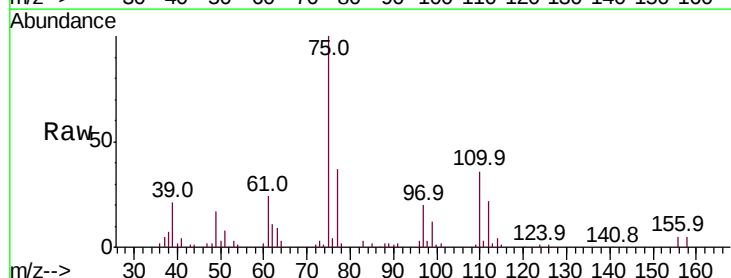
RT: 12.55 min Scan# 3353

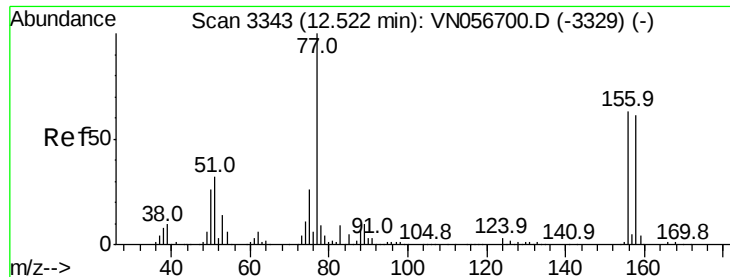
Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Tgt Ion:	75	Resp:	81244
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion:156 Resp: 73697

Ion Ratio Lower Upper

156 100

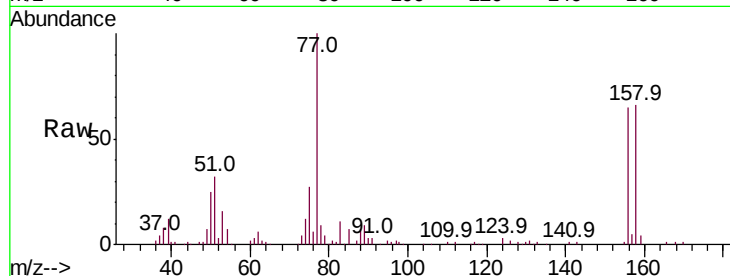
77 189.4 97.2 291.6

158 97.8 48.9 146.8

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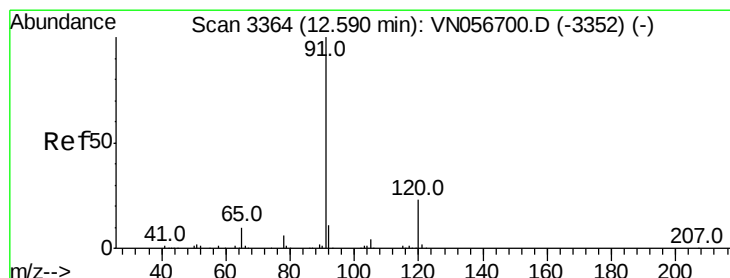
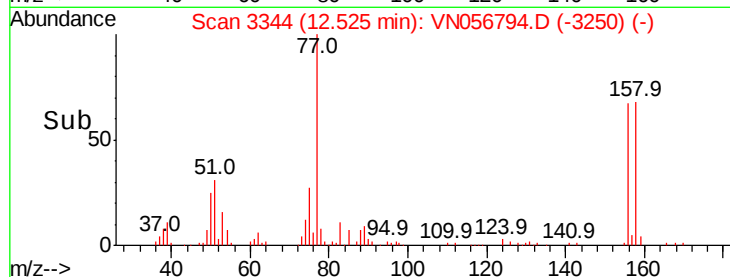
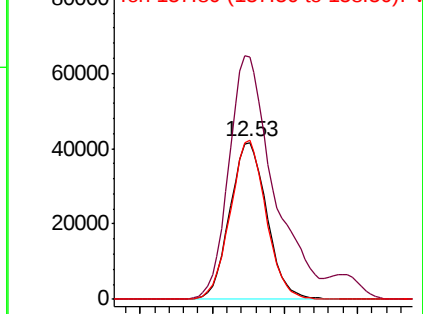
7/19/2019 1:06:37 AM



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: 18.751 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056794.D

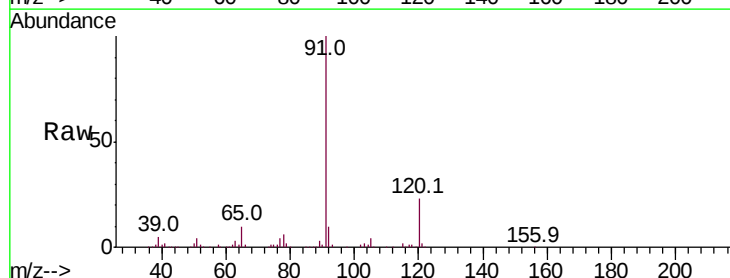
Acq: 17 Jul 2019 14:11

Tgt Ion: 91 Resp: 301753

Ion Ratio Lower Upper

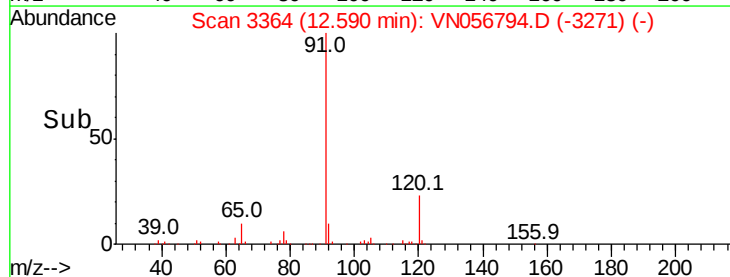
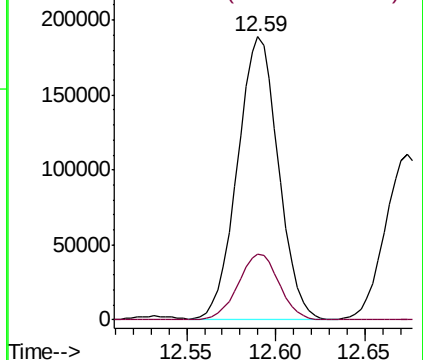
91 100

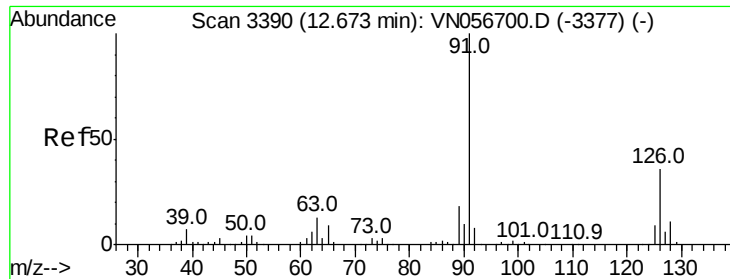
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0717WBSD01

Tot Ion: 91 Resp: 187141

Ion Ratio Lower Upper

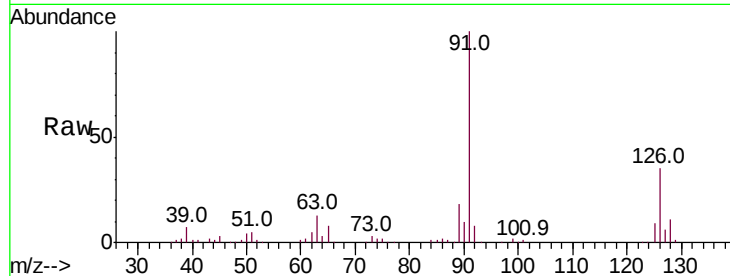
91 100

126 35.0 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

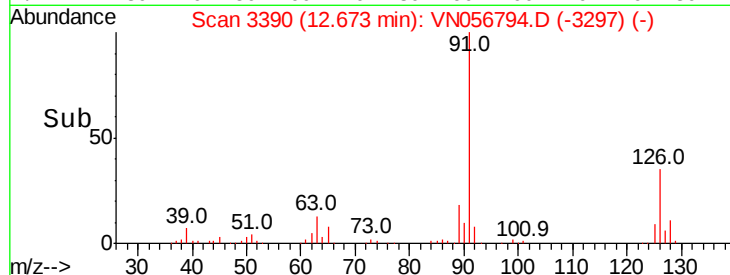
150000

100000

50000

0

12.60 12.65 12.70



Abundance Ion 91.00 (90.70 to 91.70): VN056794.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056794.D (-3297) (-)

150000

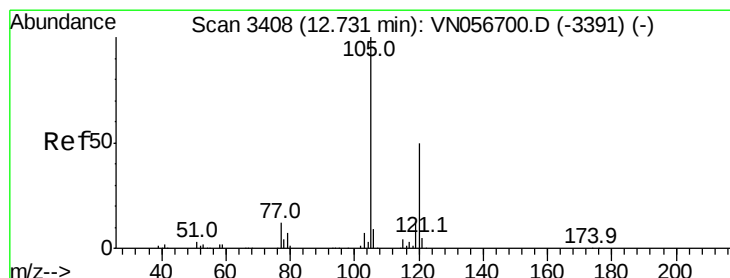
100000

50000

0

12.60 12.65 12.70

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.397 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056794.D

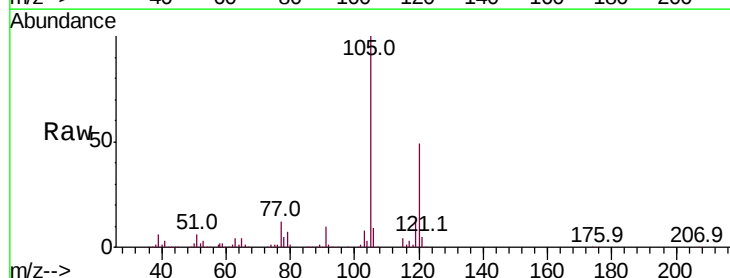
Acq: 17 Jul 2019 14:11

Tgt Ion:105 Resp: 238301

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)

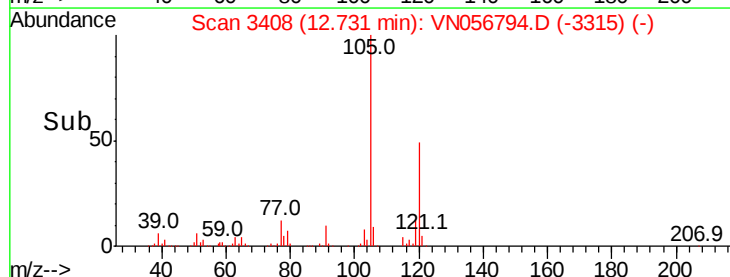
150000

100000

50000

0

12.65 12.70 12.75 12.80



Abundance Ion 105.00 (104.70 to 105.70): VN056794.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056794.D (-3315) (-)

150000

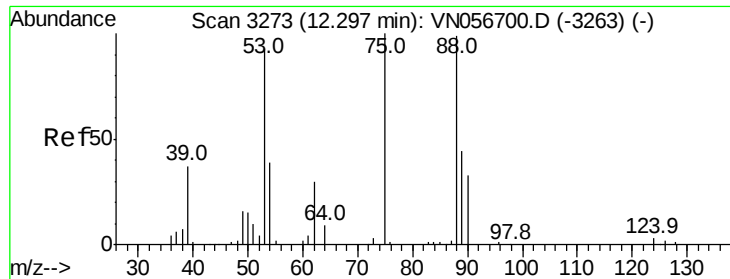
100000

50000

0

12.65 12.70 12.75 12.80

Time--> 12.65 12.70 12.75 12.80



#81

trans-1,4-Dichloro-2-butene

Concen: 17.278 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion: 75 Resp: 21997

Ion Ratio Lower Upper

75 100

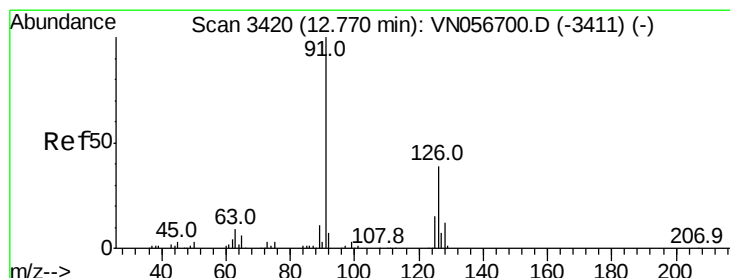
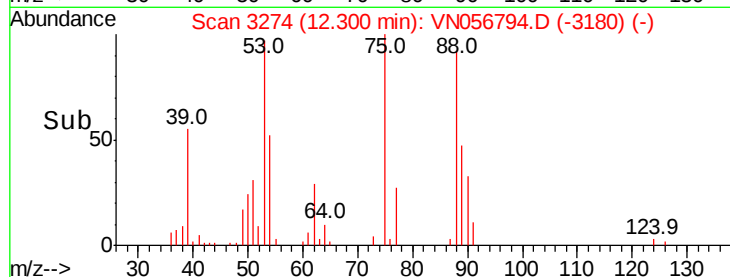
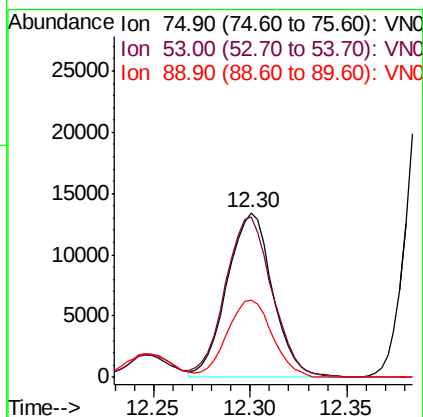
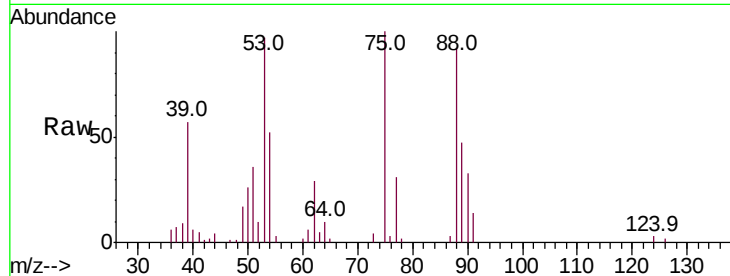
53 100.8 73.7 110.5

89 46.8 36.2 54.2

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#82

4-Chlorotoluene

Concen: 18.657 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056794.D

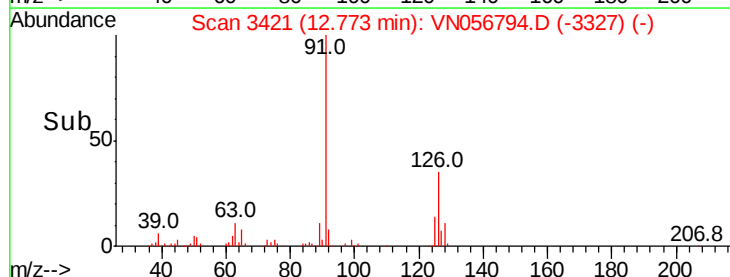
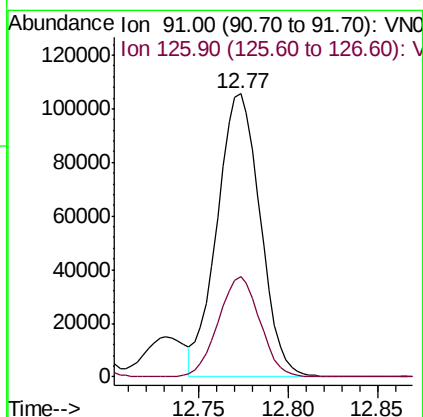
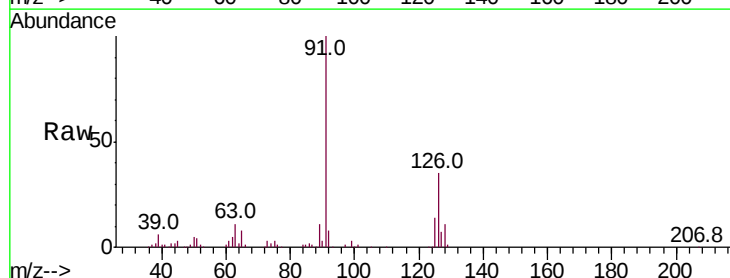
Acq: 17 Jul 2019 14:11

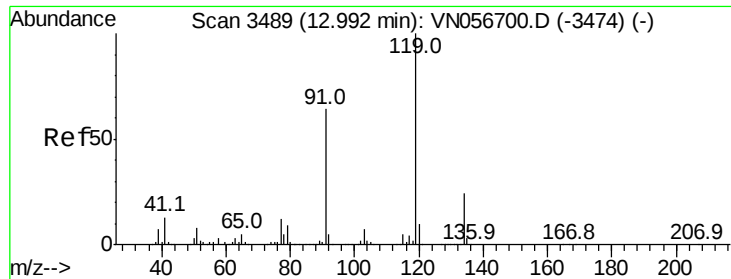
Tgt Ion: 91 Resp: 176190

Ion Ratio Lower Upper

91 100

126 34.4 17.6 52.8





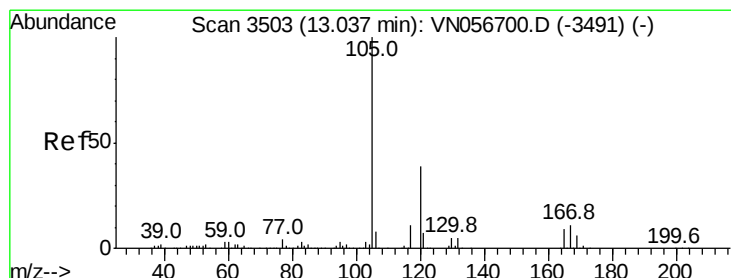
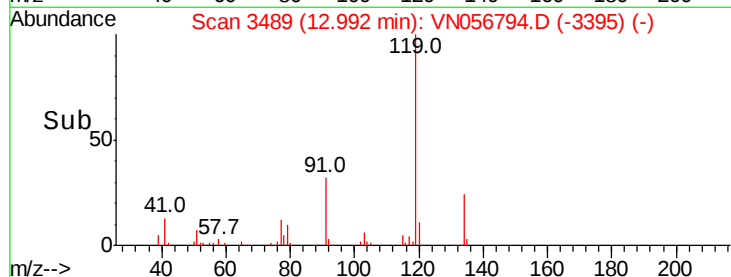
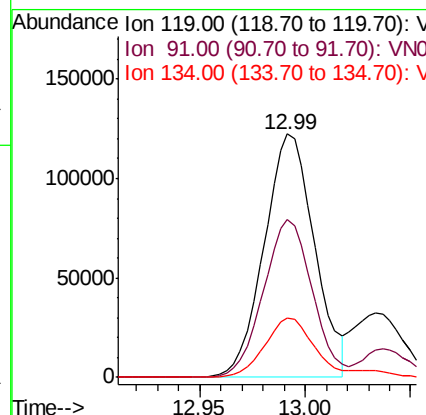
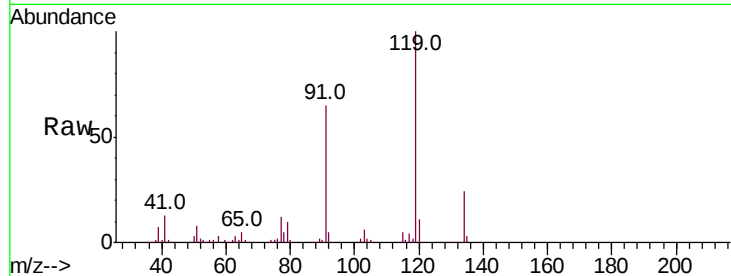
#83
tert-Butylbenzene
Concen: 20.390 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.8	95.4
134	23.9	13.0	38.9

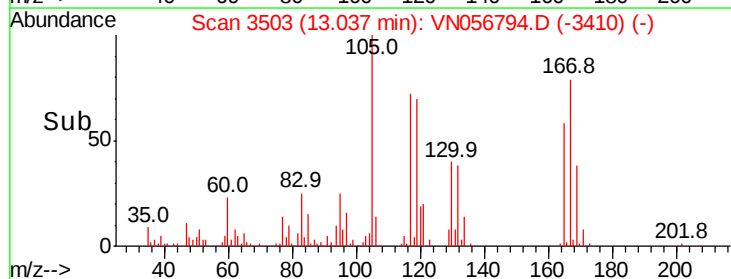
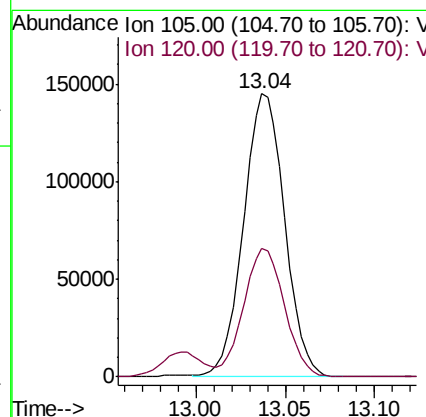
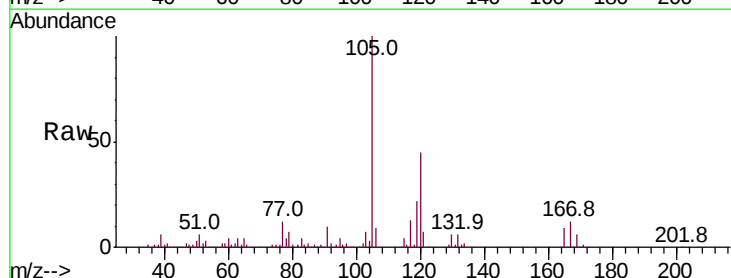
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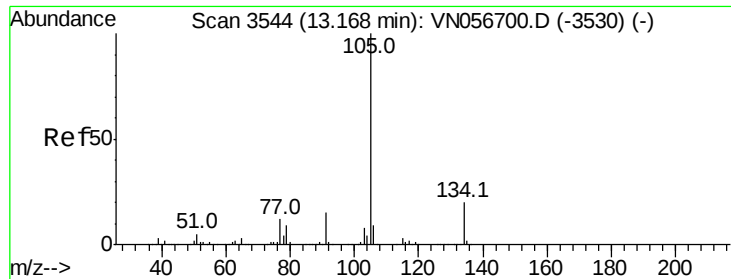
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.281 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.386 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

Tot Ion:105 Resp: 264645

Ion Ratio Lower Upper

105 100

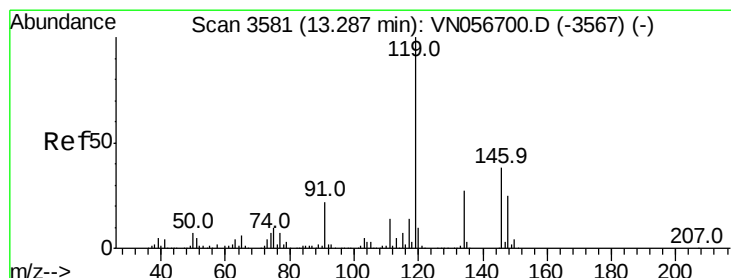
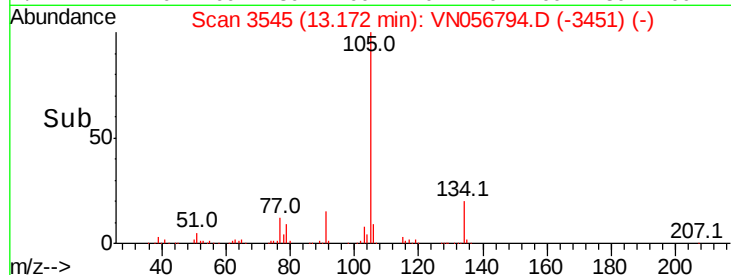
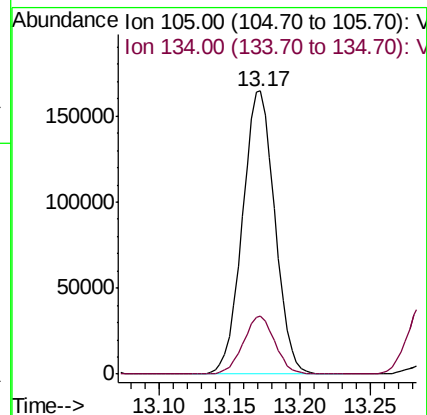
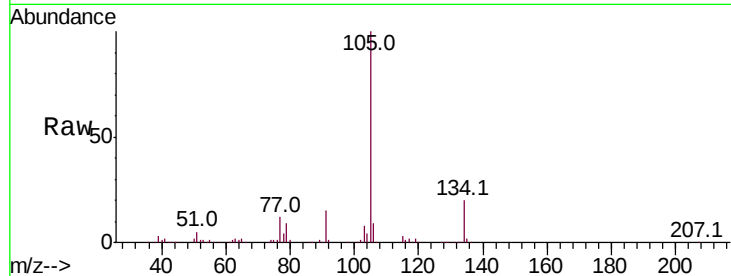
134 19.9 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.248 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056794.D

Acq: 17 Jul 2019 14:11

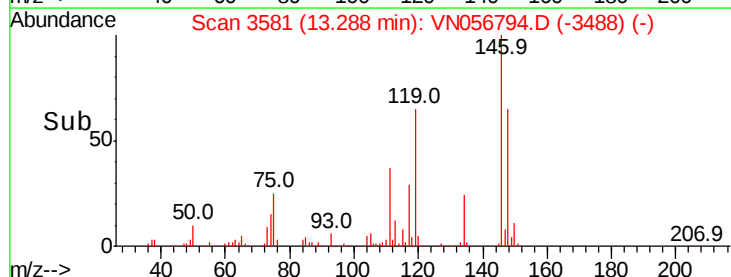
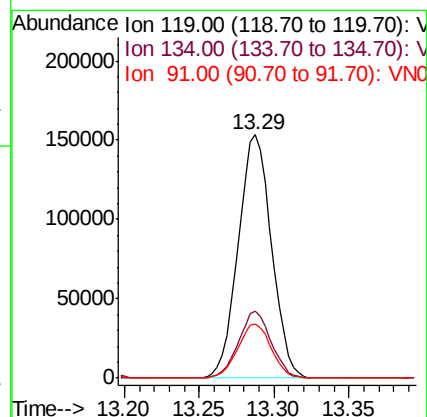
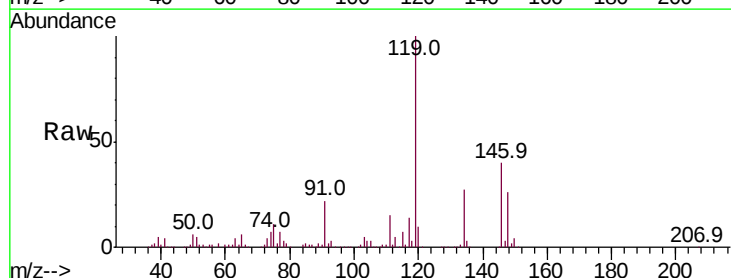
Tgt Ion:119 Resp: 238036

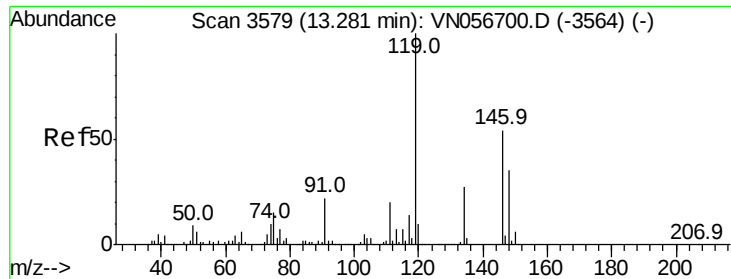
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 22.3 11.2 33.5





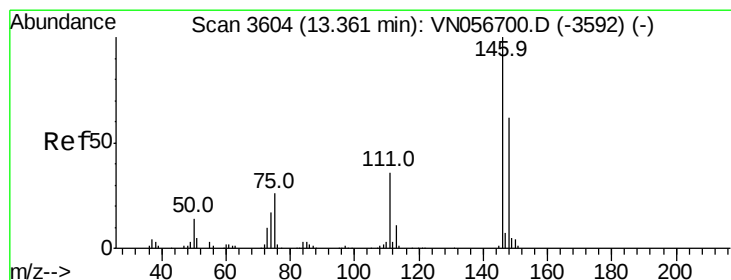
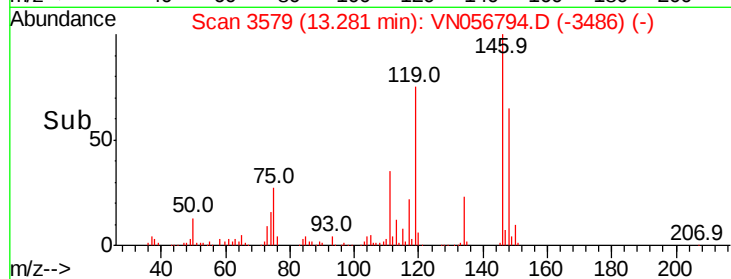
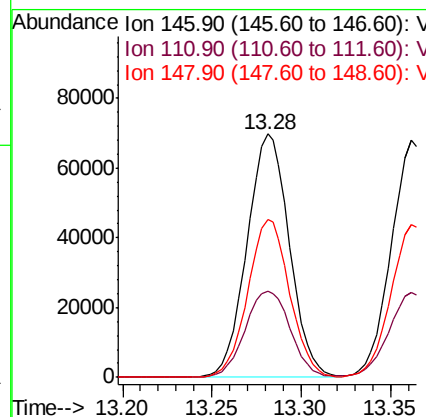
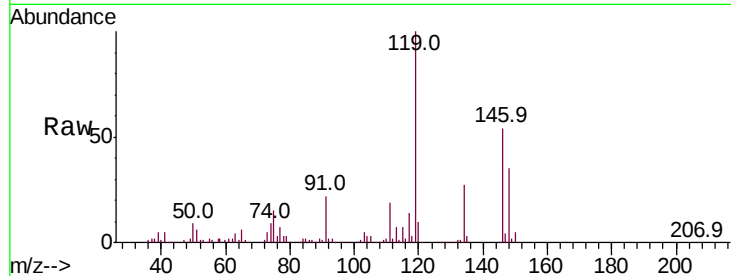
#87
 1,3-Dichlorobenzene
 Concen: 18.624 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.2	32.3	96.8

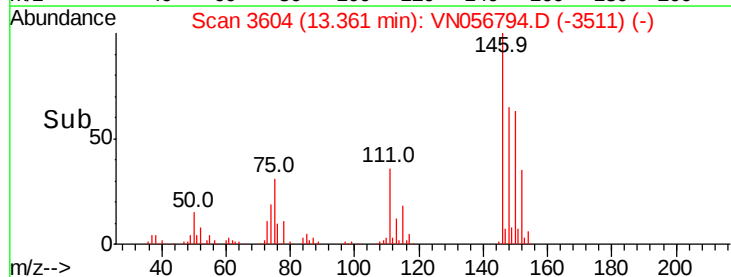
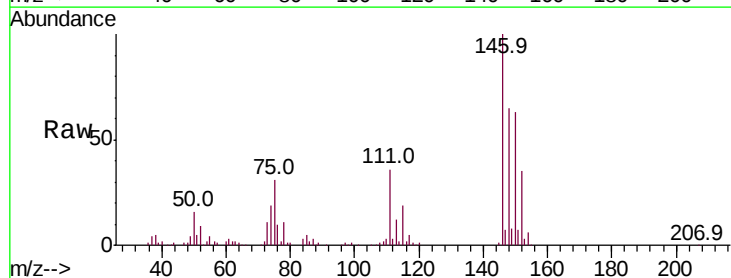
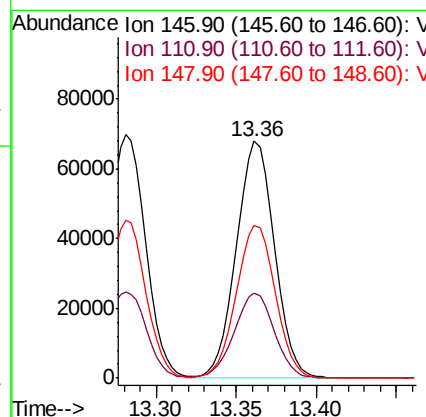
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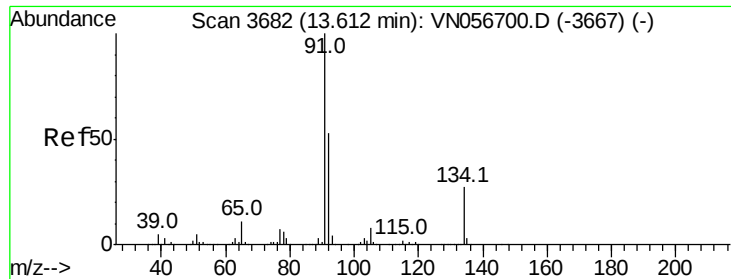
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#88
 1,4-Dichlorobenzene
 Concen: 18.264 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	66.1	31.9	95.7





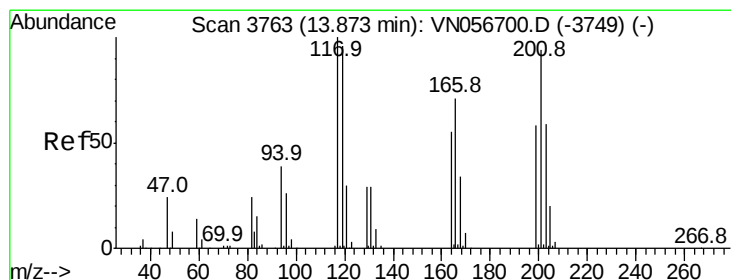
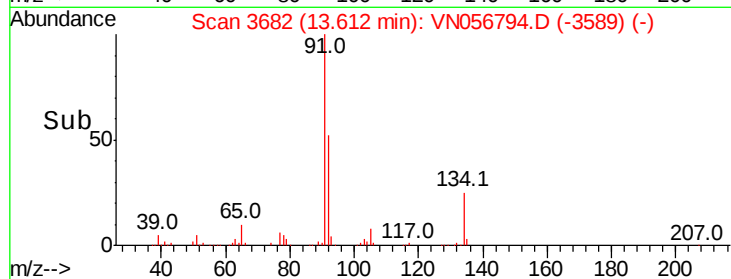
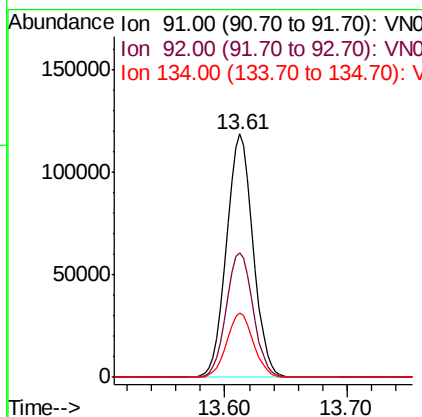
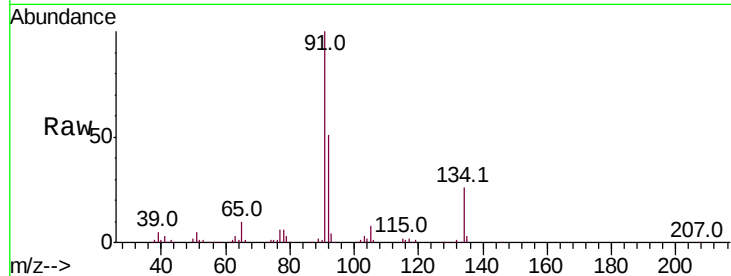
#89
n-Butylbenzene
Concen: 18.223 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	26.3	13.4	40.2

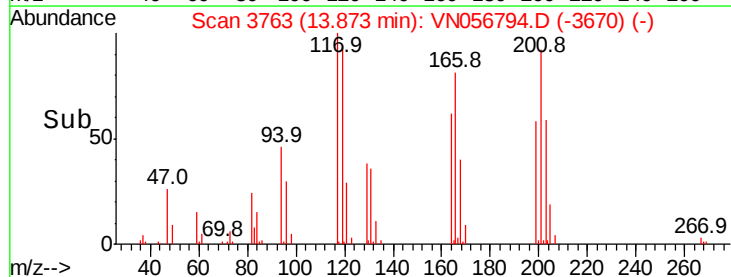
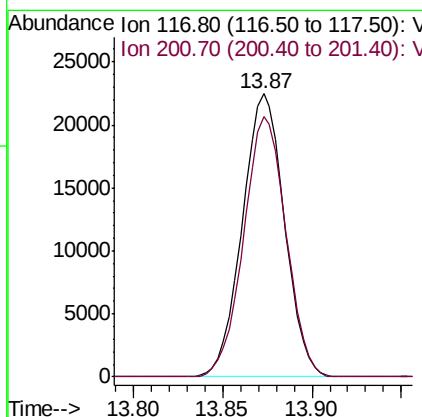
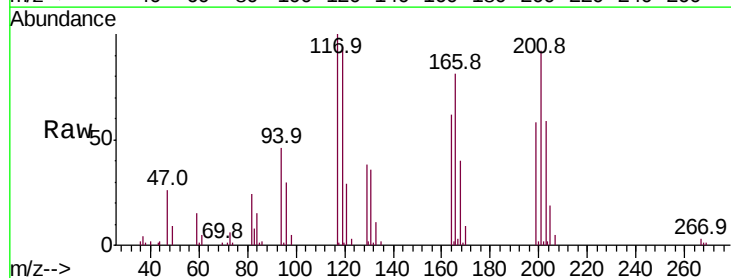
Manual Integrations
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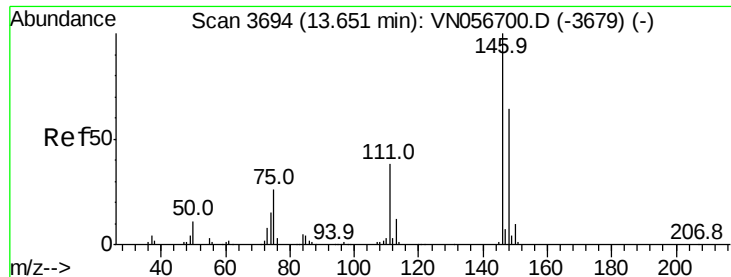
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#90
Hexachloroethane
Concen: 18.508 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.5	139.5





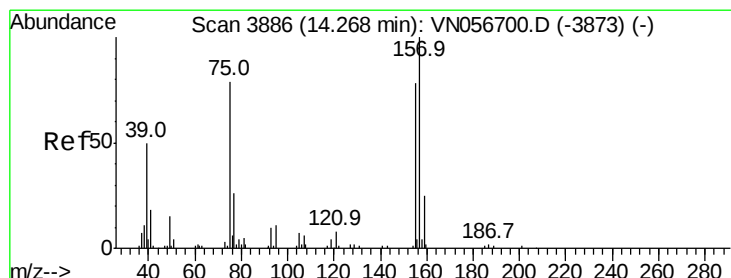
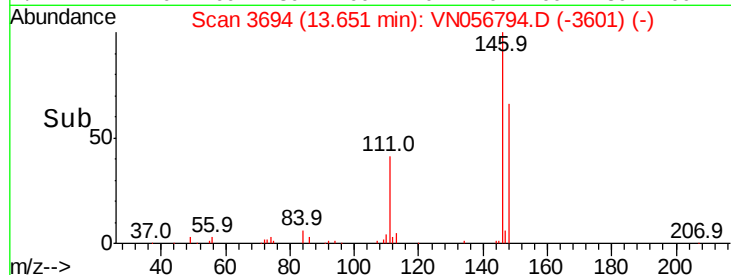
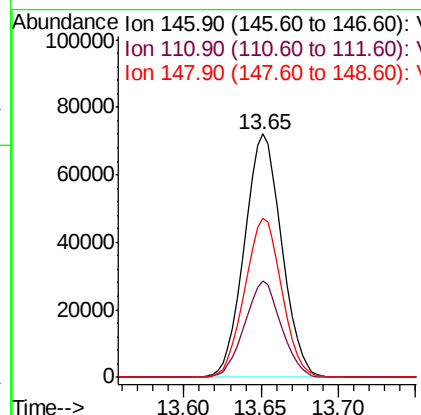
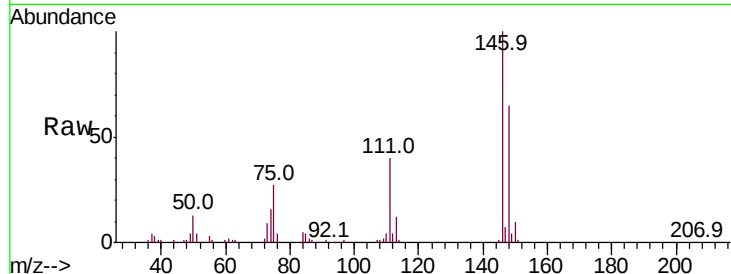
#91
 1,2-Dichlorobenzene
 Concen: 19.031 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.9	31.7	95.1

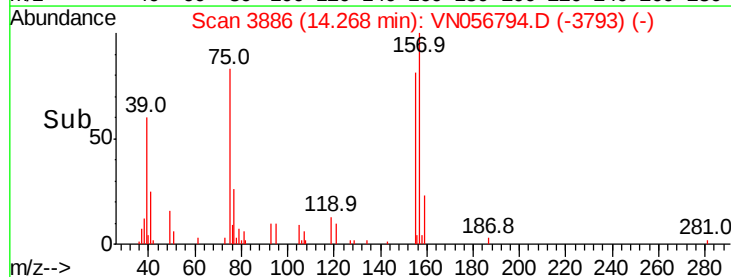
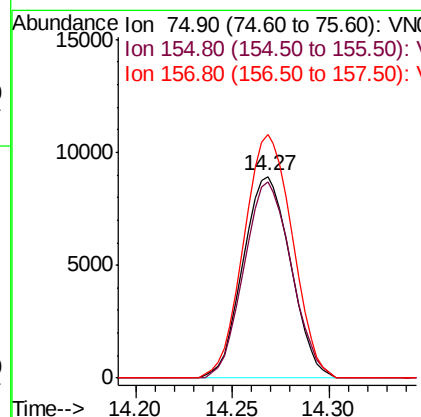
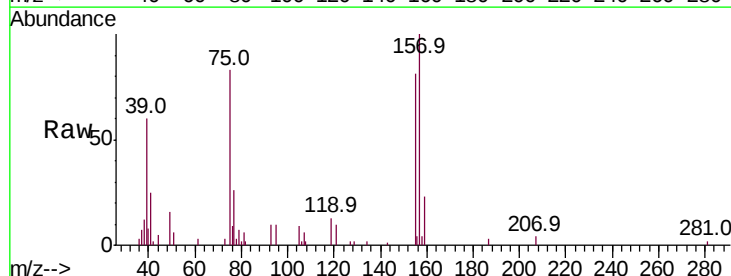
Manual Integrations
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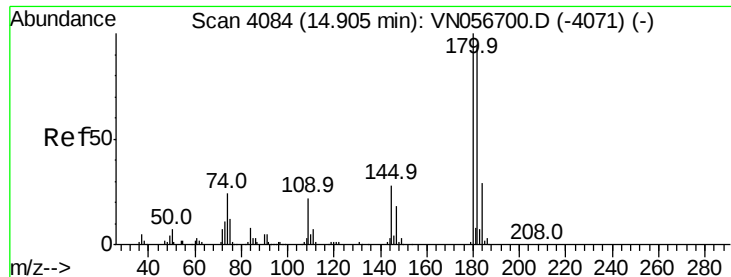
MMDadoda
 7/19/2019 1:06:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.655 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	49.3	147.9
157	123.2	62.4	187.1





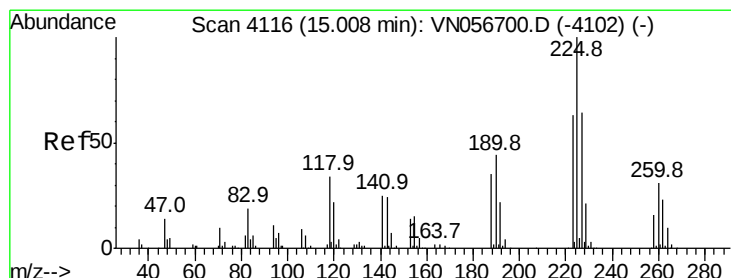
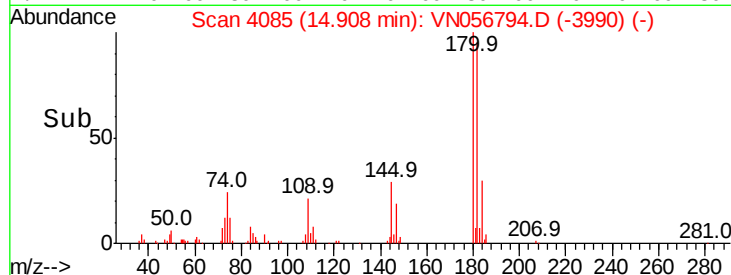
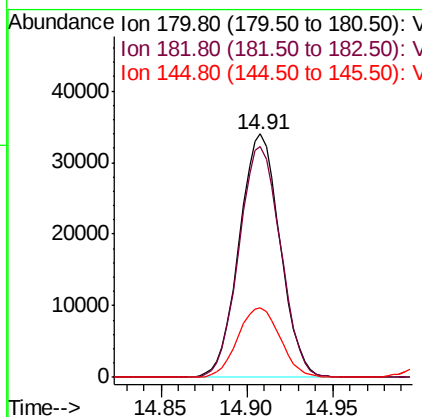
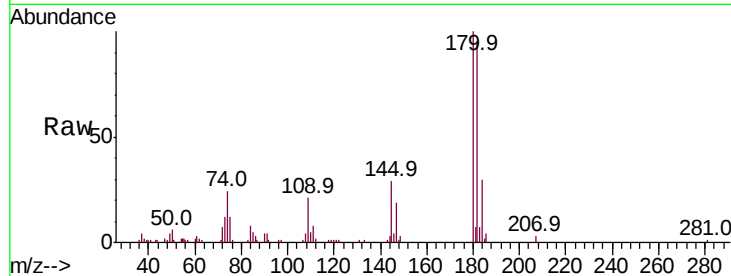
#93
 1,2,4-Trichlorobenzene
 Concen: 18.478 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.2	141.6
145	29.4	14.2	42.8

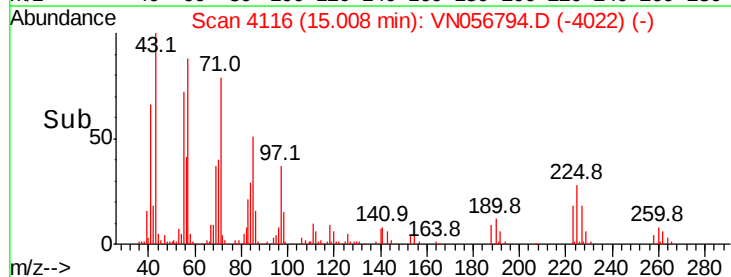
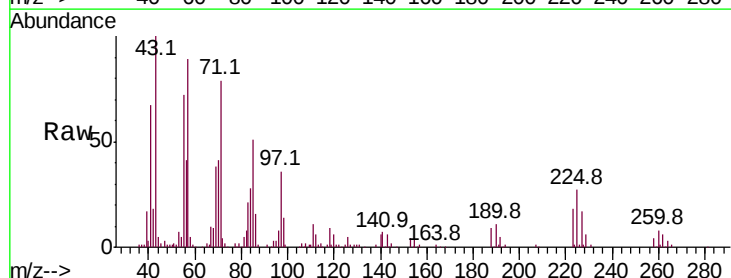
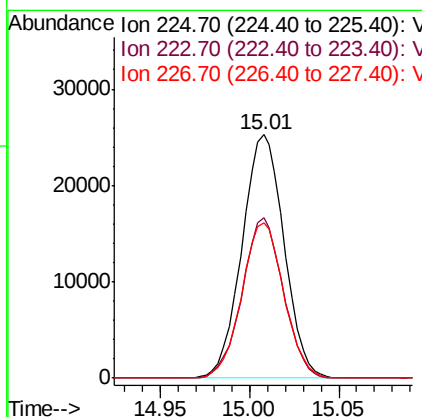
Manual Integrations
 APPROVED

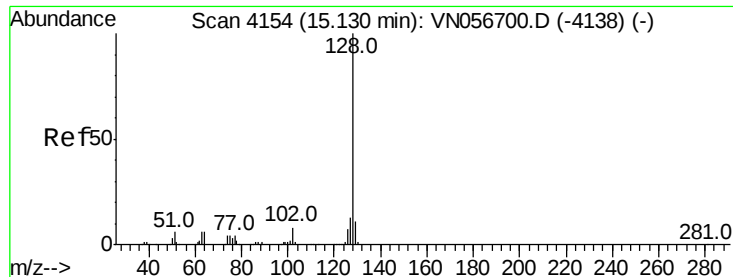
MMDadoda
 7/19/2019 1:06:37 AM



#94
 Hexachlorobutadiene
 Concen: 20.088 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056794.D
 Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.5	94.5
227	63.7	32.0	96.2





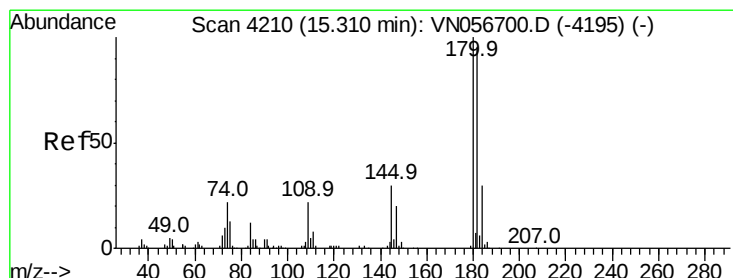
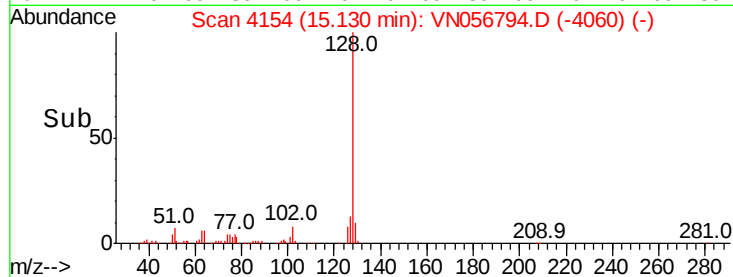
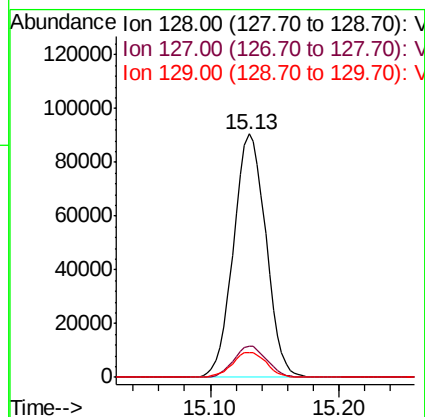
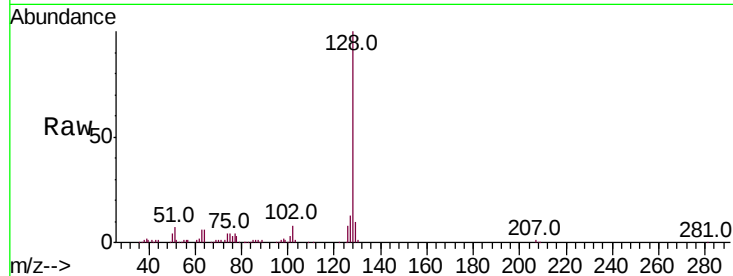
#95
Naphthalene
Concen: 19.459 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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7/19/2019 1:06:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.709 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056794.D
Acq: 17 Jul 2019 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.3
145	30.3	15.0	45.1

