

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056722.D
 Acq On : 15 Jul 2019 19:09
 Operator : JC/SP
 Sample : K3817-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:38 AM

Quant Time: Jul 16 05:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	333983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	516961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193654	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.59	113	171461	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.09	98	662876	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	231649	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148091	47.222	ug/l	100
3) Chloromethane	2.06	50	194674	46.172	ug/l	100
4) Vinyl Chloride	2.18	62	193307	47.610	ug/l	99
5) Bromomethane	2.56	94	118275	49.536	ug/l	95
6) Chloroethane	2.70	64	109365	46.224	ug/l	99
7) Trichlorofluoromethane	3.01	101	250914	48.161	ug/l	99
8) Diethyl Ether	3.41	74	98627	48.556	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153486	49.036	ug/l	100
10) Methyl Iodide	3.95	142	208090	49.703	ug/l	100
11) Tert butyl alcohol	4.79	59	135061	219.641	ug/l	100
12) 1,1-Dichloroethene	3.74	96	155072	49.392	ug/l	98
13) Acrolein	3.61	56	52415	249.583	ug/l	100
14) Allyl chloride	4.32	41	262908	48.421	ug/l	98
15) Acrylonitrile	4.99	53	438500	246.932	ug/l	99
16) Acetone	3.82	43	338529	198.850	ug/l	99
17) Carbon Disulfide	4.05	76	404541	48.759	ug/l	100
18) Methyl Acetate	4.33	43	171123	44.651	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	494491	49.431	ug/l	100
20) Methylene Chloride	4.55	84	181763	48.856	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	166959	50.308	ug/l	98
22) Diisopropyl ether	5.95	45	538902	50.284	ug/l	97
23) Vinyl Acetate	5.90	43	2142521	246.701	ug/l	99
24) 1,1-Dichloroethane	5.85	63	309968	49.885	ug/l	99
25) 2-Butanone	6.84	43	571969	229.802	ug/l	99
26) 2,2-Dichloropropane	6.83	77	207135	46.233	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	195454	51.182	ug/l	99
28) Bromochloromethane	7.19	49	147469	50.477	ug/l	100
29) Tetrahydrofuran	7.21	42	400052	246.432	ug/l	98
30) Chloroform	7.37	83	302440	48.640	ug/l	98
31) Cyclohexane	7.65	56	289217	48.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	249395	50.717	ug/l	100
36) 1,1-Dichloropropene	7.79	75	232198	48.539	ug/l	99
37) Ethyl Acetate	6.93	43	227083	48.163	ug/l	100
38) Carbon Tetrachloride	7.78	117	218726	48.755	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287544	48.680	ug/l	99
40) Benzene	8.04	78	718635	49.028	ug/l	99
41) Methacrylonitrile	7.18	41	107309m	51.814	ug/l	
42) 1,2-Dichloroethane	8.12	62	226585	48.912	ug/l	99
43) Isopropyl Acetate	8.17	43	358750	48.400	ug/l	100
44) Trichloroethene	8.84	130	193924	48.720	ug/l	98
45) 1,2-Dichloropropane	9.12	63	192872	49.520	ug/l	100
46) Dibromomethane	9.21	93	122508	50.757	ug/l	98
47) Bromodichloromethane	9.40	83	233325	50.872	ug/l	98
48) Methyl methacrylate	9.20	41	180155	50.258	ug/l	99
49) 1,4-Dioxane	9.20	88	55479	754.279	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1191037	248.095	ug/l	100
52) Toluene	10.16	92	439720	50.514	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	244001	50.991	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	278594	50.172	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	176824	48.430	ug/l	99
56) Ethyl methacrylate	10.43	69	274352	52.223	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298076	49.986	ug/l	99
59) 2-Hexanone	10.75	43	854164	247.965	ug/l	99
60) Dibromochloromethane	10.90	129	186998	52.077	ug/l	99
61) 1,2-Dibromoethane	11.00	107	185640	51.162	ug/l	98
64) Tetrachloroethene	10.63	164	187693	46.024	ug/l	98
65) Chlorobenzene	11.43	112	469342	48.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171742	48.258	ug/l	99
67) Ethyl Benzene	11.51	91	832677	49.020	ug/l	100
68) m/p-Xylenes	11.62	106	623693	98.246	ug/l	100
69) o-Xylene	11.95	106	302449	48.461	ug/l	99
70) Stvrene	11.96	104	513375	50.879	ug/l	99
71) Bromoform	12.13	173	139154	51.390	ug/l #	99
73) Isopropylbenzene	12.25	105	801201	44.739	ug/l	100
74) N-amyl acetate	12.07	43	285798	42.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	254842	49.108	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224466m	46.208	ug/l	
77) Bromobenzene	12.53	156	211446	45.141	ug/l	98
78) n-propylbenzene	12.59	91	905230	45.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	534750	48.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673334	44.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72096	45.835	ug/l	99
82) 4-Chlorotoluene	12.77	91	533781	45.749	ug/l	99
83) tert-Butylbenzene	12.99	119	573479	48.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	675375	45.548	ug/l	99
85) sec-Butylbenzene	13.17	105	765462	45.386	ug/l	100
86) p-Isopropyltoluene	13.29	119	695054	45.492	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351331	45.767	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342797	45.908	ug/l	99
89) n-Butylbenzene	13.61	91	591943	48.098	ug/l	100
90) Hexachloroethane	13.87	117	111443	45.105	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	350291	44.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44806	46.658	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	189047	44.059	ug/l	100

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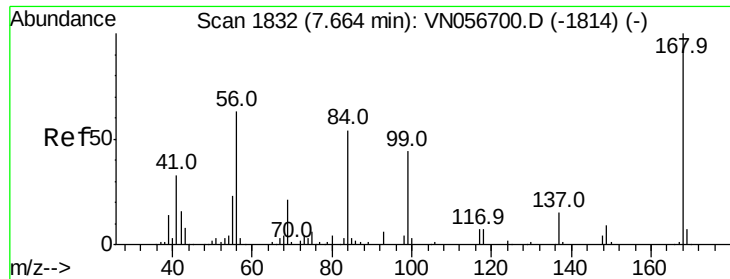
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	111249	44.971	ug/l	100
95) Naphthalene	15.13	128	502293	42.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	192372	45.025	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion:168 Resp: 333983

Ion Ratio Lower Upper

168 100

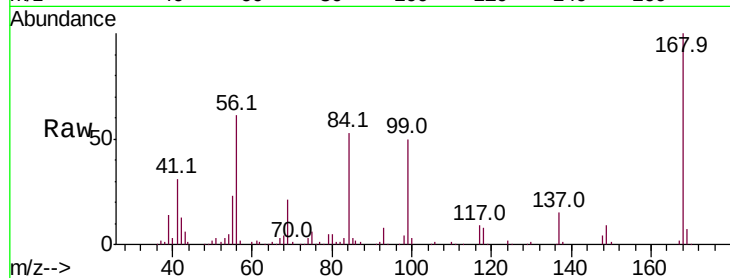
99 49.6 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

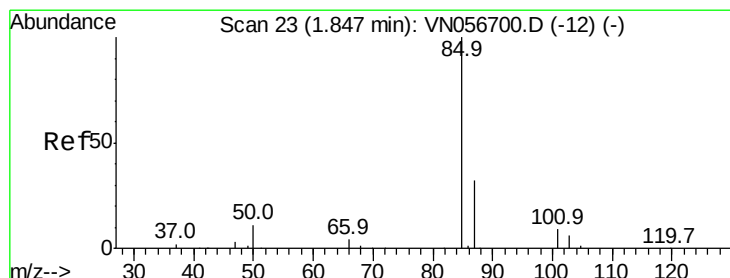
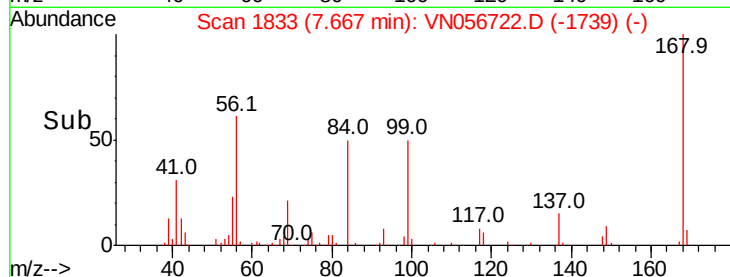
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.222 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056722.D

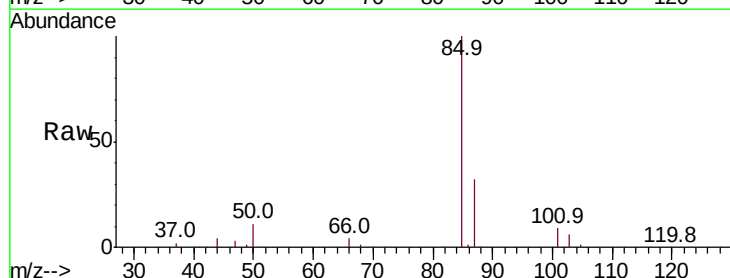
Acq: 15 Jul 2019 19:09

Tgt Ion: 85 Resp: 148091

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

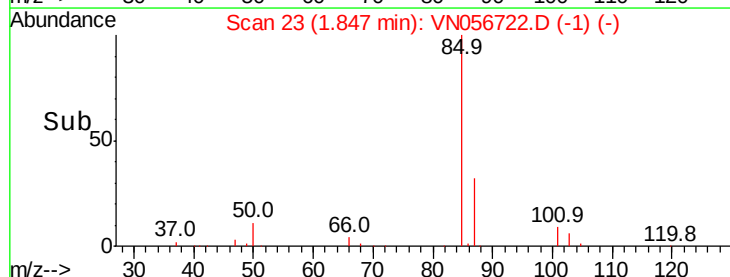
40000

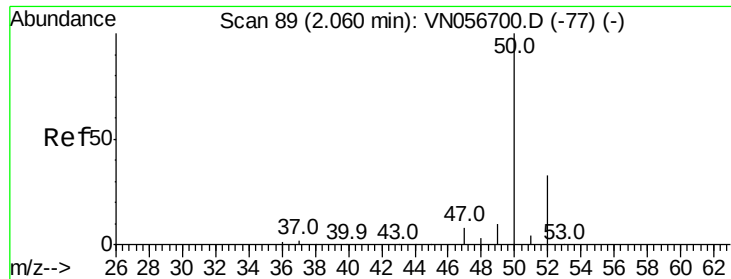
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.172 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 50 Resp: 194674

Ion Ratio Lower Upper

50 100

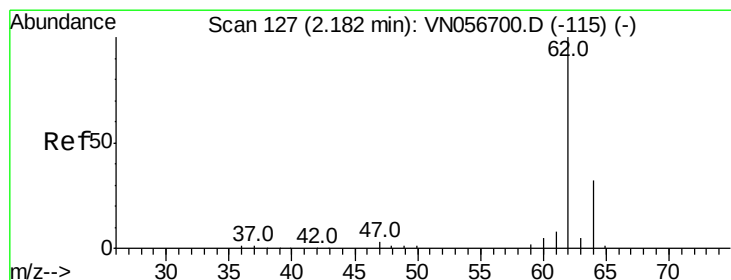
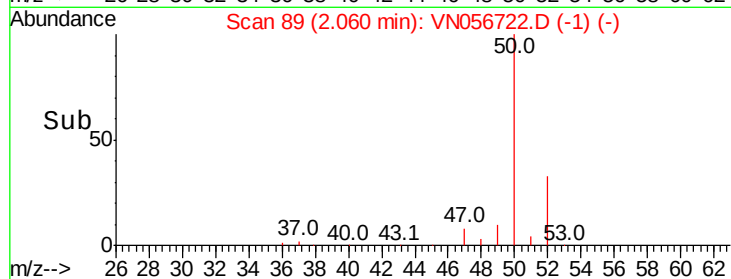
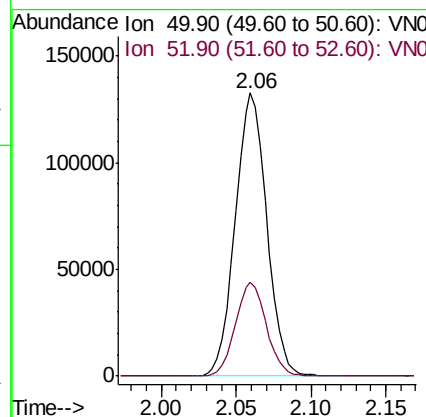
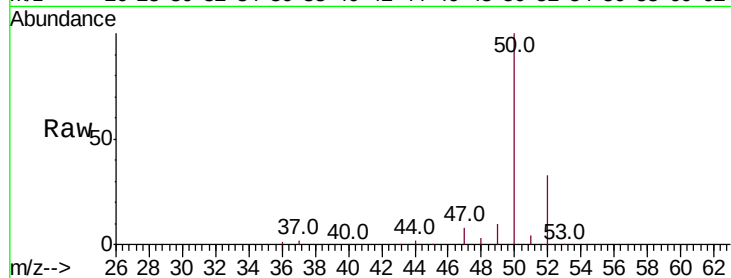
52 33.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 47.610 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056722.D

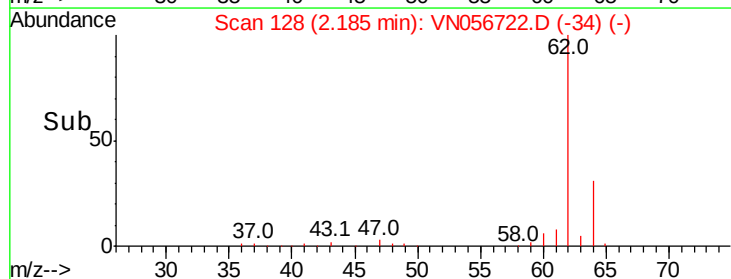
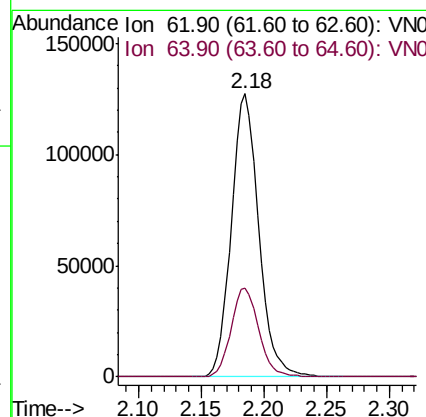
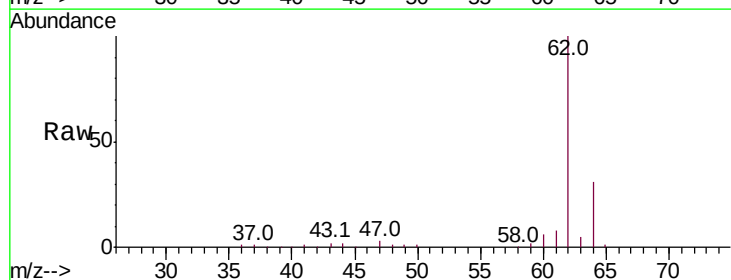
Acq: 15 Jul 2019 19:09

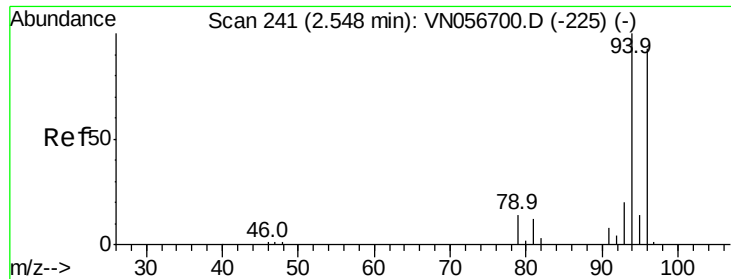
Tgt Ion: 62 Resp: 193307

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 49.536 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 118275

Ion Ratio Lower Upper

94 100

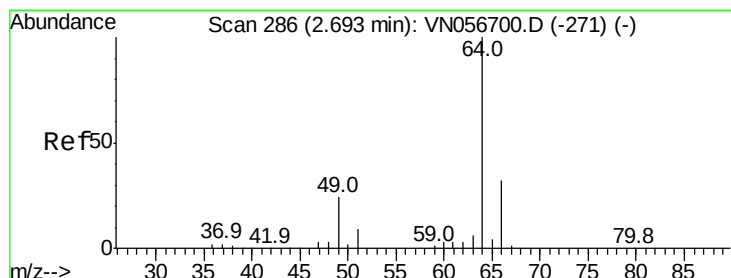
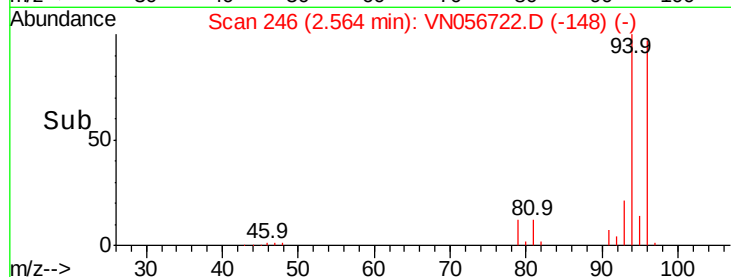
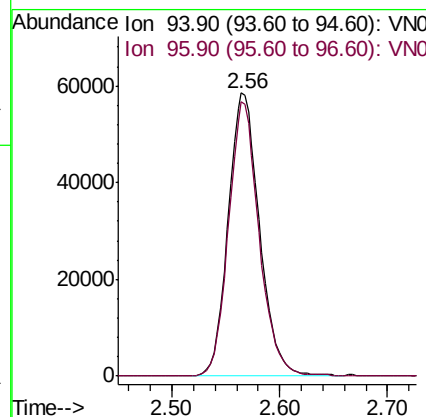
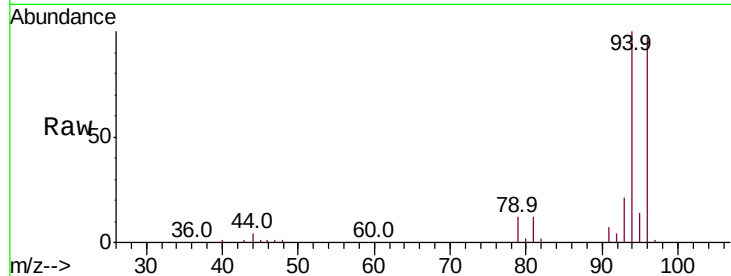
96 96.9 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 46.224 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN056722.D

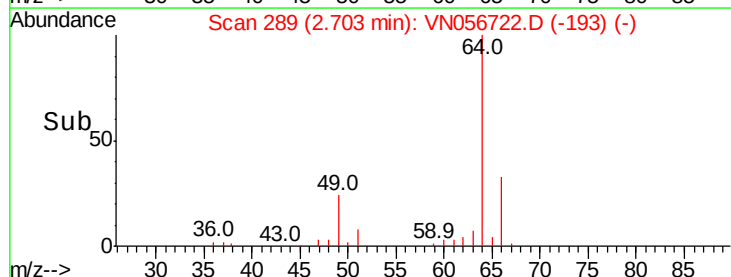
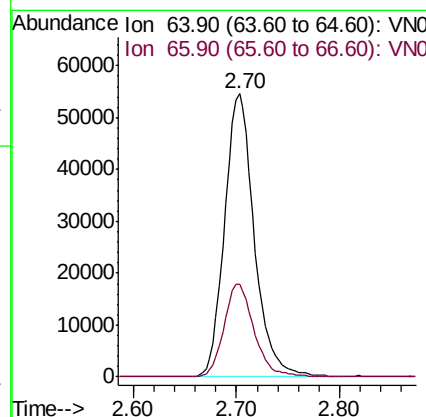
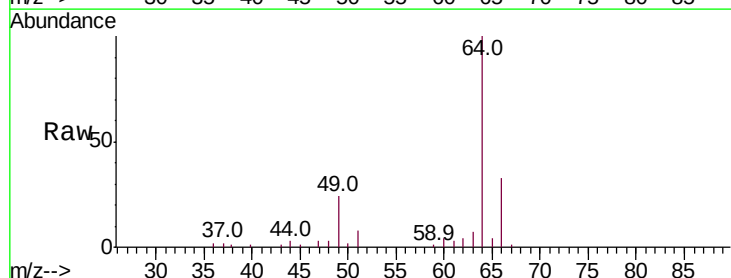
Acq: 15 Jul 2019 19:09

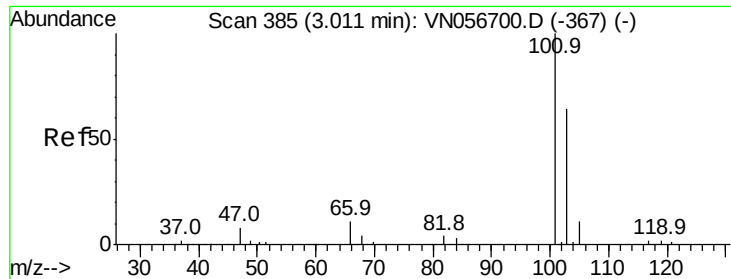
Tgt Ion: 64 Resp: 109365

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.8





#7

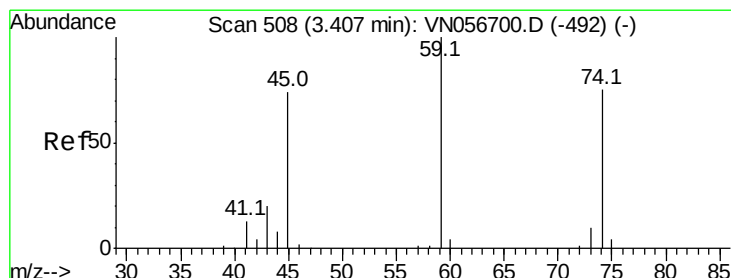
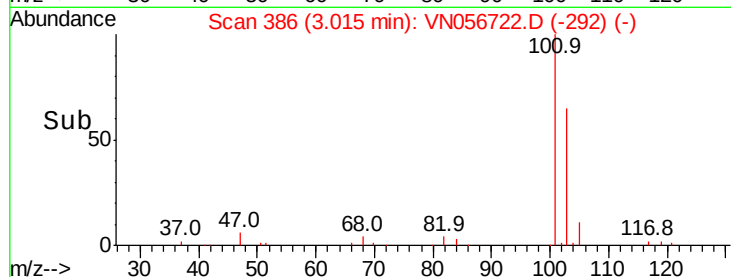
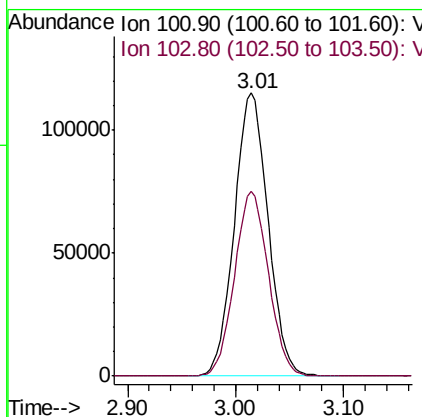
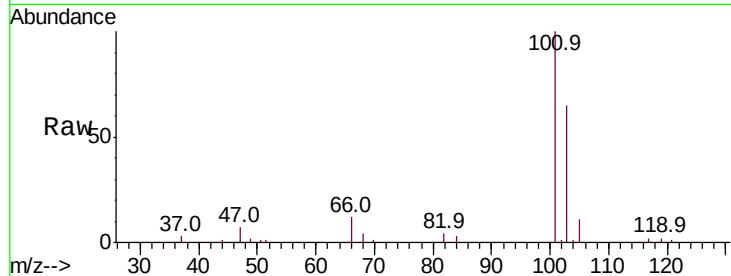
Trichlorofluoromethane
Concen: 48.161 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.5	77.3

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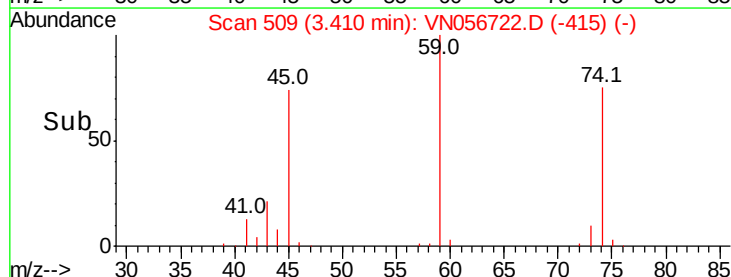
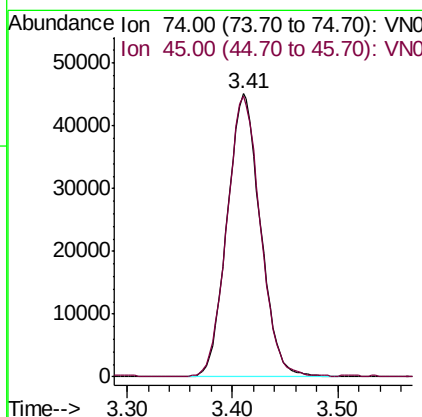
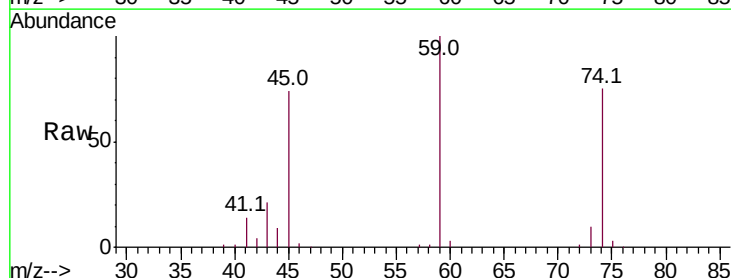
MMDadoda
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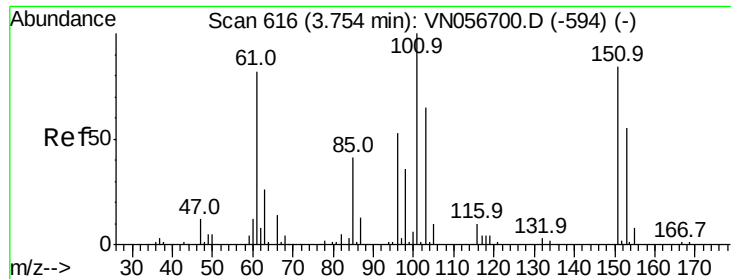


#8

Diethyl Ether
Concen: 48.556 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.036 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

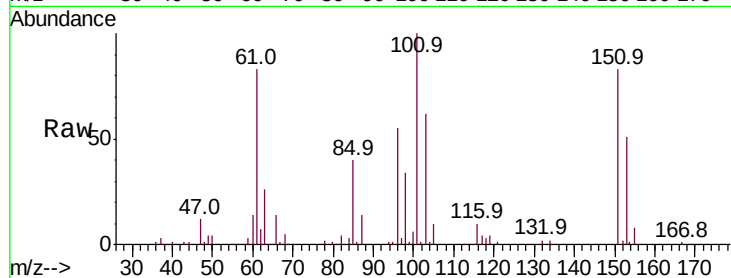
ClientSampleId :

SA-TW532-2126MS

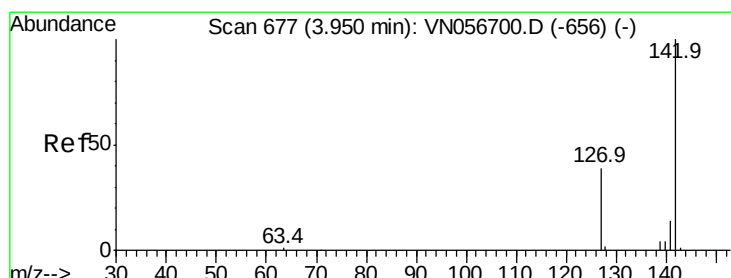
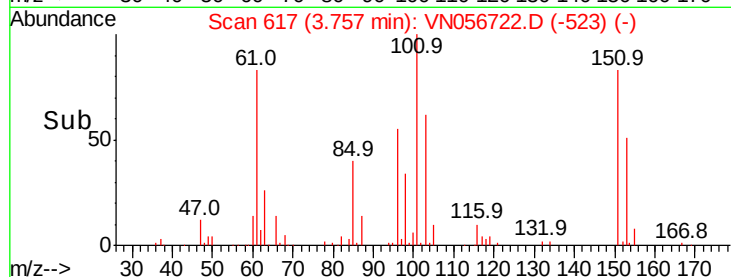
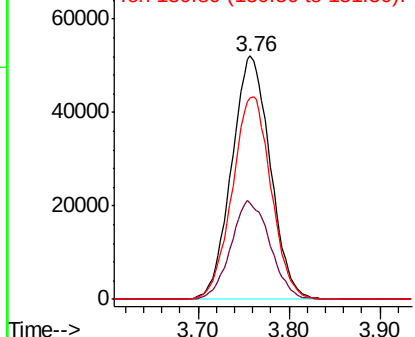
Tot Ion:	101	Resp:	153486
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.3	49.9
151	83.8	67.0	100.6

Manual Integrations
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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: 49.703 ug/l

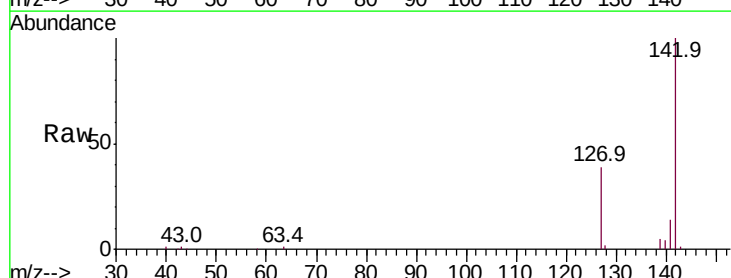
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

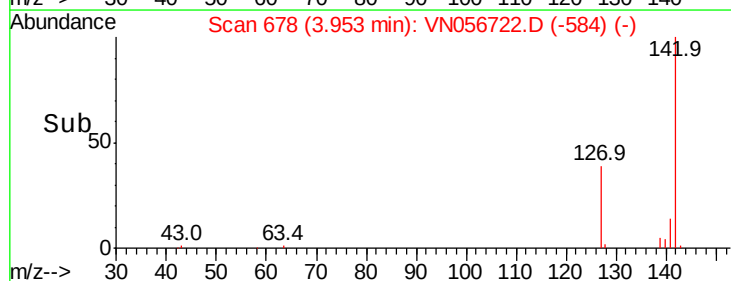
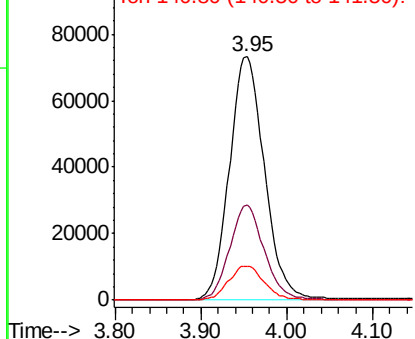
Lab File: VN056722.D

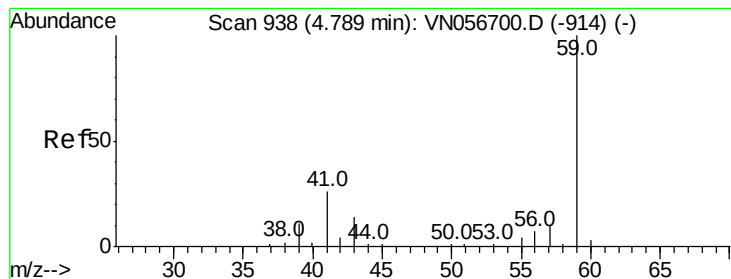
Acq: 15 Jul 2019 19:09

Tgt Ion:	142	Resp:	208090
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.7	46.1
141	14.1	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

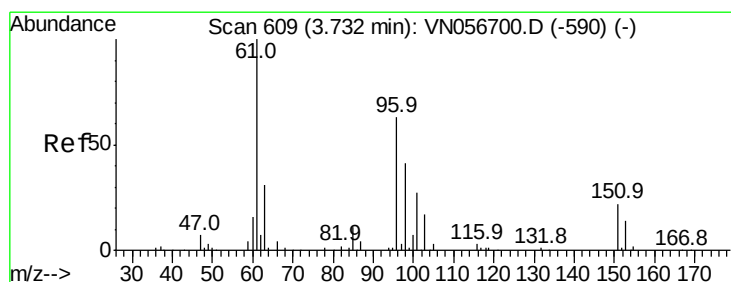
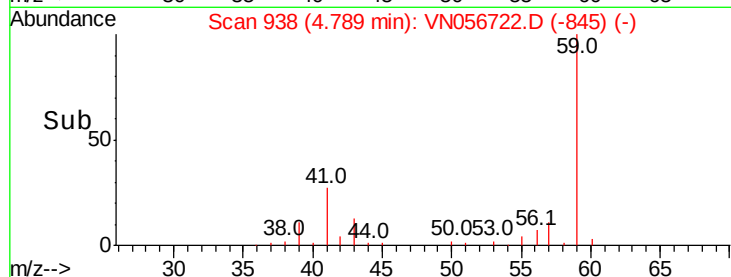
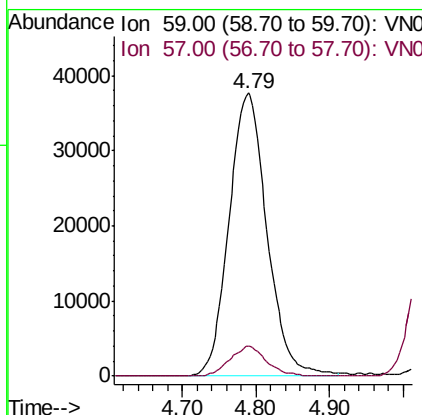
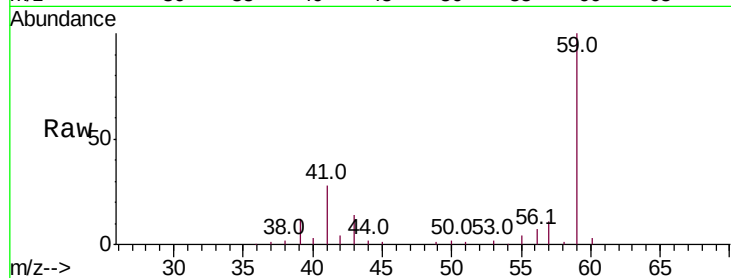
Tert butyl alcohol
 Concen: 219.641 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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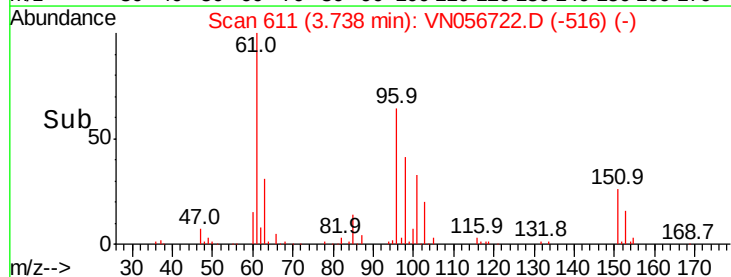
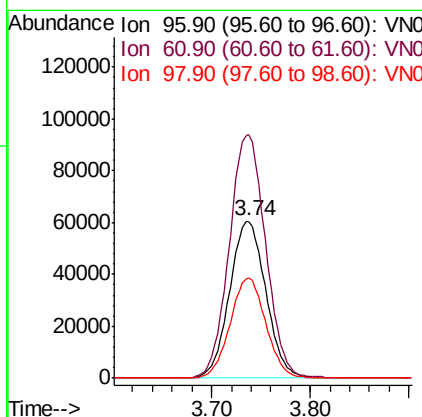
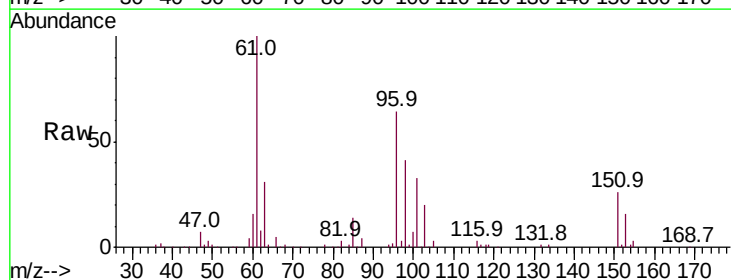
MMDadoda
 7/17/2019 1:31:38 AM

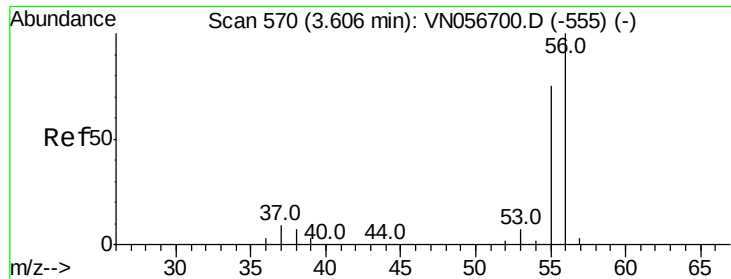


#12

1,1-Dichloroethene
 Concen: 49.392 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	126.6	189.8
98	64.1	51.4	77.2





#13

Acrolein

Concen: 249.583 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 56 Resp: 52415

Ion Ratio Lower Upper

56 100

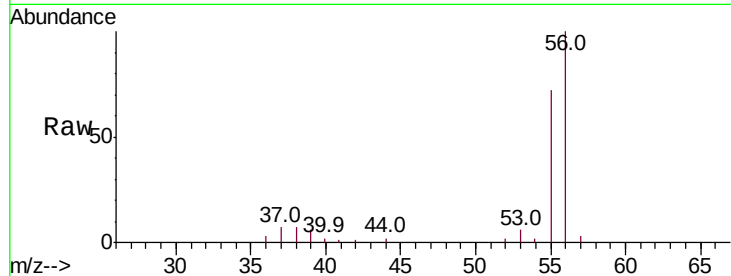
55 72.1 58.0 87.0

Manual Integrations

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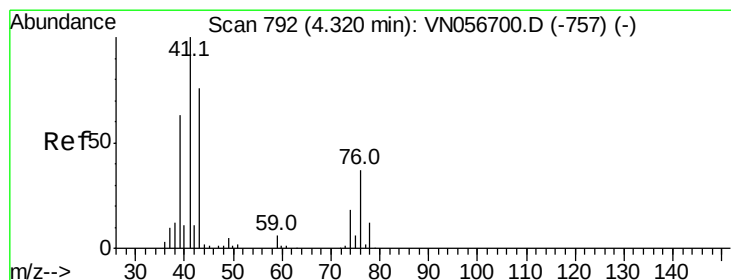
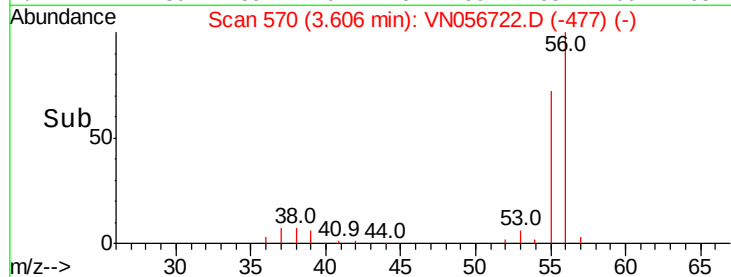
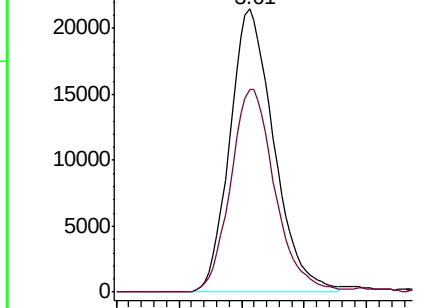
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN056700.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN056700.D (-555) (-)



#14

Allyl chloride

Concen: 48.421 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

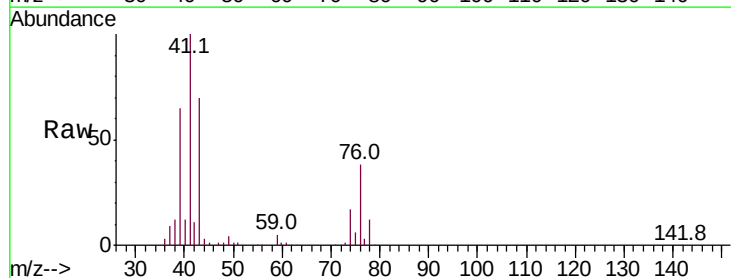
Tgt Ion: 41 Resp: 262908

Ion Ratio Lower Upper

41 100

39 59.8 46.9 70.3

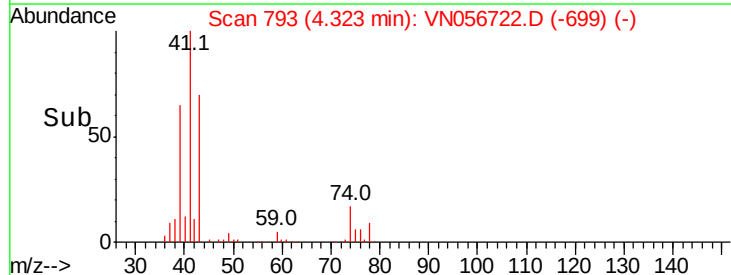
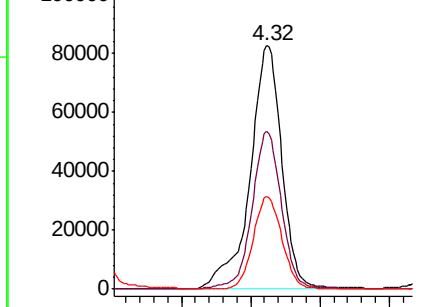
76 34.3 26.5 39.7

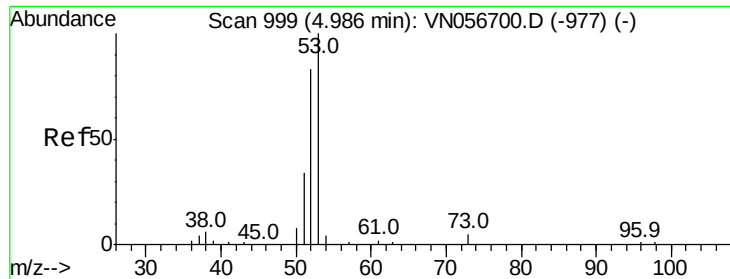


Abundance Ion 41.00 (40.70 to 41.70): VN056700.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN056700.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN056700.D (-757) (-)





#15

Acrylonitrile

Concen: 246.932 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

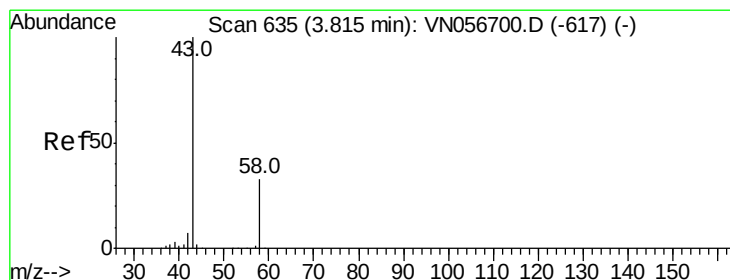
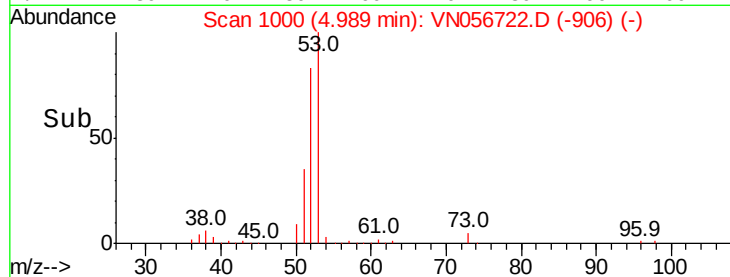
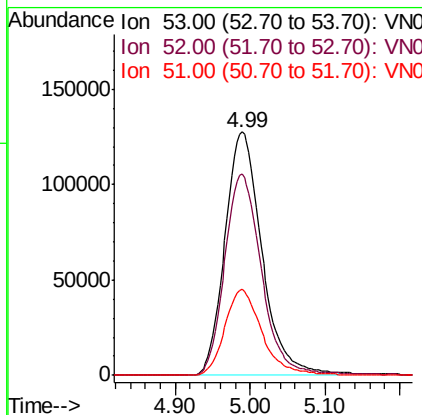
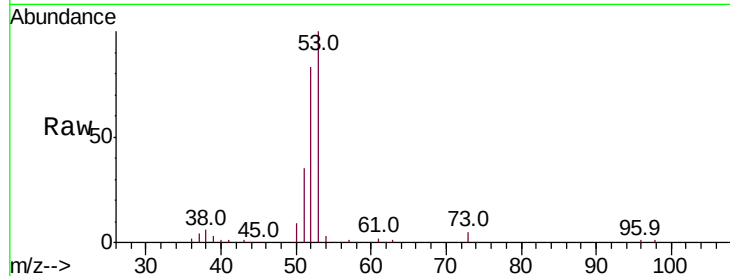
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	53	Resp:	438500
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 198.850 ug/l

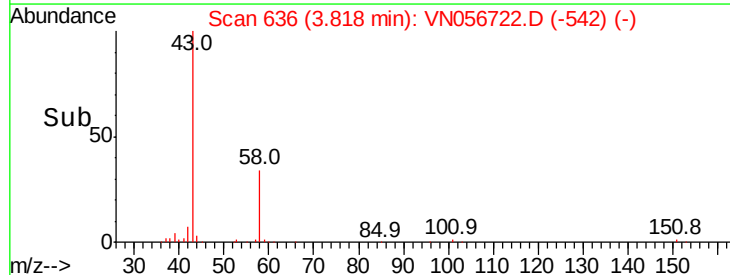
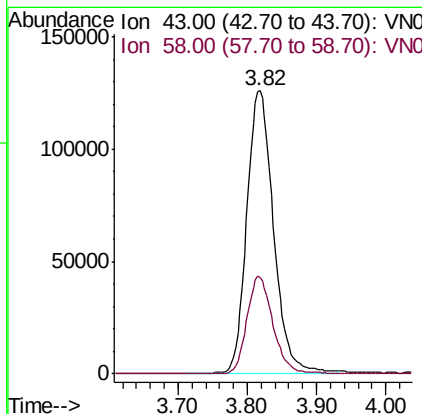
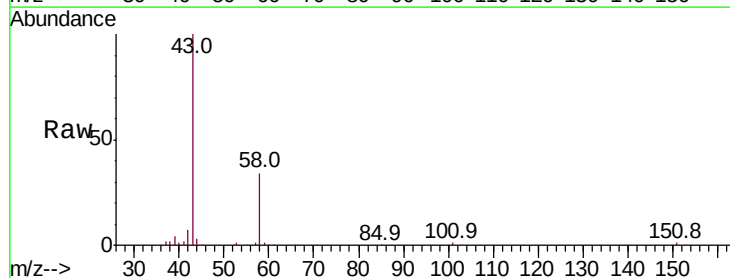
RT: 3.82 min Scan# 636

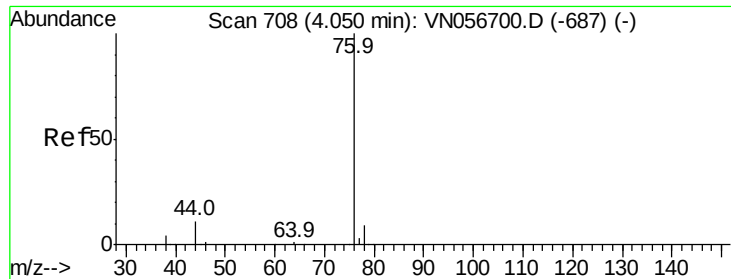
Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	43	Resp:	338529
Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.7	40.1





#17

Carbon Disulfide

Concen: 48.759 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 76 Resp: 404541

Ion Ratio Lower Upper

76 100

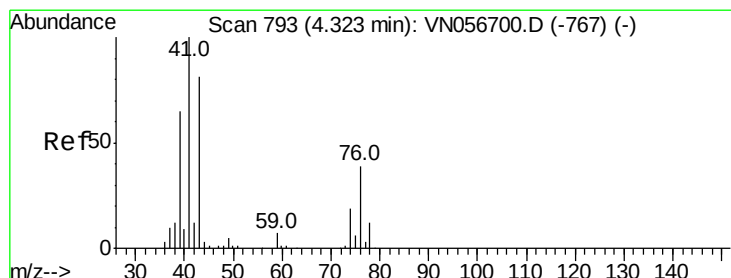
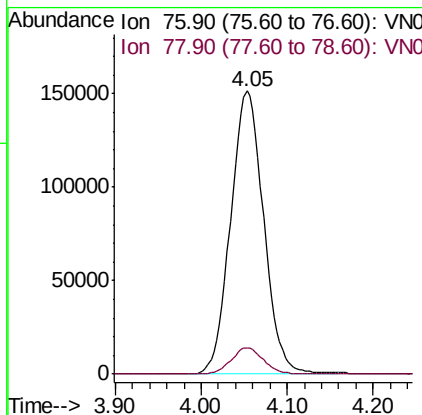
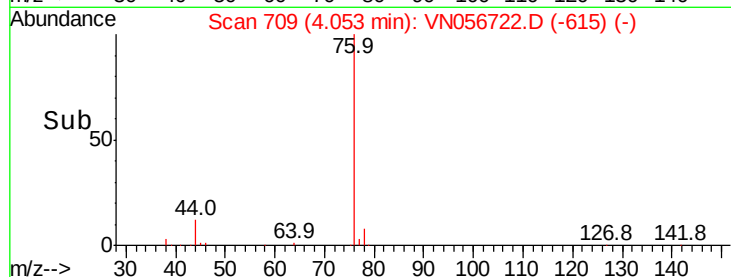
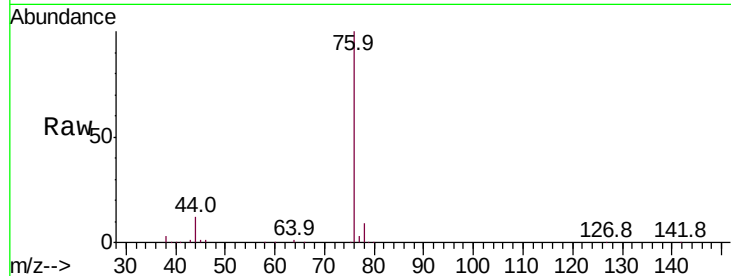
78 9.2 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 44.651 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056722.D

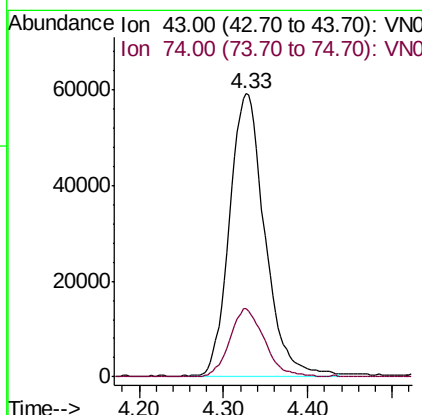
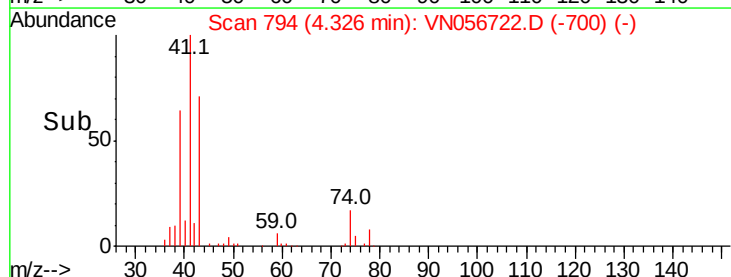
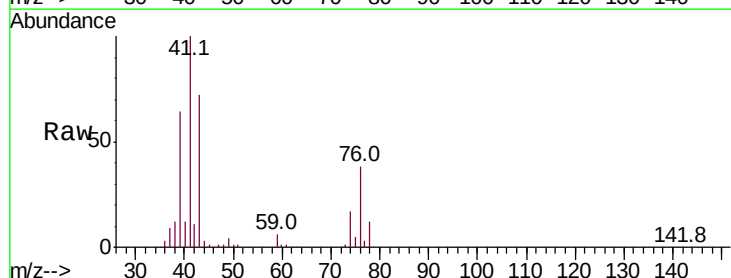
Acq: 15 Jul 2019 19:09

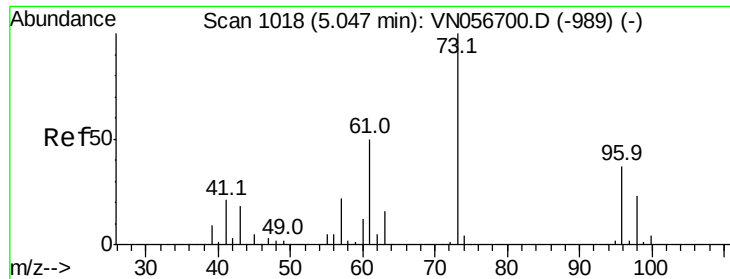
Tgt Ion: 43 Resp: 171123

Ion Ratio Lower Upper

43 100

74 24.0 18.9 28.3





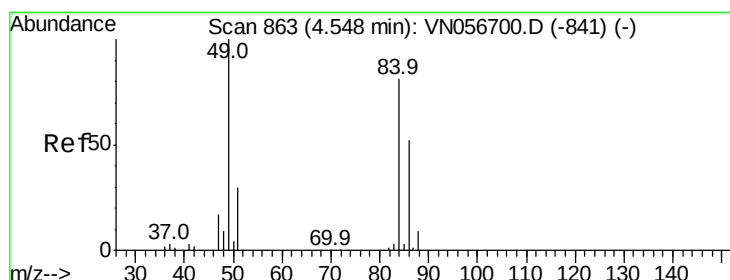
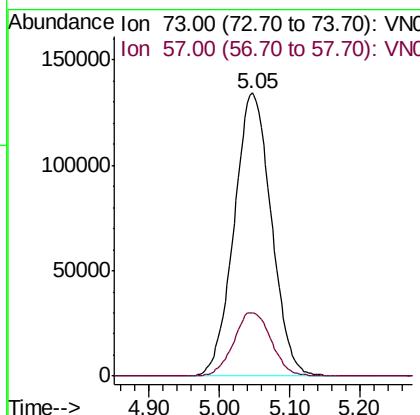
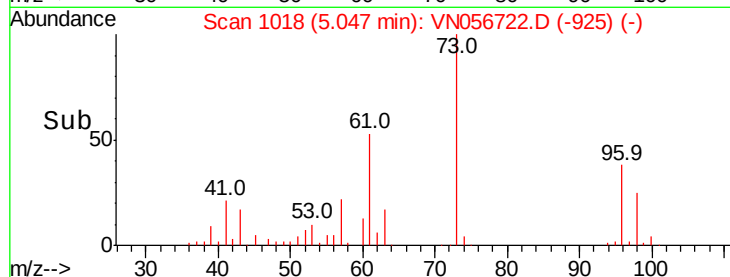
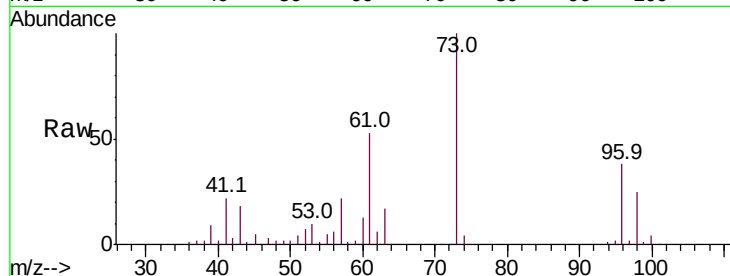
#19
Methyl tert-butyl Ether
Concen: 49.431 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 73 Resp: 494491
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

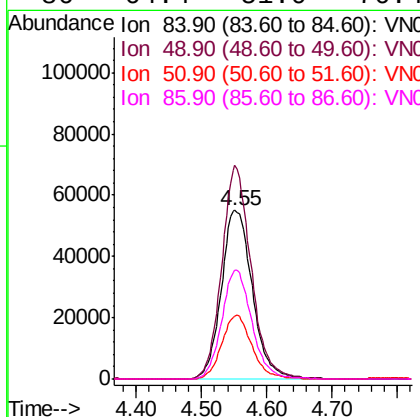
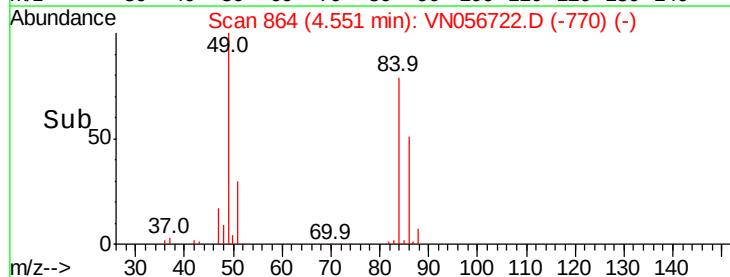
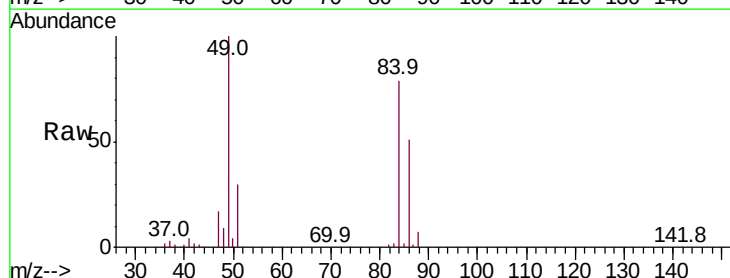
Manual Integrations
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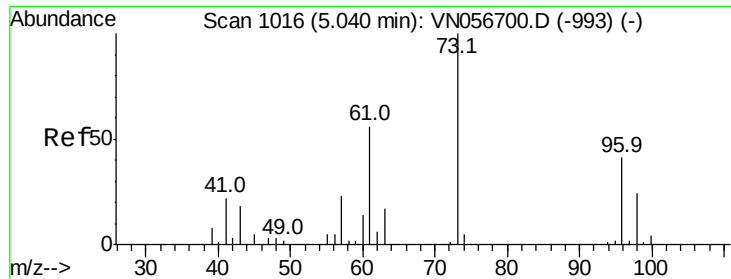
MMDadoda
7/17/2019 1:31:38 AM



#20
Methylene Chloride
Concen: 48.856 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 84 Resp: 181763
Ion Ratio Lower Upper
84 100
49 126.6 98.2 147.4
51 37.4 29.6 44.4
86 64.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 50.308 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056722.D

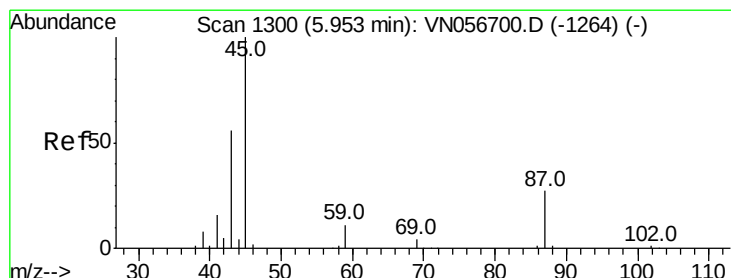
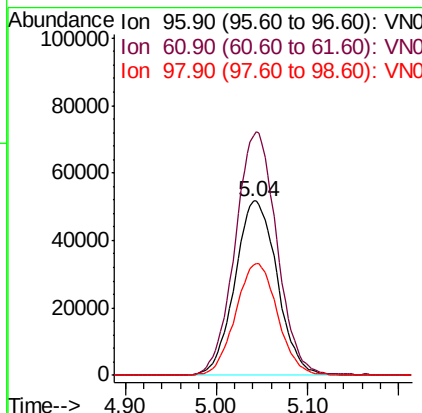
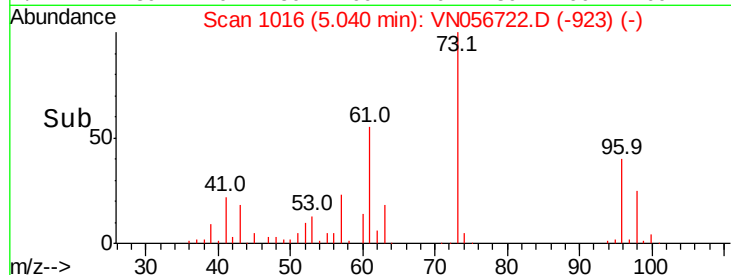
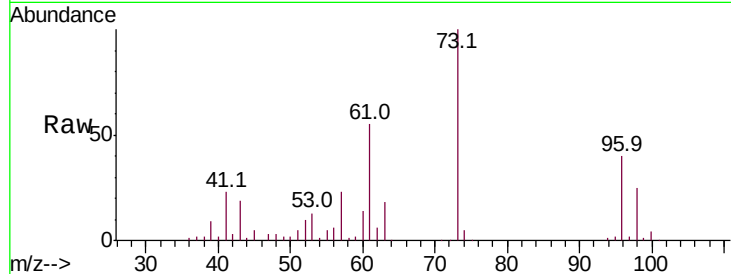
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:	96	Resp:	166959
Ion	Ratio	Lower	Upper
96	100		
61	137.8	109.4	164.2
98	63.2	48.0	72.0

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#22

Diisopropyl ether

Concen: 50.284 ug/l

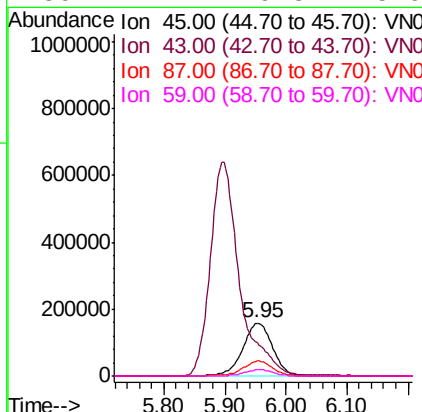
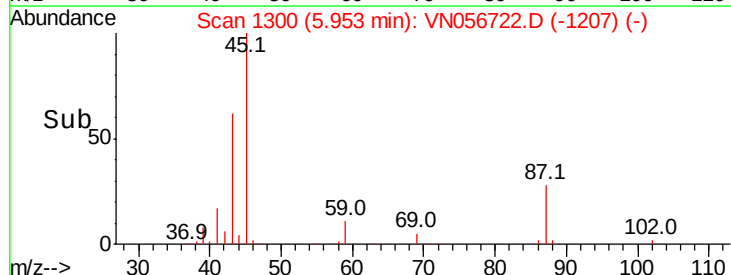
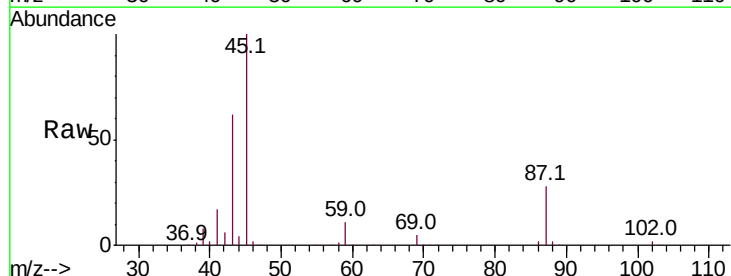
RT: 5.95 min Scan# 1300

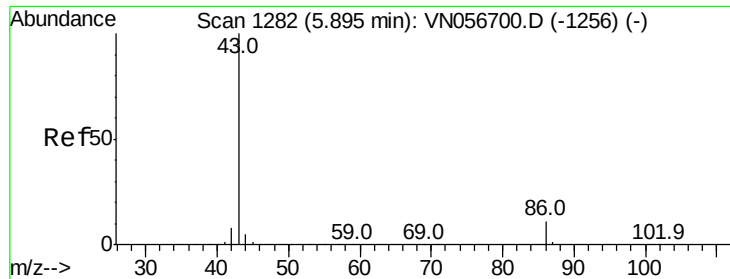
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	45	Resp:	538902
Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.6	68.4
87	27.9	22.0	33.0
59	11.4	9.3	13.9





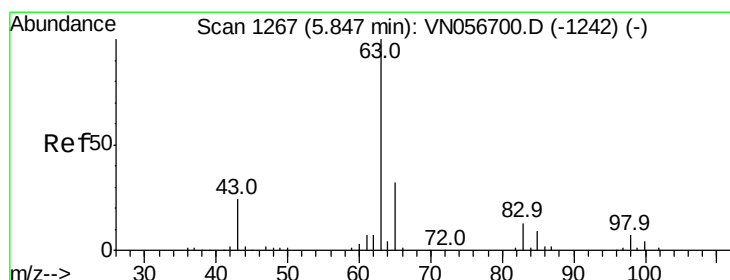
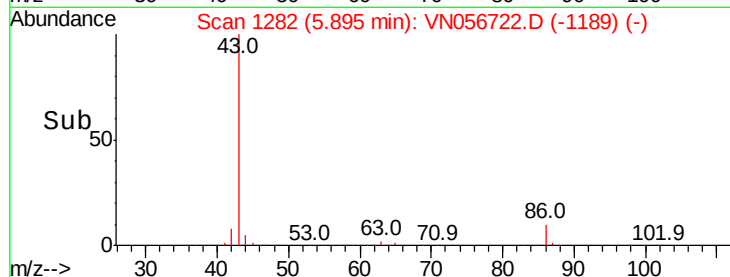
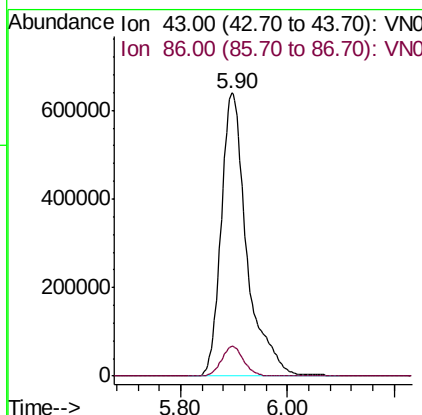
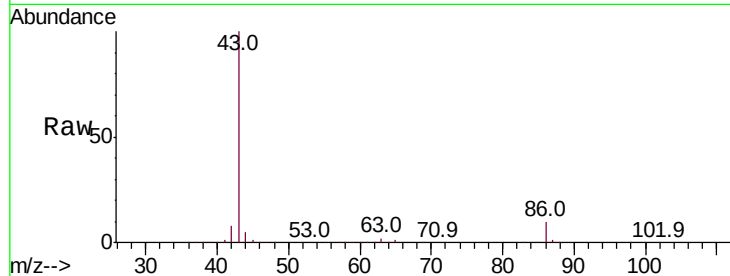
#23
 Vinyl Acetate
 Concen: 246.701 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion: 43 Resp: 2142521
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.5 12.7

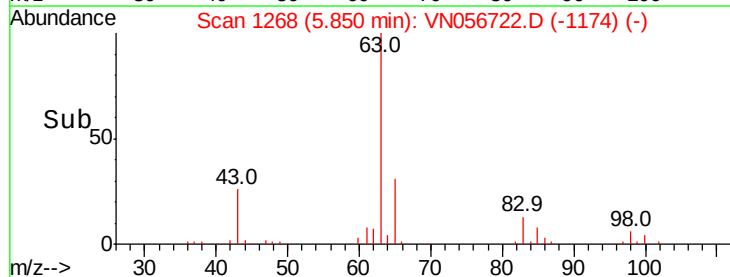
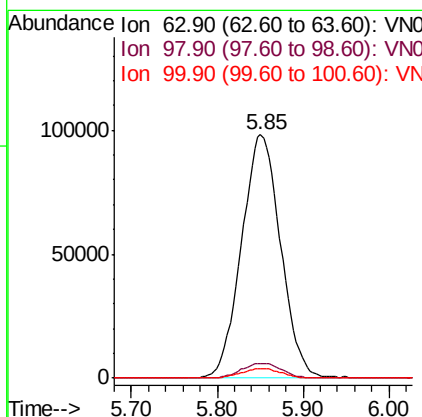
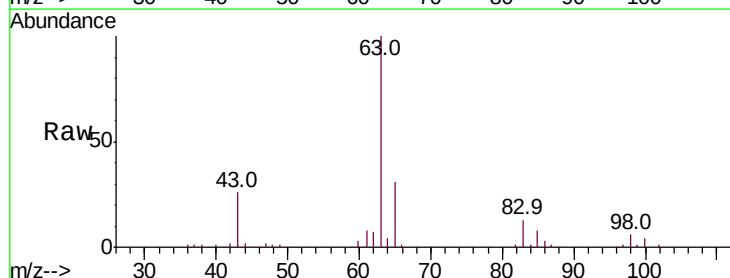
Manual Integrations
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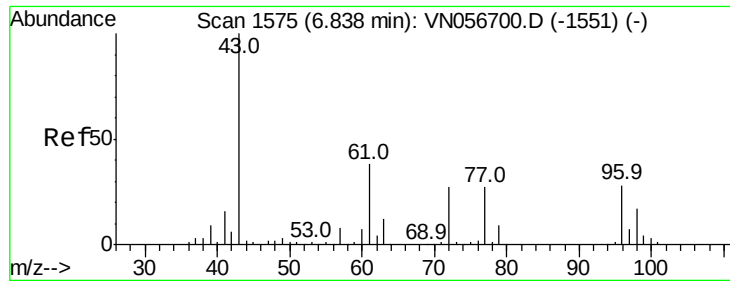
MMDadoda
 7/17/2019 1:31:38 AM



#24
 1,1-Dichloroethane
 Concen: 49.885 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 63 Resp: 309968
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.9
 100 4.0 2.0 5.8





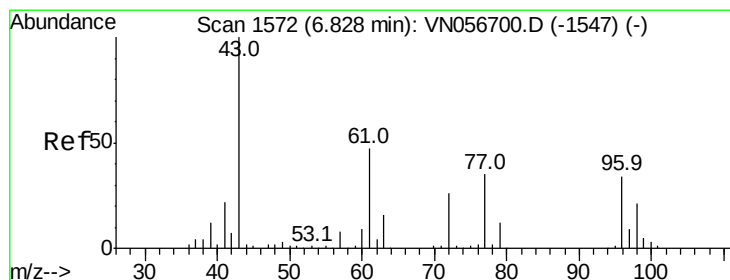
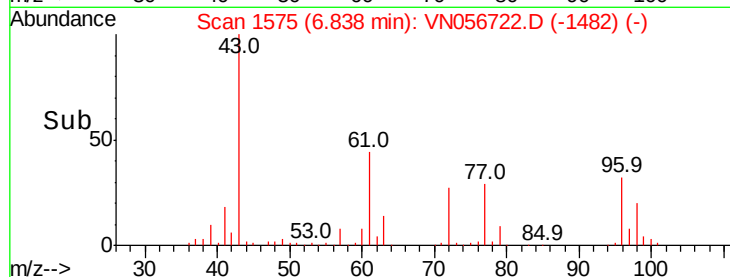
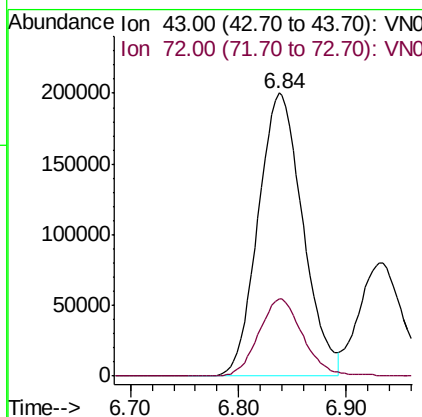
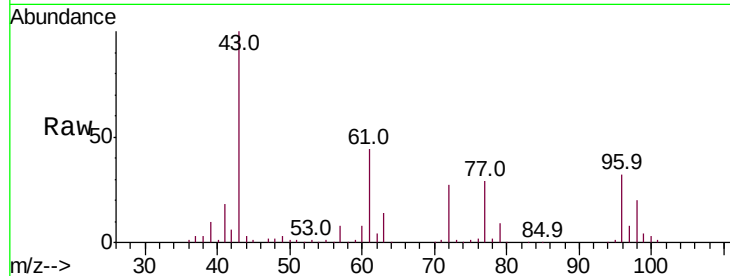
#25
2-Butanone
Concen: 229.802 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 43 Resp: 571969
Ion Ratio Lower Upper
43 100
72 27.2 21.2 31.8

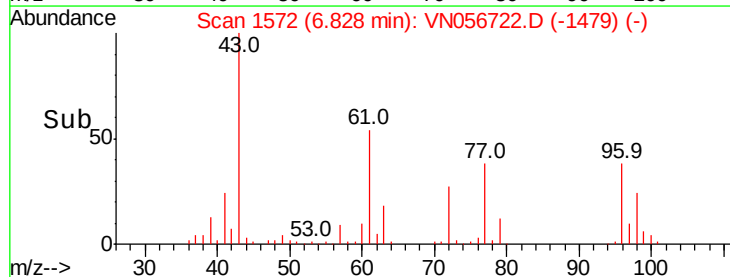
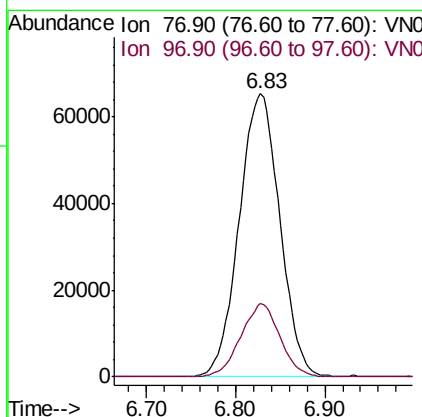
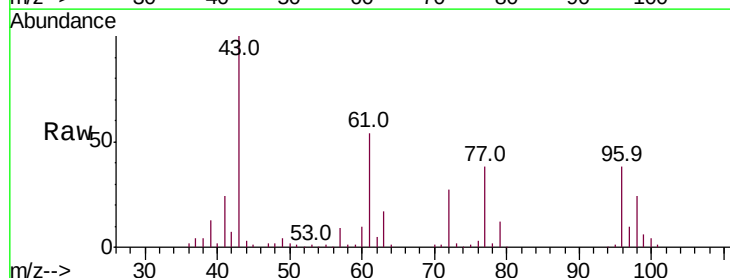
Manual Integrations
APPROVED

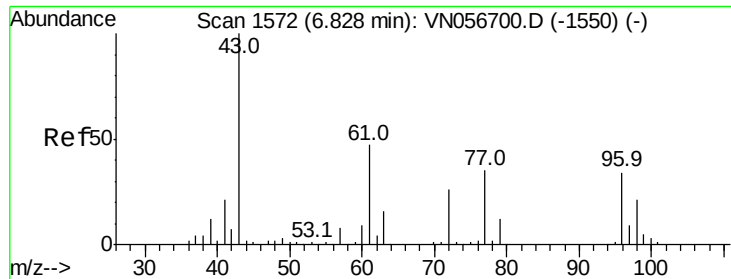
MMDadoda
7/17/2019 1:31:38 AM



#26
2,2-Dichloropropane
Concen: 46.233 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 77 Resp: 207135
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.182 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056722.D

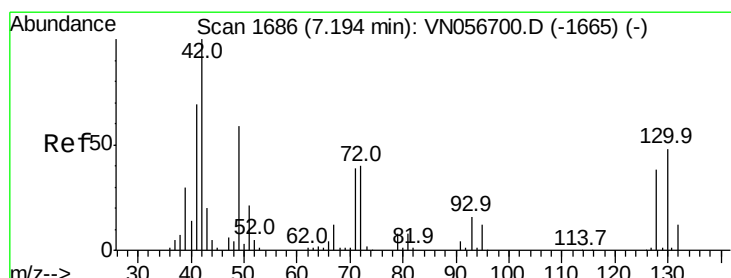
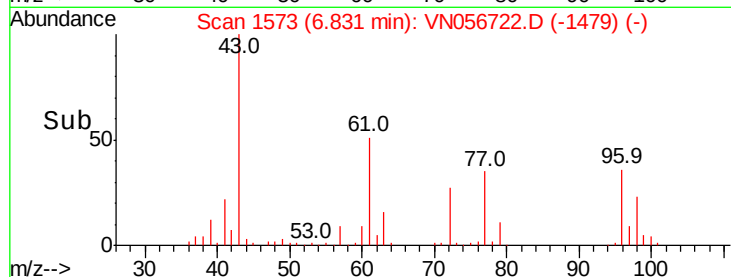
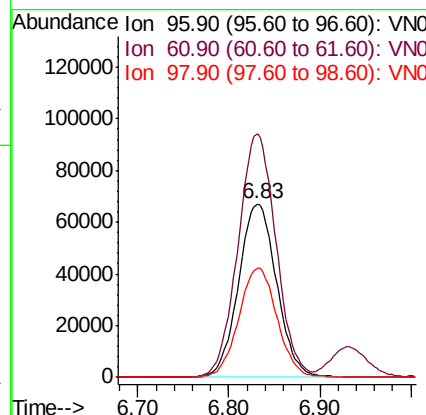
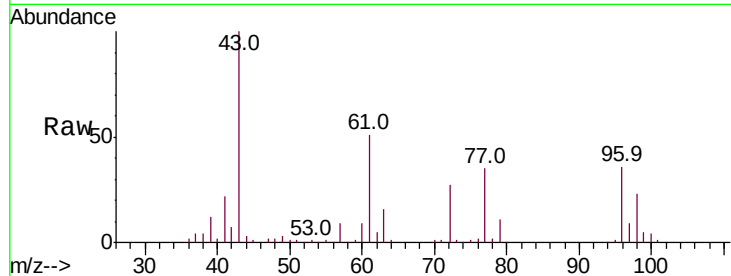
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	281.4
98	63.5	0.0	127.8

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#28

Bromochloromethane

Concen: 50.477 ug/l

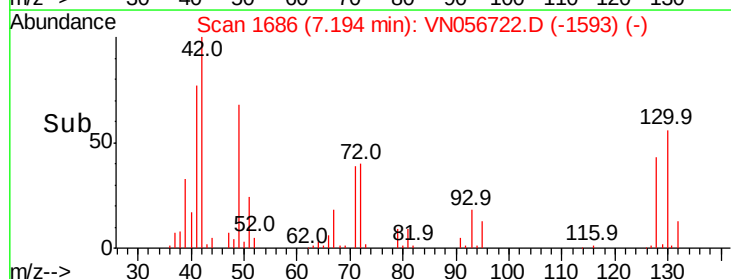
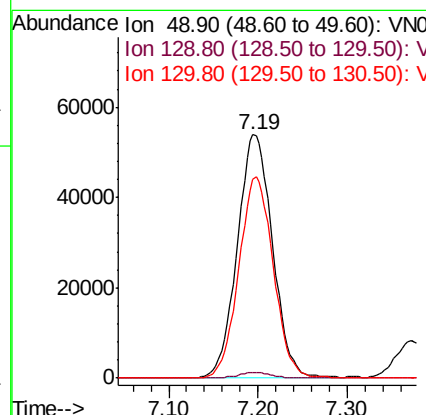
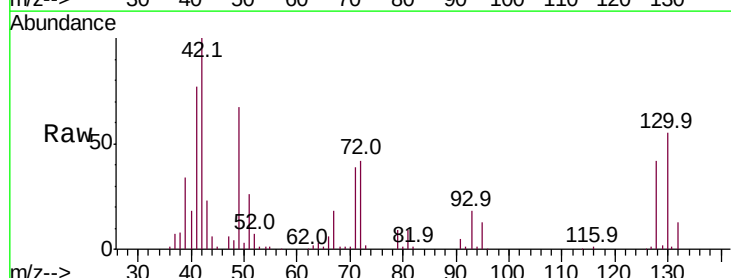
RT: 7.19 min Scan# 1686

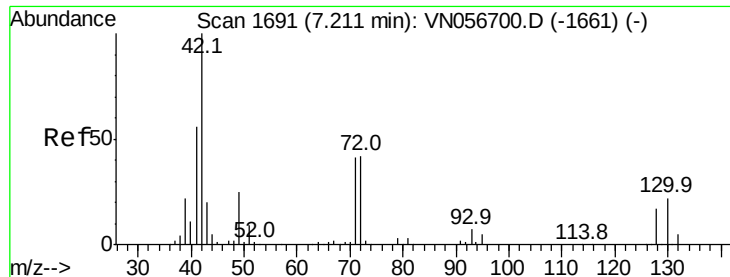
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	80.8	64.7	97.1





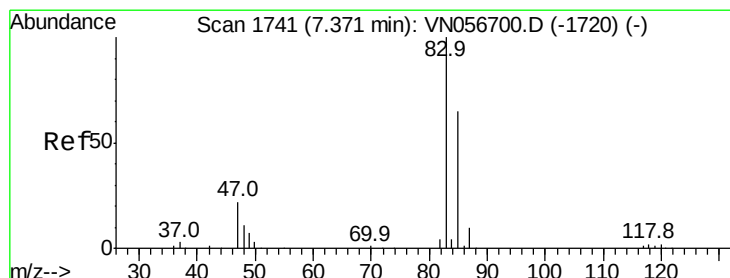
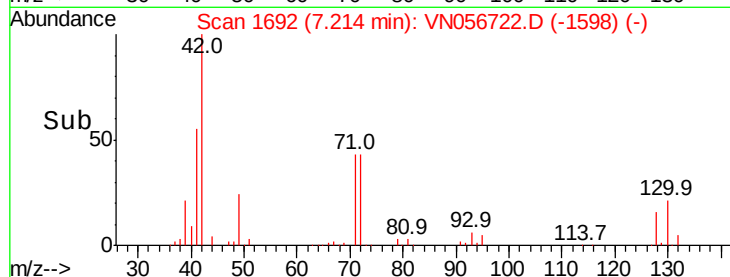
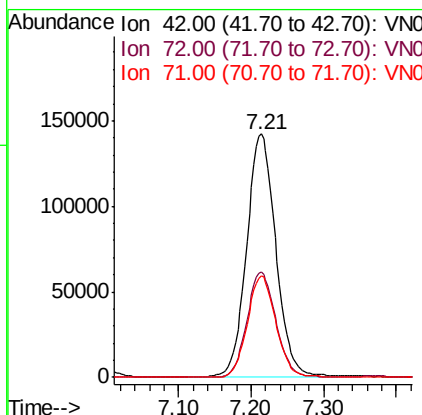
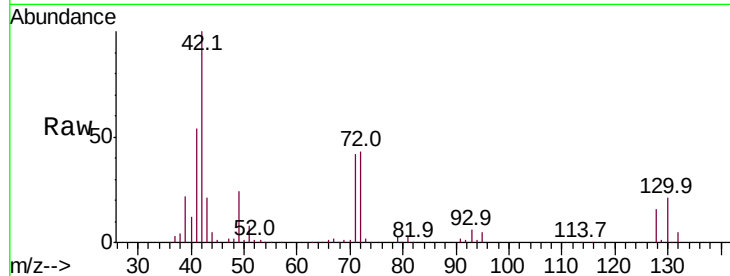
#29
Tetrahydrofuran
Concen: 246.432 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.5	50.3
71	40.9	31.8	47.8

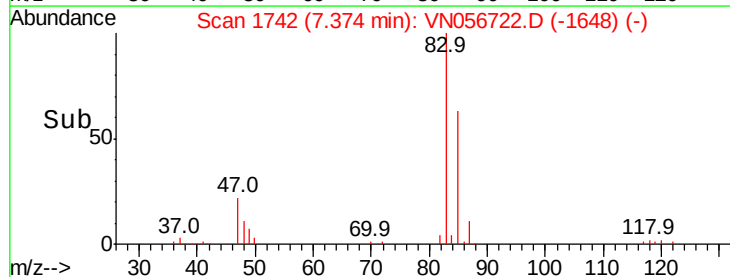
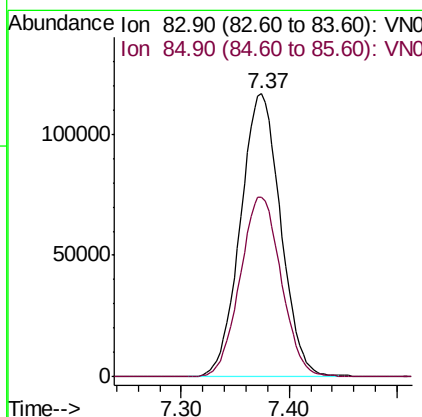
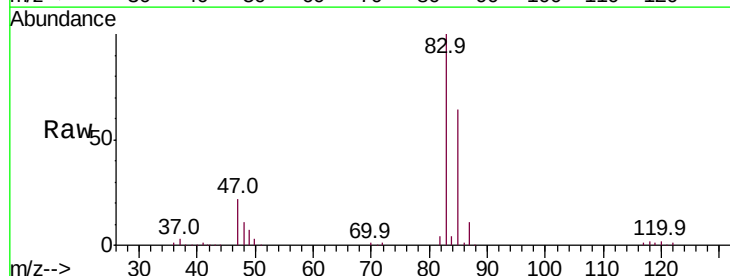
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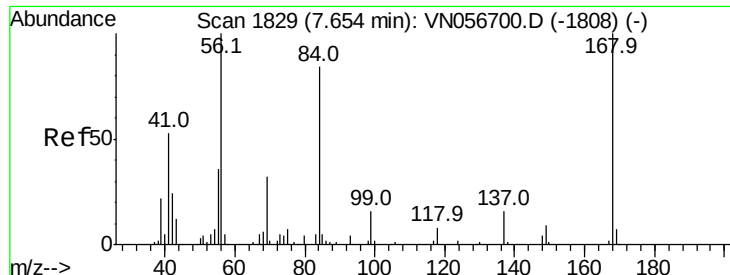
MMDadoda
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#30
Chloroform
Concen: 48.640 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.9	77.9





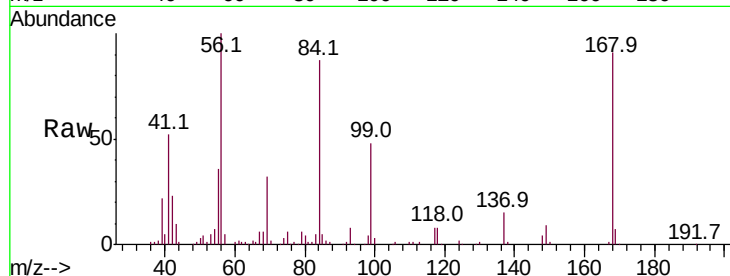
#31
Cyclohexane
Concen: 48.972 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

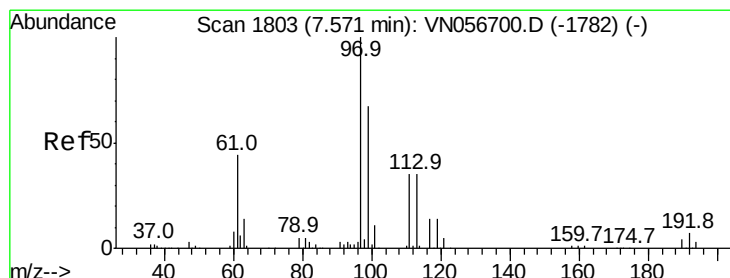
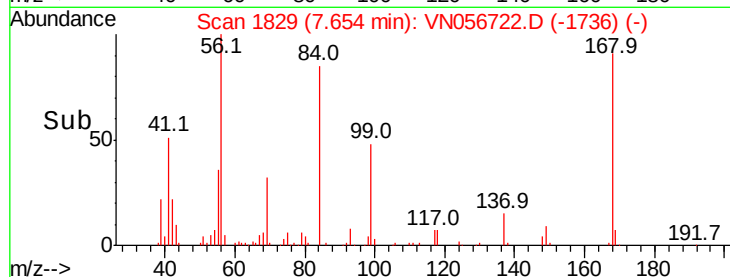
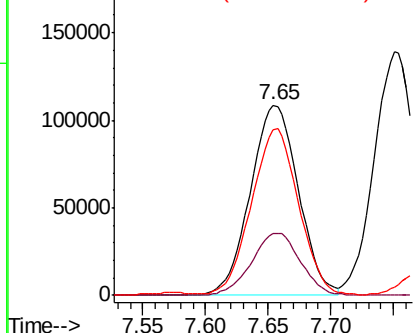
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.8
84	86.4	67.4	101.0

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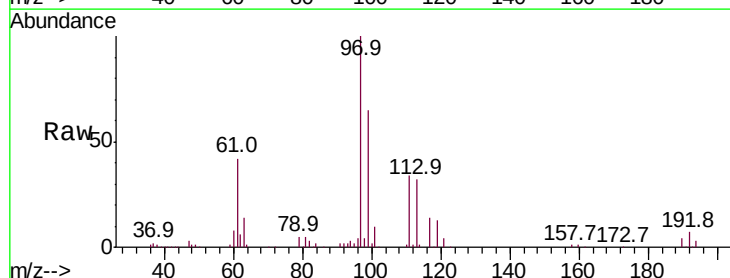


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

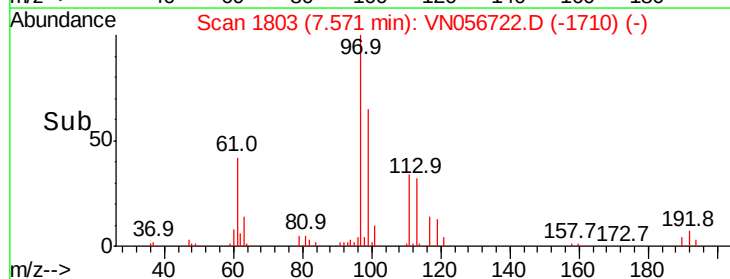
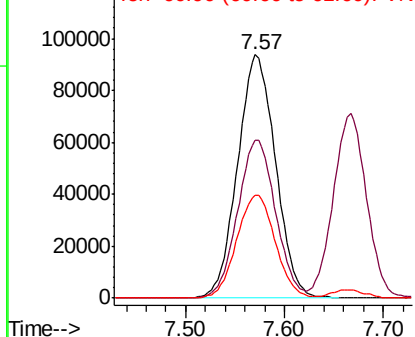


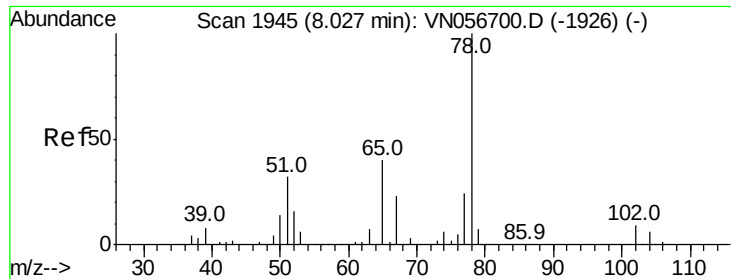
#32
1,1,1-Trichloroethane
Concen: 50.717 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.0	34.3	51.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





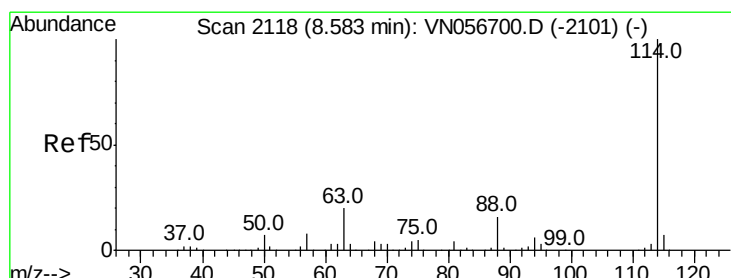
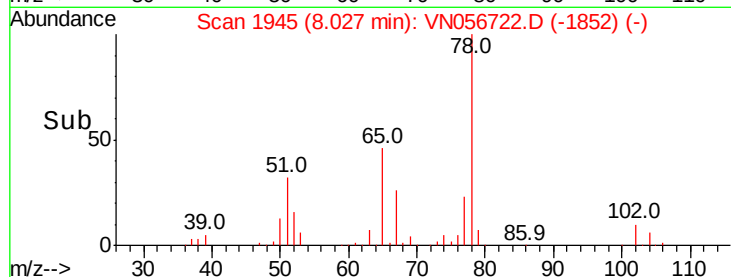
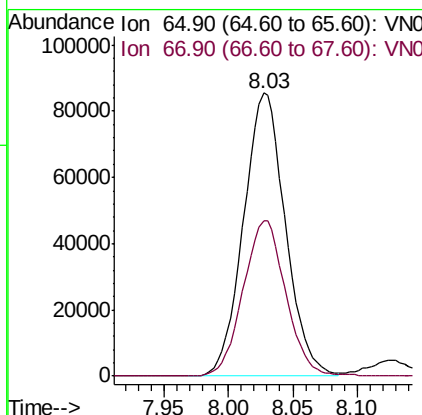
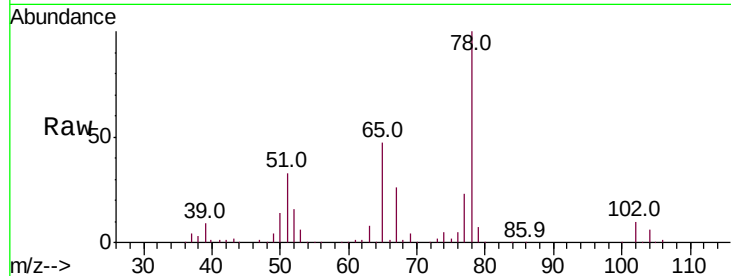
#33
 1,2-Dichloroethane-d4
 Concen: 52.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193654		
67	55.8	0.0	109.0	

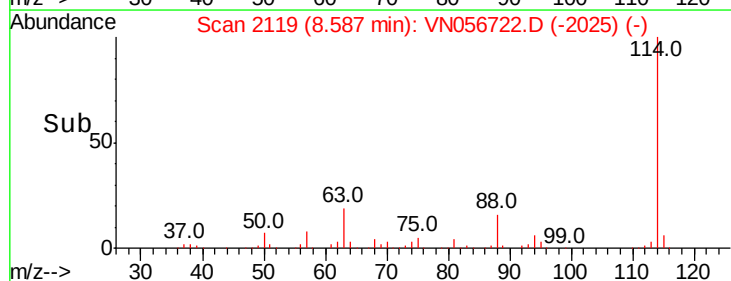
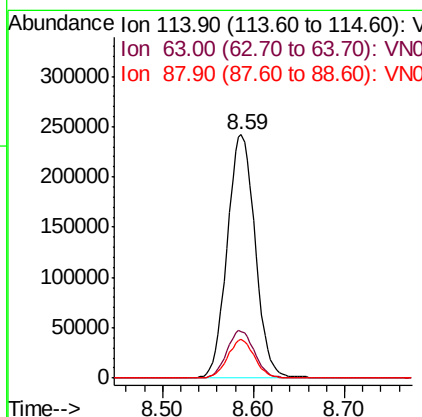
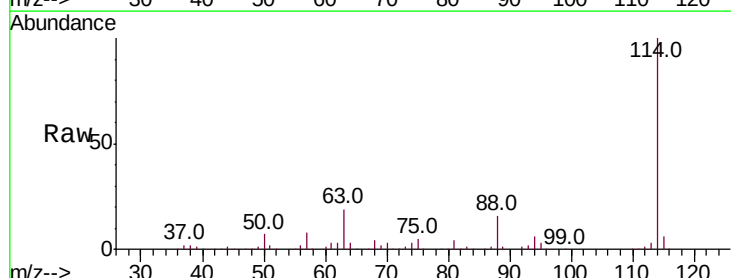
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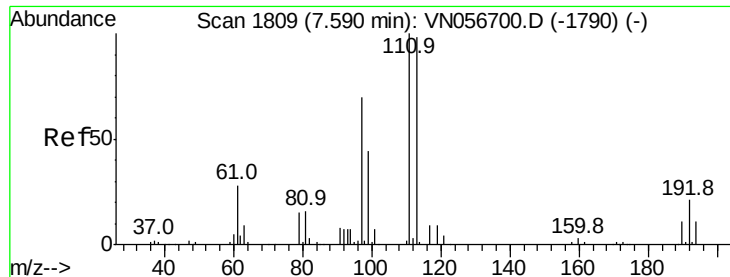
MMDadoda
 7/17/2019 1:31:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516961		
63	19.3	0.0	39.4	
88	15.7	0.0	31.2	





#35

Dibromofluoromethane

Concen: 53.296 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056722.D

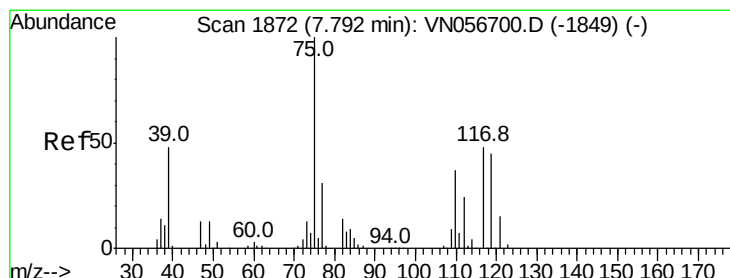
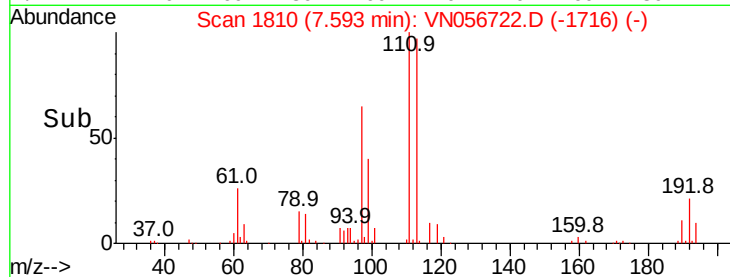
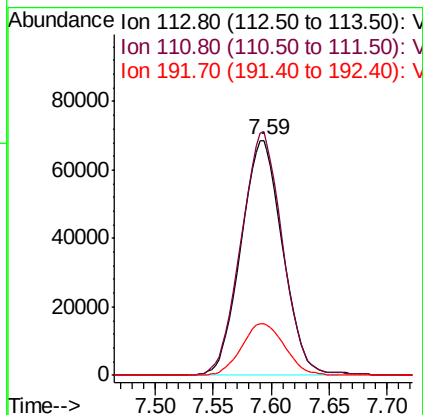
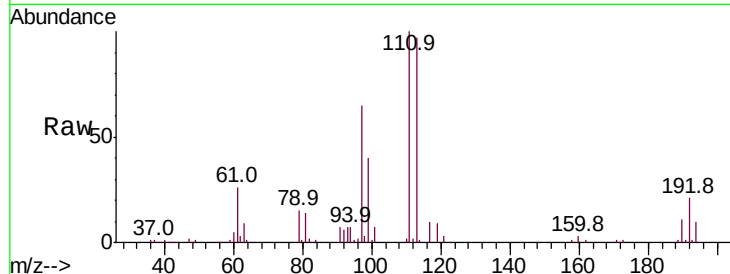
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:	113	Resp:	171461
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.8	122.6
192	22.9	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 48.539 ug/l

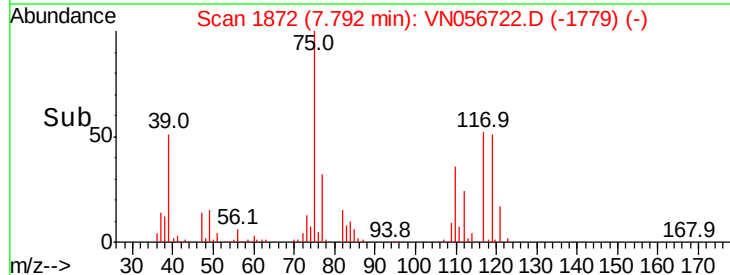
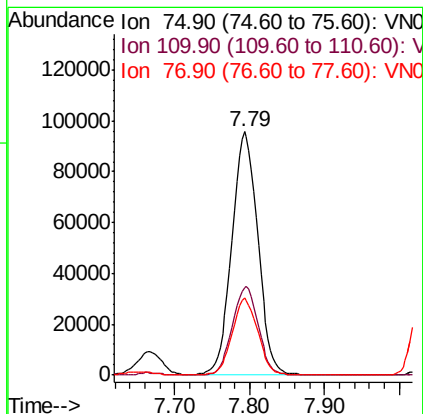
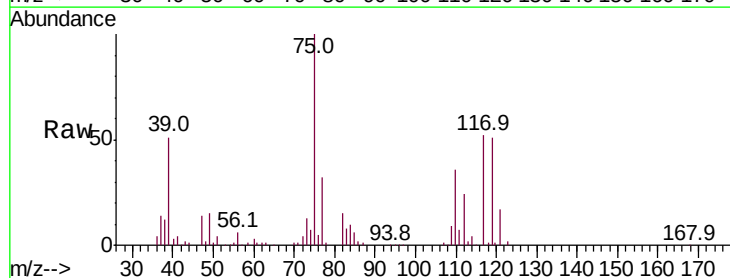
RT: 7.79 min Scan# 1872

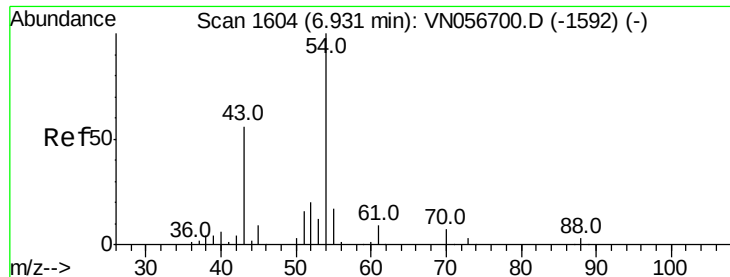
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	75	Resp:	232198
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.4	55.4
77	31.0	24.6	36.8





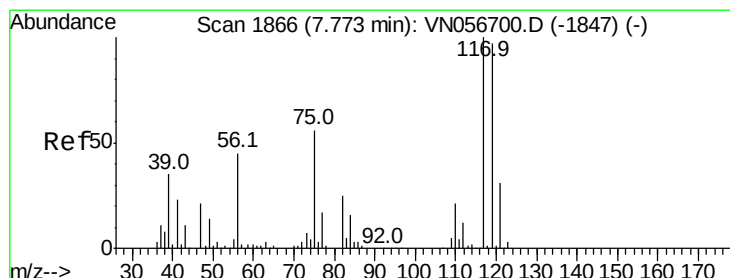
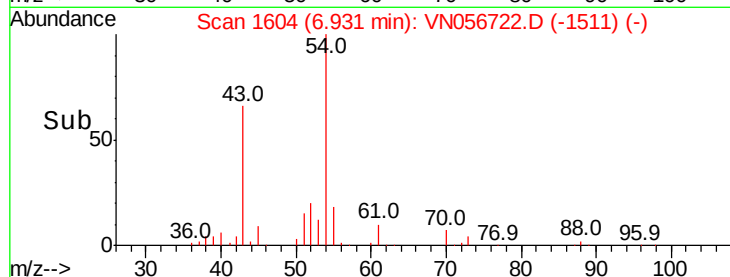
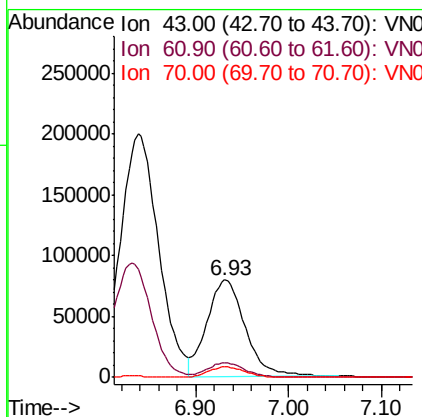
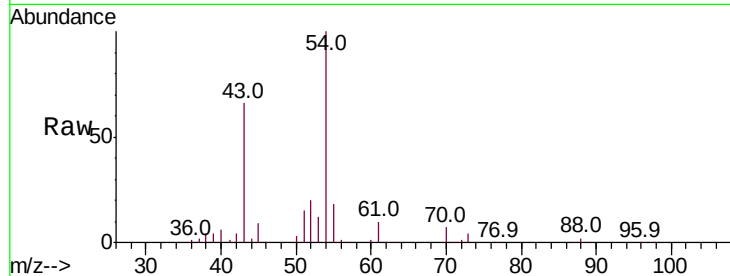
#37
Ethyl Acetate
Concen: 48.163 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion	43	Resp	227083
Ion Ratio	100	Lower	Upper
61	14.3	11.3	16.9
70	10.5	8.5	12.7

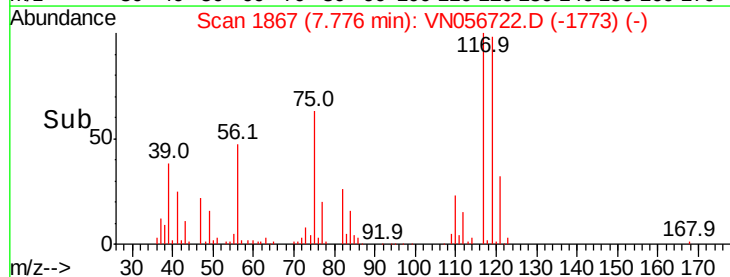
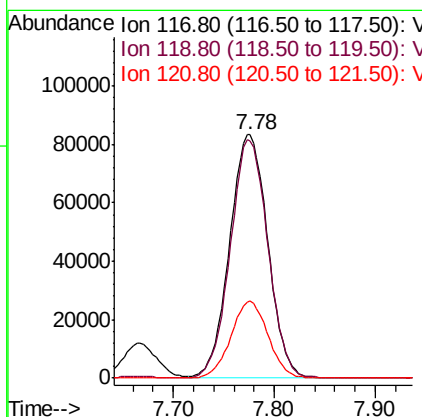
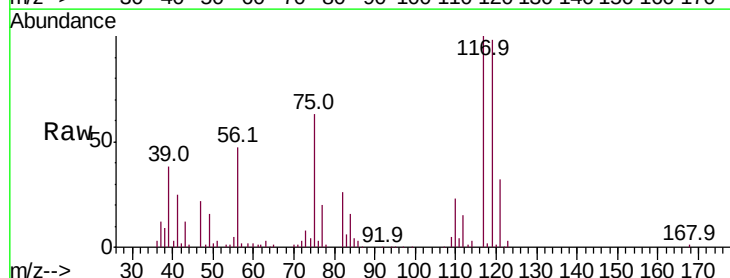
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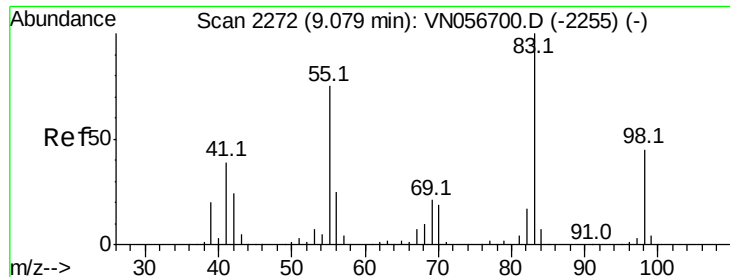
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7/17/2019 1:31:38 AM



#38
Carbon Tetrachloride
Concen: 48.755 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	117	Resp	218726
Ion Ratio	100	Lower	Upper
119	97.6	77.5	116.3
121	31.6	24.7	37.1





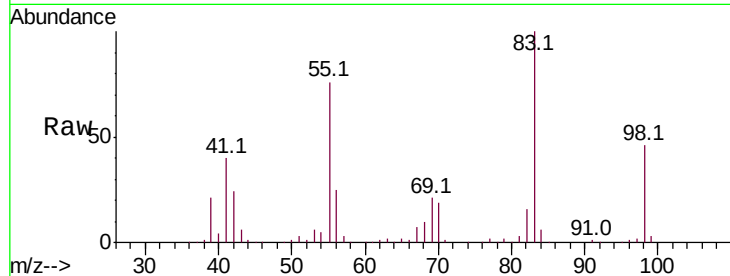
#39
Methylvlcyclohexane
Concen: 48.680 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

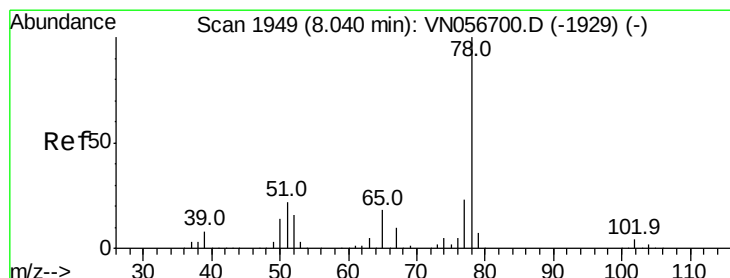
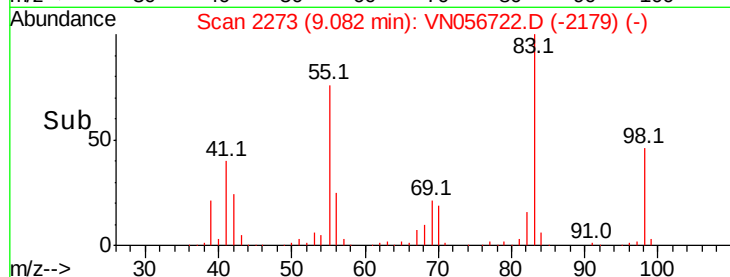
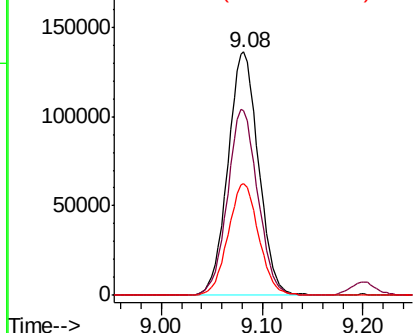
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.4	90.6
98	45.9	35.8	53.8

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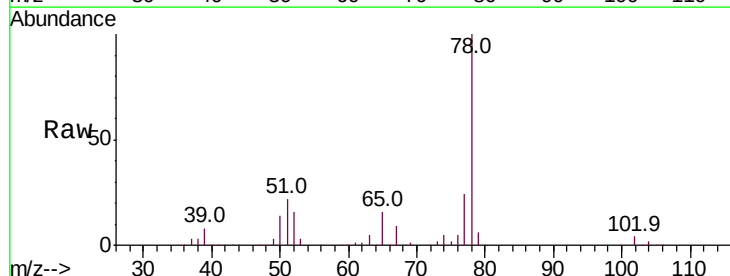


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

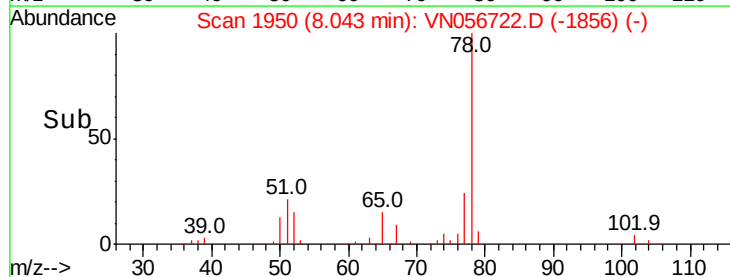
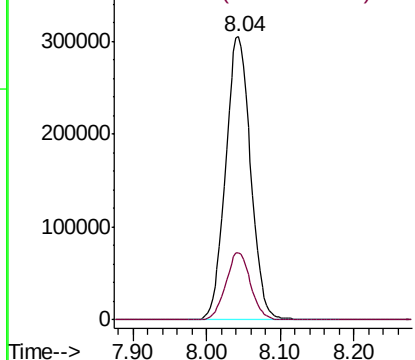


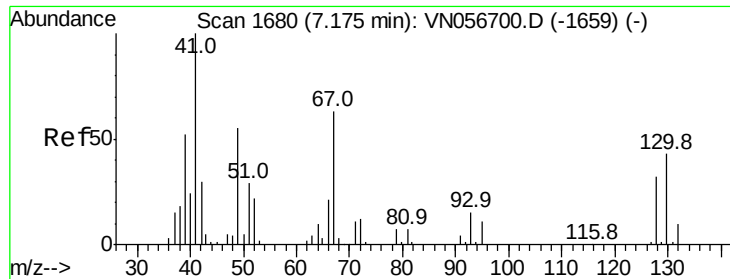
#40
Benzene
Concen: 49.028 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8



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





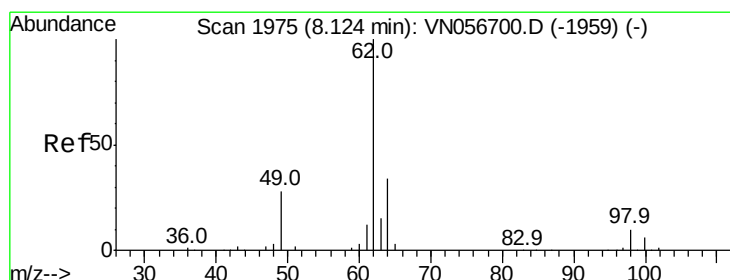
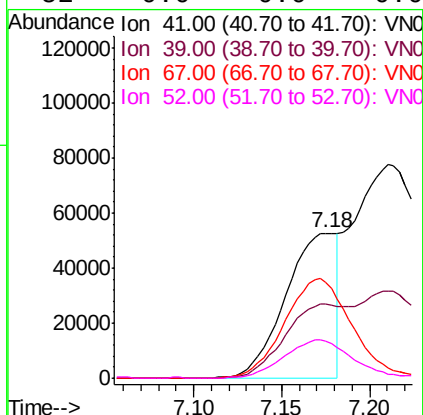
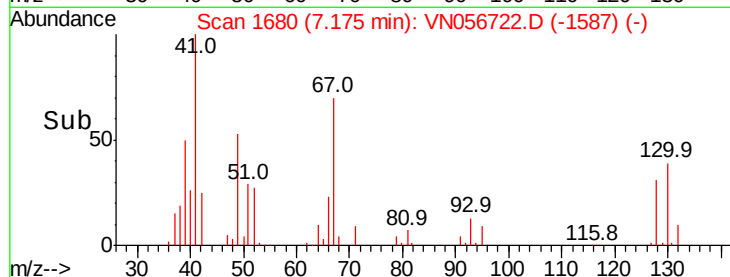
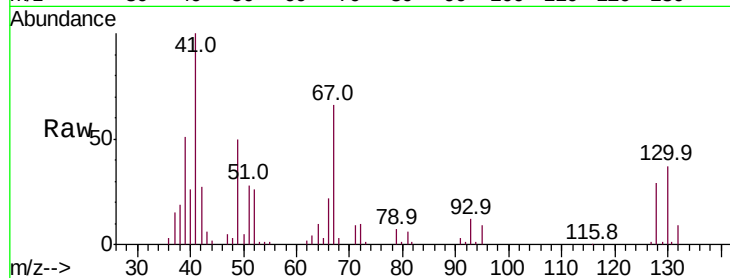
#41
Methacrylonitrile
Concen: 51.814 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

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

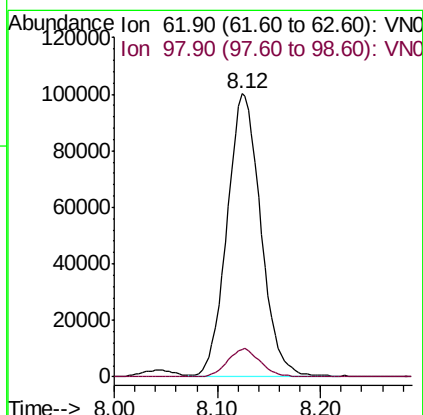
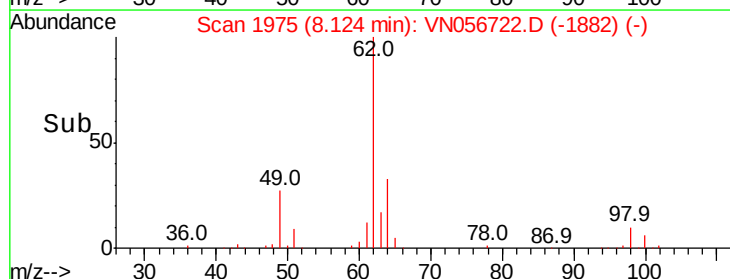
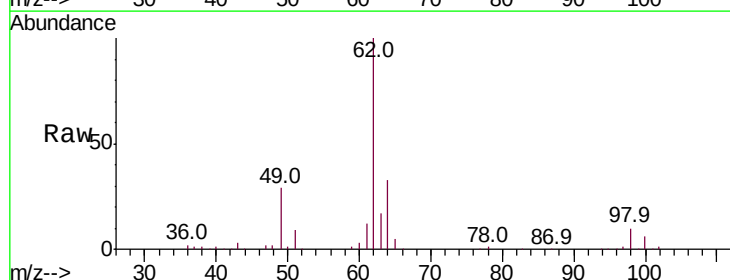
Manual Integrations
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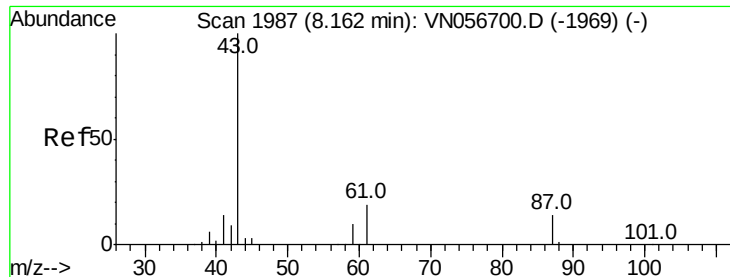
MMDadoda
7/17/2019 1:31:38 AM



#42
1,2-Dichloroethane
Concen: 48.912 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 48.400 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

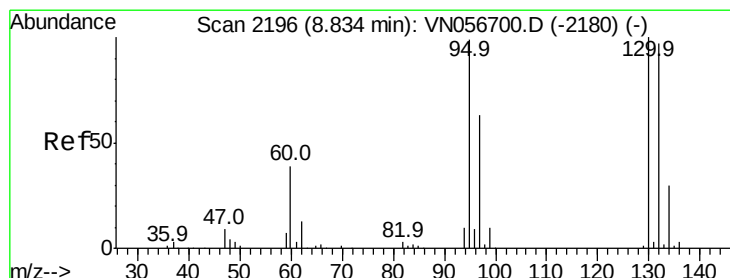
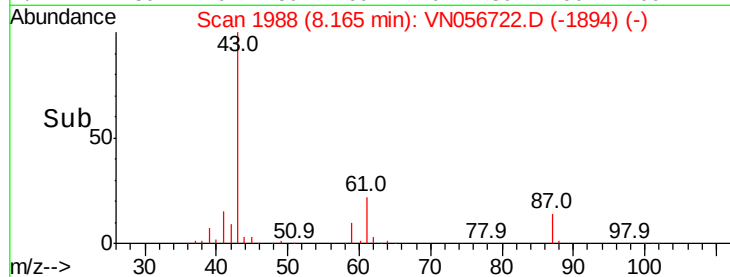
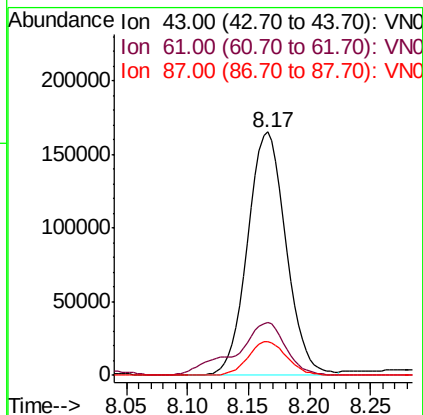
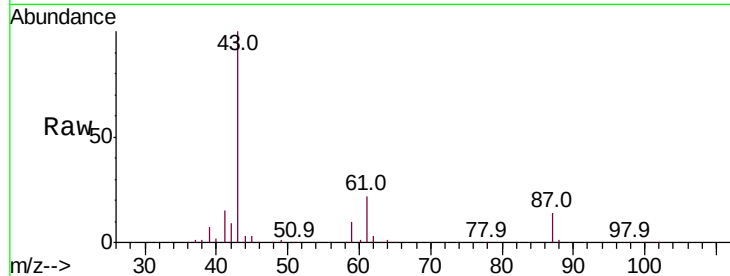
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	43	Resp:	358750
Ion Ratio	Lower	Upper	
43	100		
61	28.1	22.3	33.5
87	14.1	11.1	16.7

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#44

Trichloroethene

Concen: 48.720 ug/l

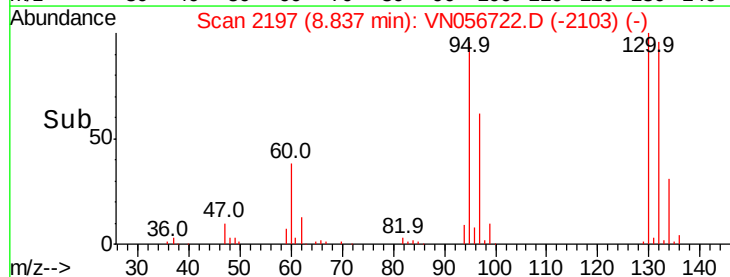
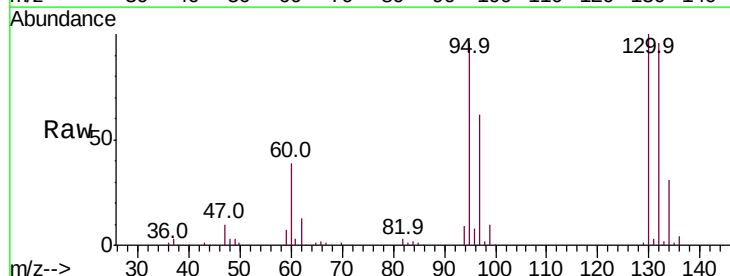
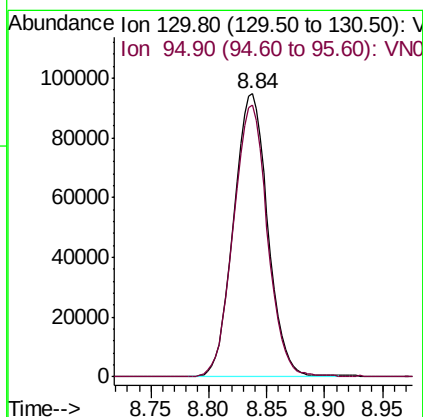
RT: 8.84 min Scan# 2197

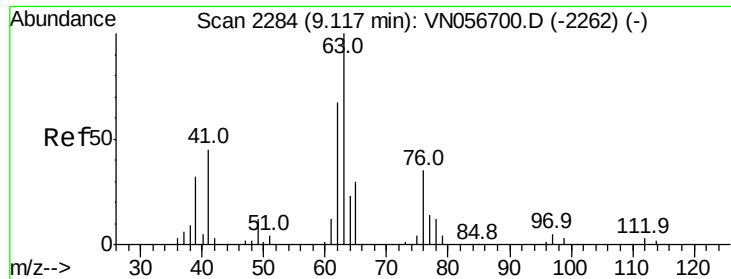
Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	130	Resp:	193924
Ion Ratio	Lower	Upper	
130	100		
95	96.1	0.0	197.2





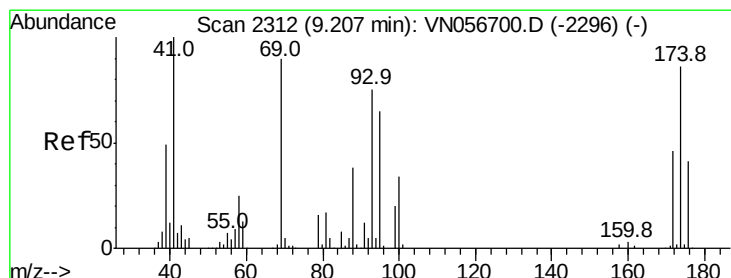
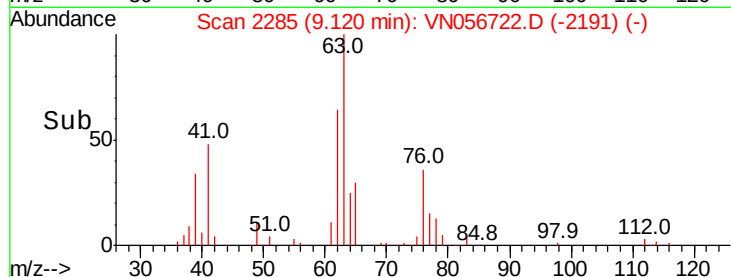
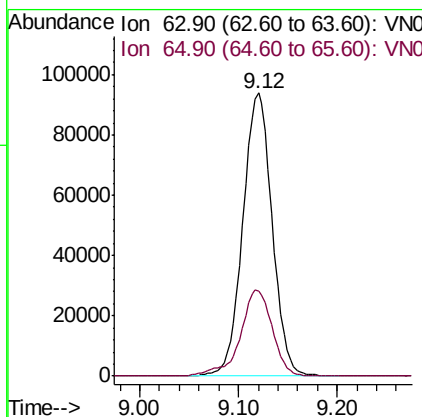
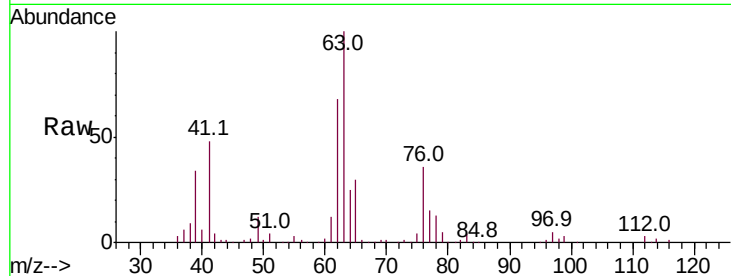
#45
 1,2-Dichloropropane
 Concen: 49.520 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion: 63 Resp: 192872
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.0 36.0

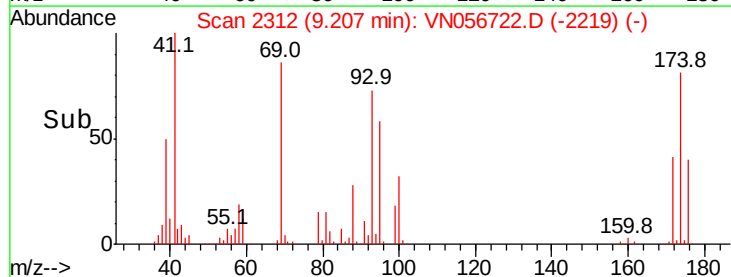
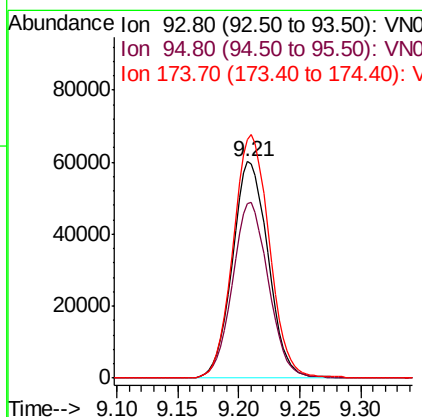
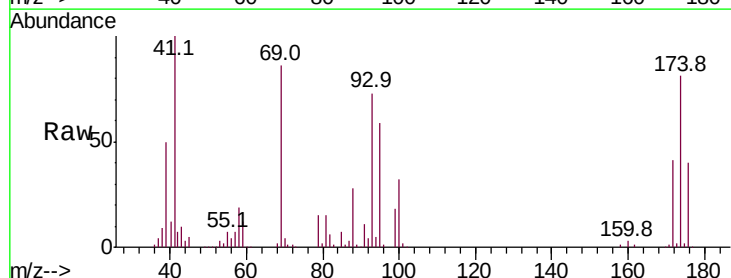
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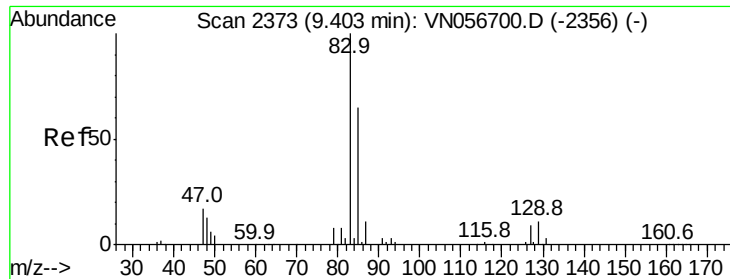
MMDadoda
 7/17/2019 1:31:38 AM



#46
 Dibromomethane
 Concen: 50.757 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 93 Resp: 122508
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.4 101.0
 174 113.8 90.3 135.5





#47

Bromodichloromethane

Concen: 50.872 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056722.D

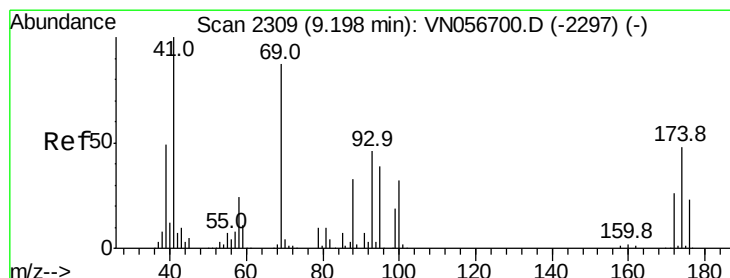
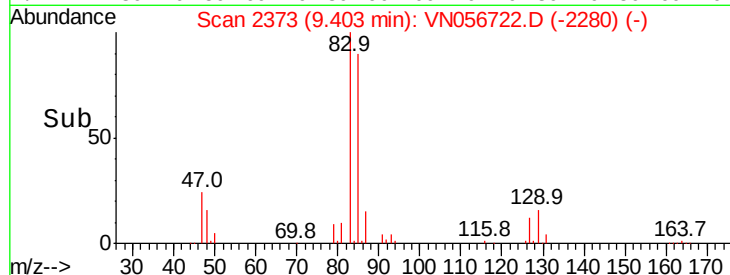
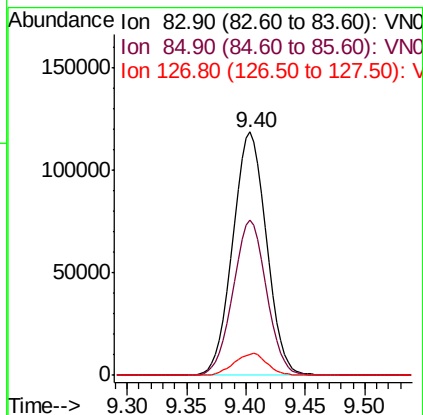
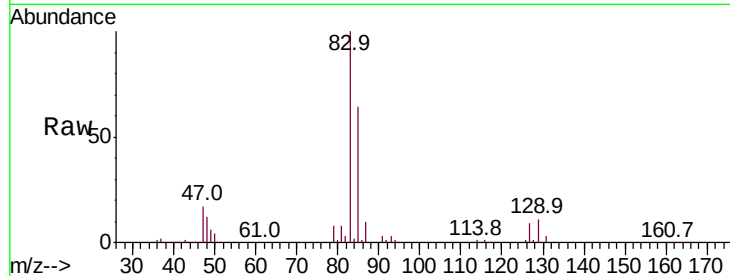
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:	83	Resp:	233325
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.3	78.5
127	8.8	7.6	11.4

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#48

Methyl methacrylate

Concen: 50.258 ug/l

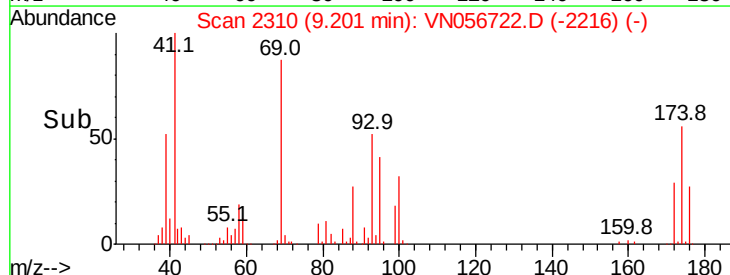
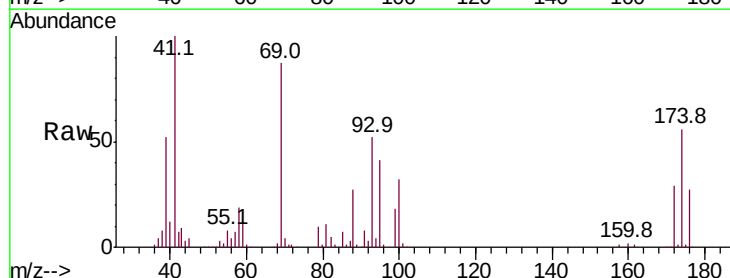
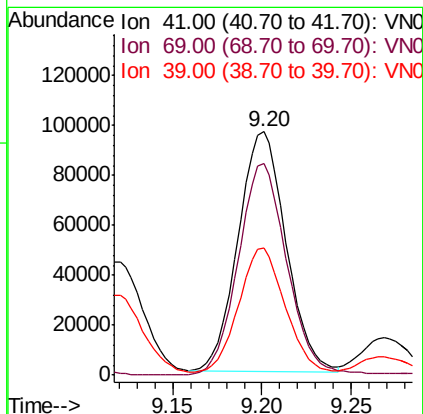
RT: 9.20 min Scan# 2310

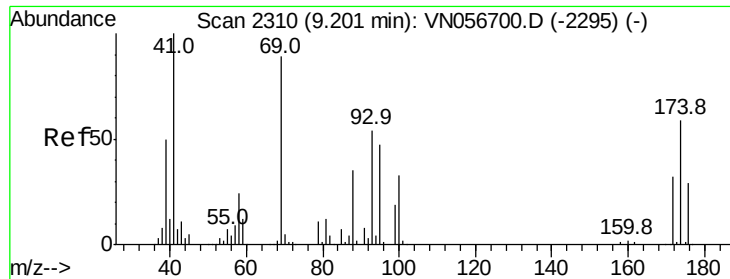
Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	41	Resp:	180155
Ion Ratio	Lower	Upper	
41	100		
69	90.3	71.4	107.0
39	52.5	41.2	61.8





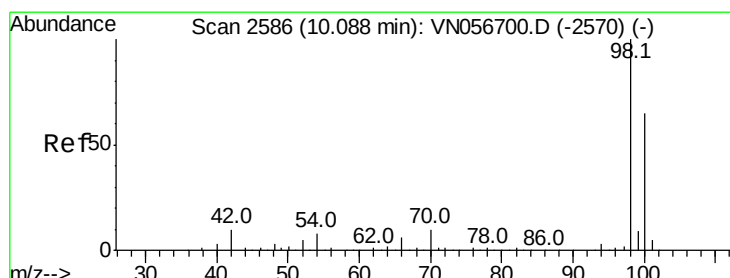
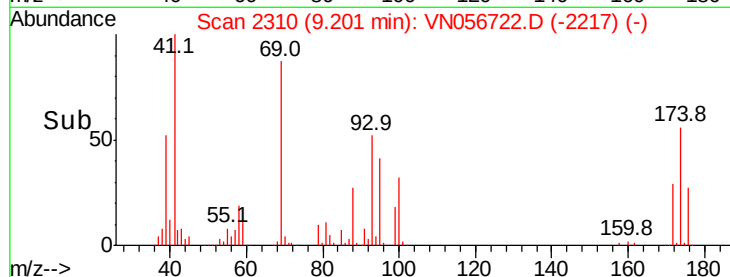
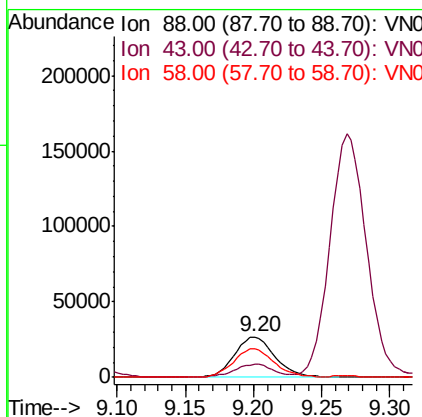
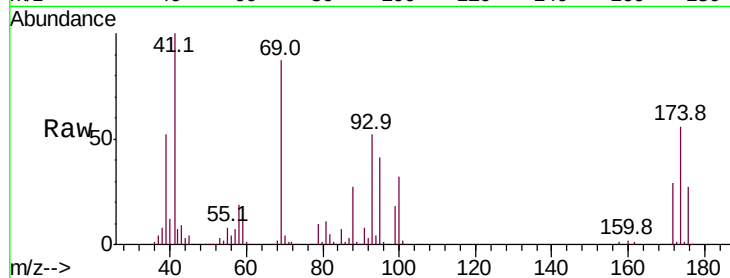
#49
 1,4-Dioxane
 Concen: 754.279 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	88	Resp	55479
Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.7	35.5
58	70.6	55.6	83.4

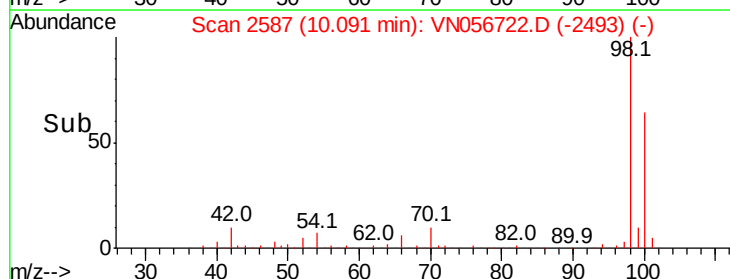
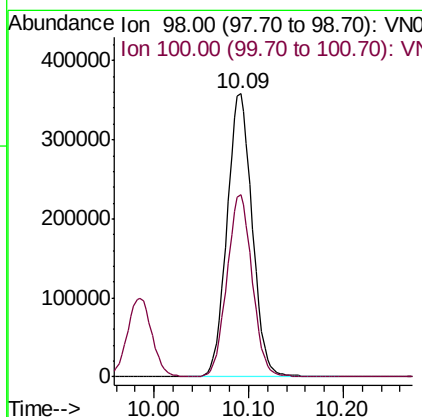
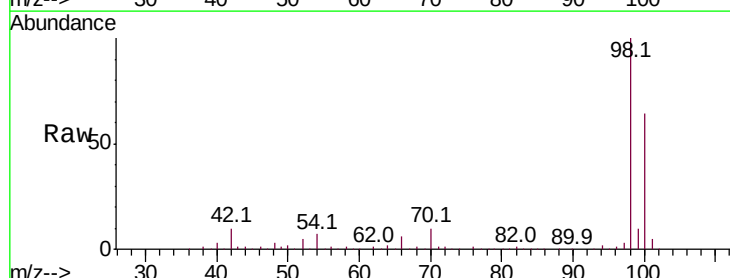
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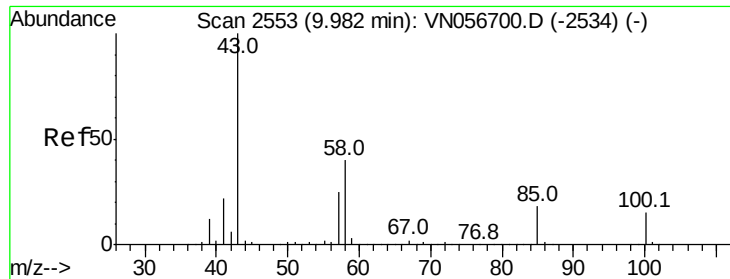
MMDadoda
 7/17/2019 1:31:38 AM



#50
 Toluene-d8
 Concen: 53.348 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	98	Resp	662876
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





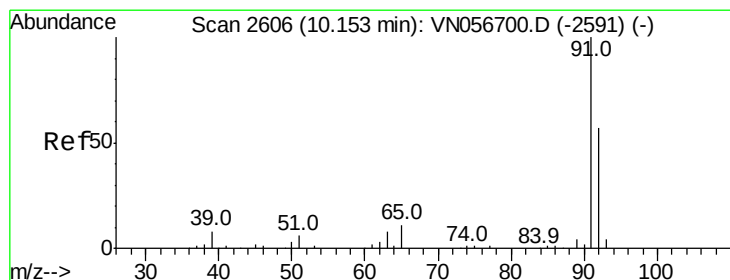
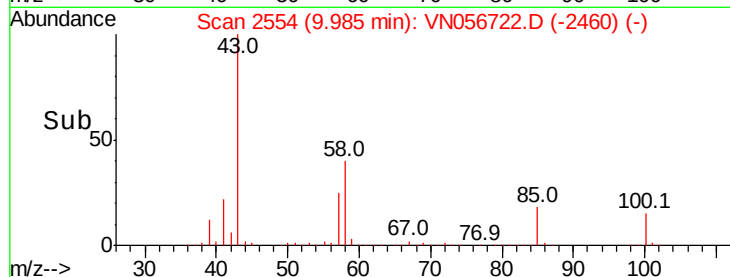
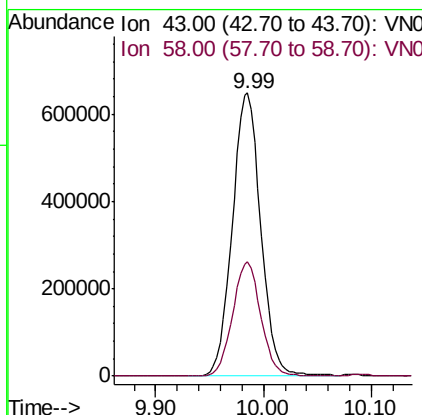
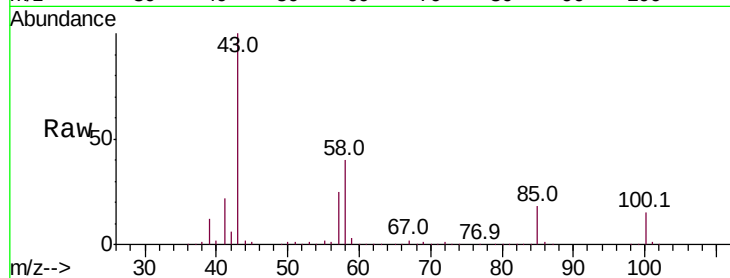
#51
4-Methyl-2-Pentanone
Concen: 248.095 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 43 Resp: 1191037
Ion Ratio Lower Upper
43 100
58 39.9 32.0 48.0

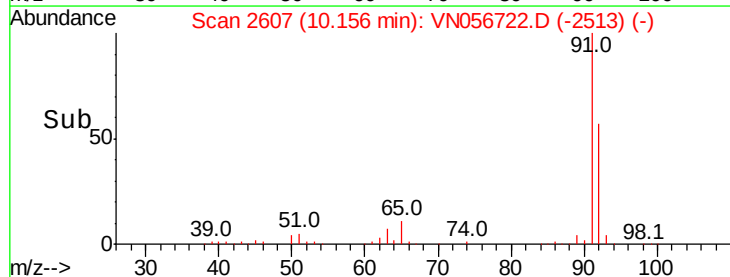
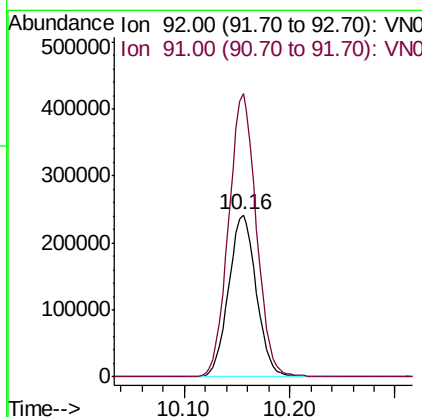
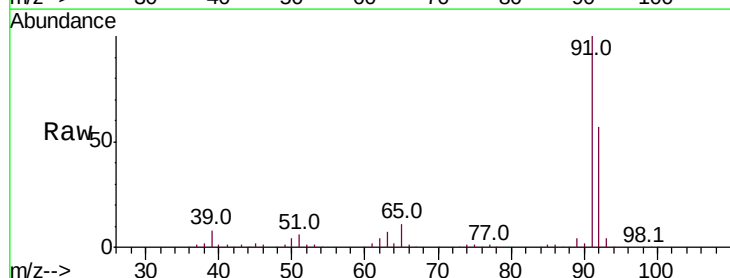
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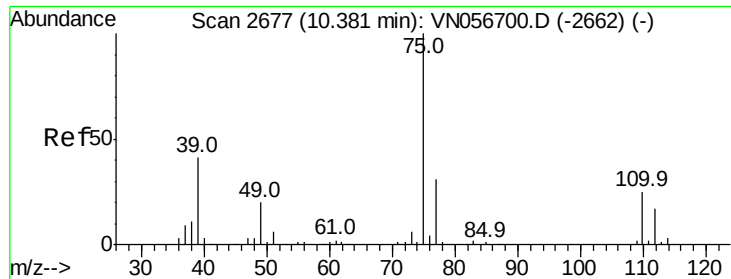
MMDadoda
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#52
Toluene
Concen: 50.514 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 92 Resp: 439720
Ion Ratio Lower Upper
92 100
91 174.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.991 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 75 Resp: 244001

Ion Ratio Lower Upper

75 100

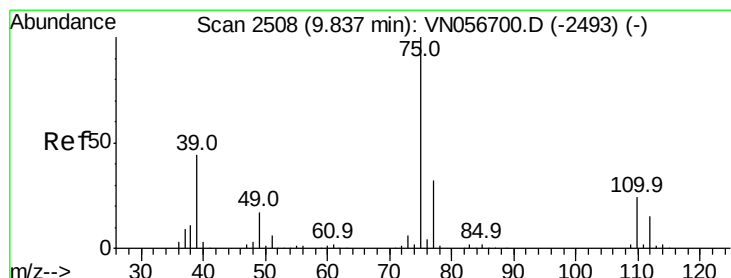
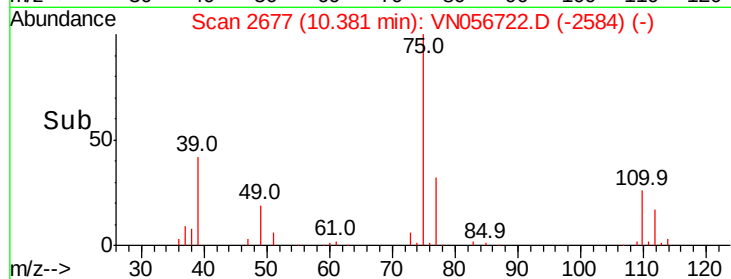
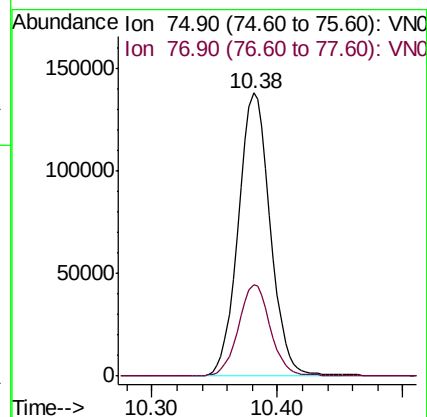
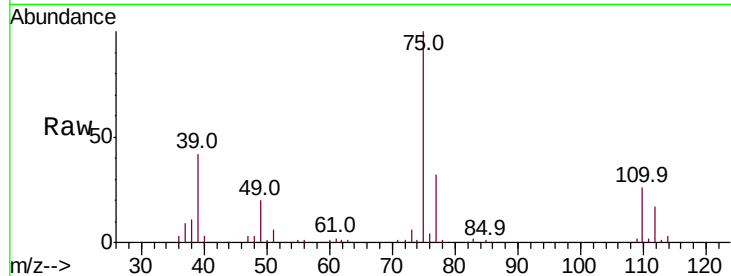
77 31.9 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.172 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

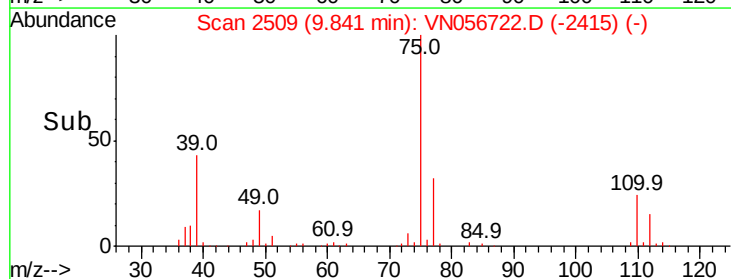
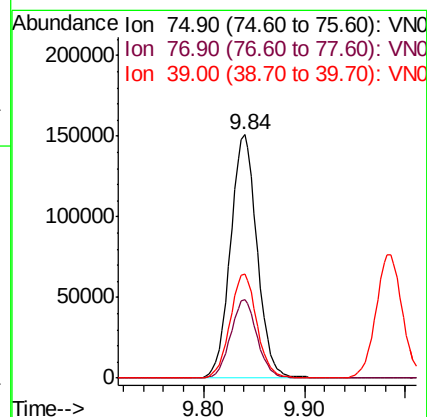
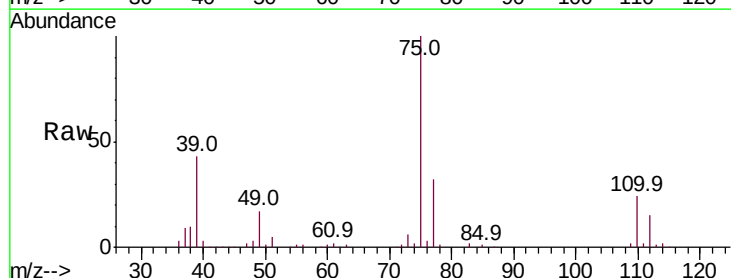
Tgt Ion: 75 Resp: 278594

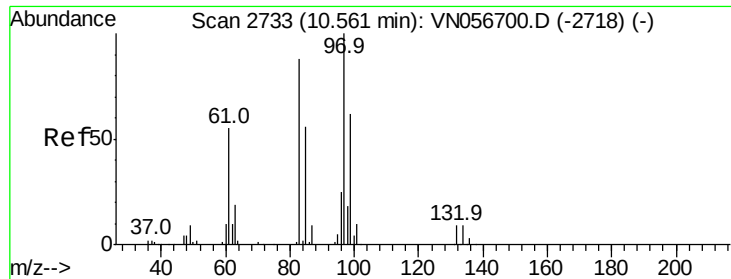
Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0

39 42.5 35.1 52.7





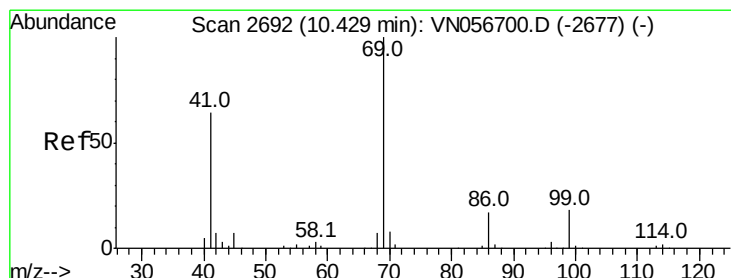
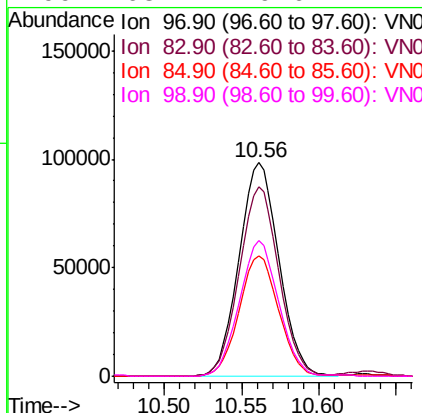
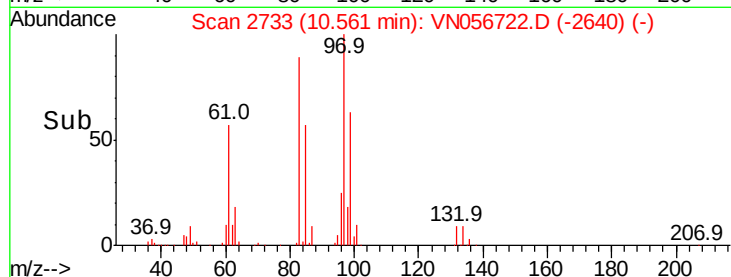
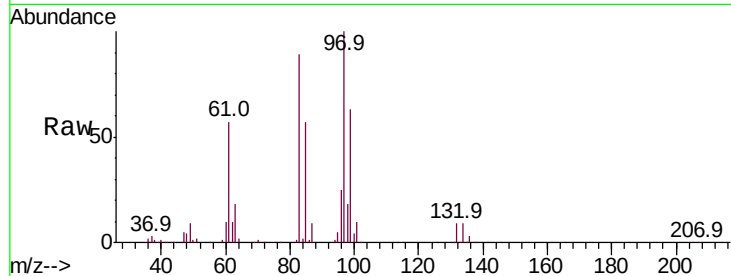
#55
 1,1,2-Trichloroethane
 Concen: 48.430 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.3	105.5
85	56.5	44.8	67.2
99	63.4	49.6	74.4

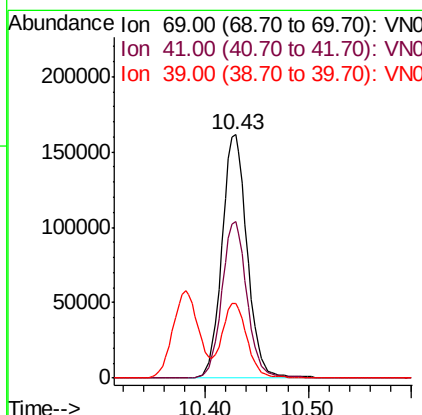
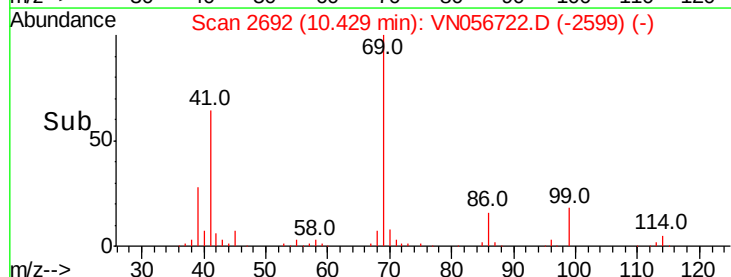
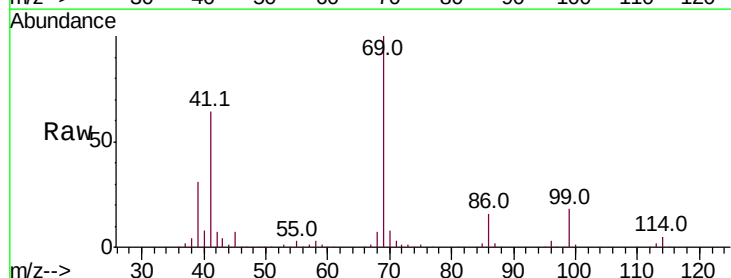
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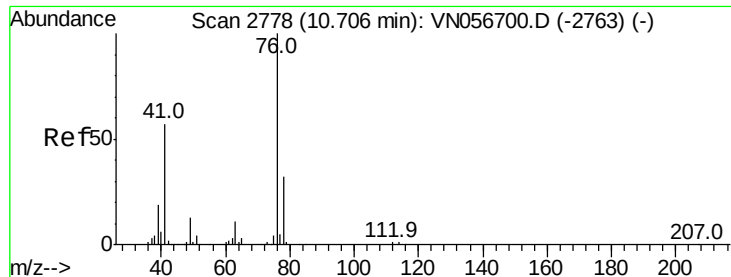
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#56
 Ethyl methacrylate
 Concen: 52.223 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	30.1	24.6	36.8





#57

1,3-Dichloropropane

Concen: 49.986 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 76 Resp: 298076

Ion Ratio Lower Upper

76 100

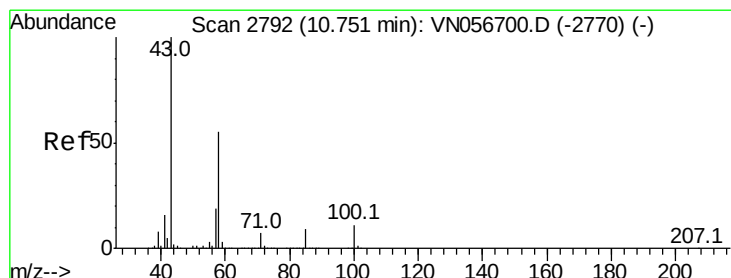
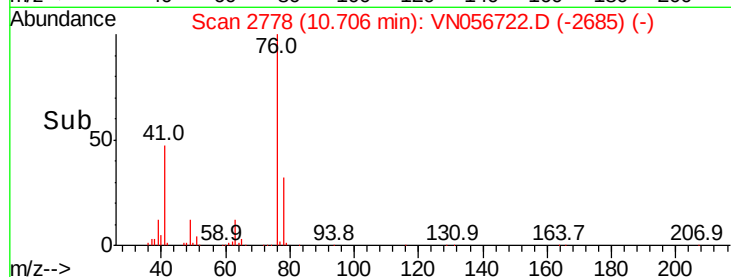
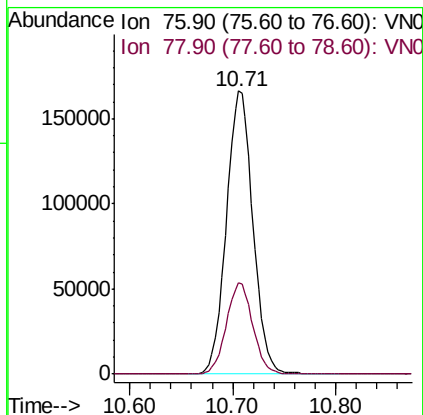
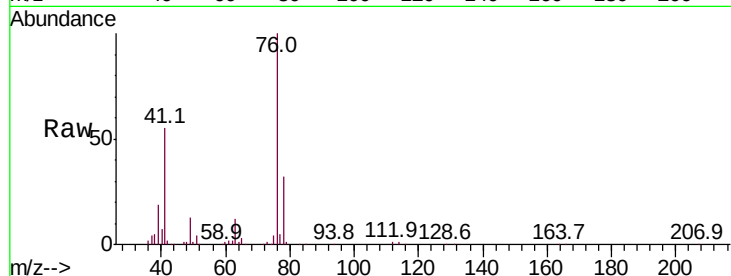
78 32.2 26.0 39.0

Manual Integrations

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#59

2-Hexanone

Concen: 247.965 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056722.D

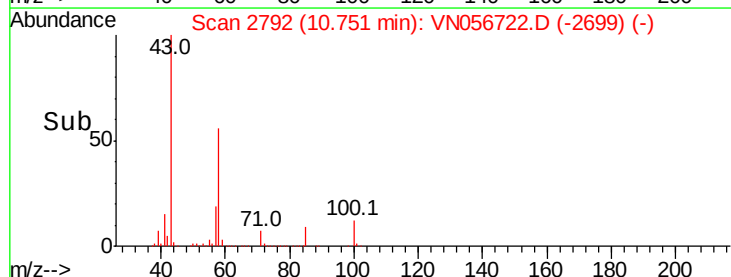
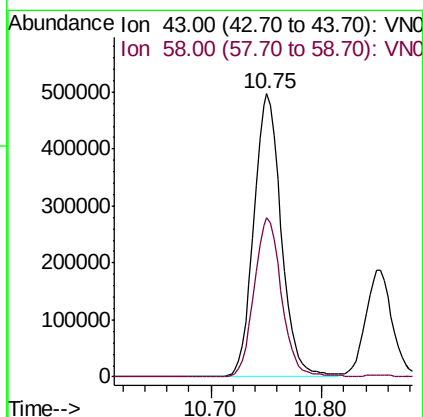
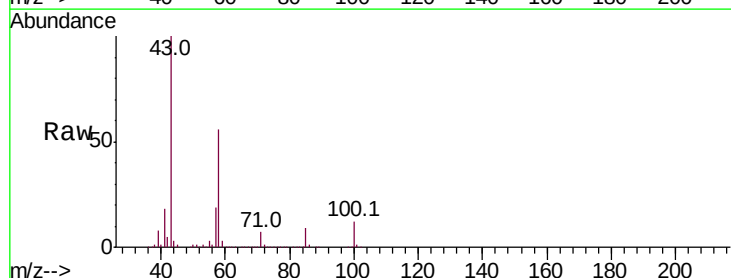
Acq: 15 Jul 2019 19:09

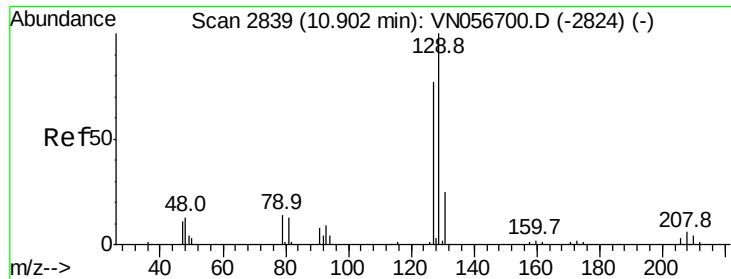
Tgt Ion: 43 Resp: 854164

Ion Ratio Lower Upper

43 100

58 56.3 27.9 83.6





#60

Dibromochloromethane

Concen: 52.077 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion:129 Resp: 186998

Ion Ratio Lower Upper

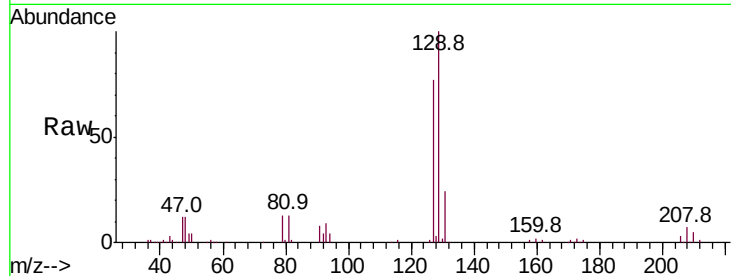
129 100

127 76.9 38.2 114.6

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

120000

100000

80000

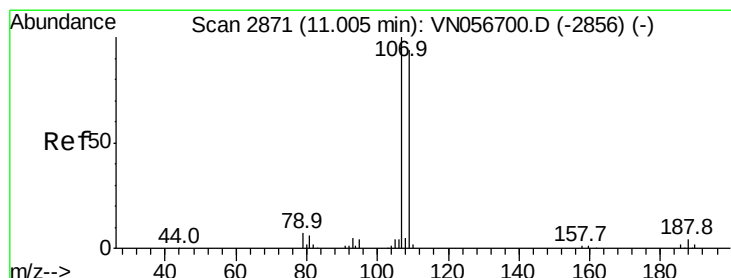
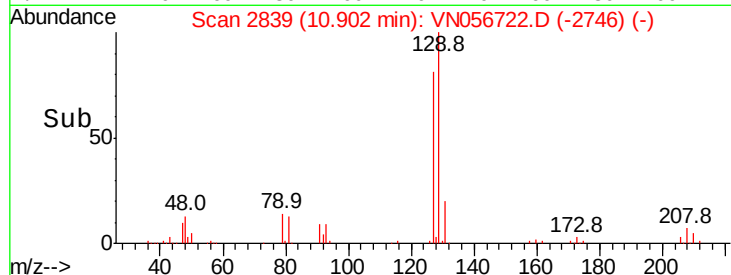
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 51.162 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056722.D

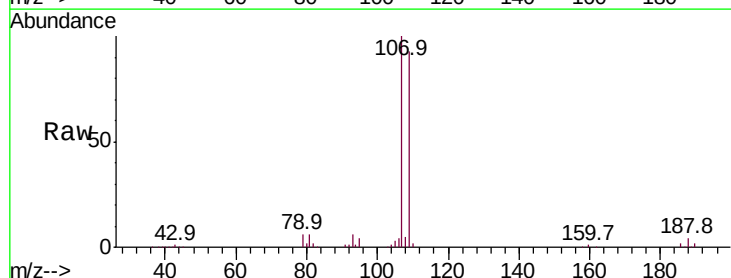
Acq: 15 Jul 2019 19:09

Tgt Ion:107 Resp: 185640

Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

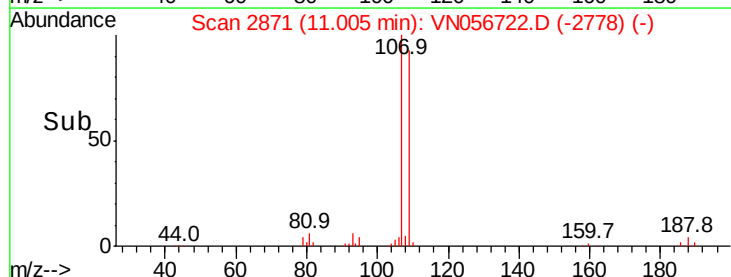
60000

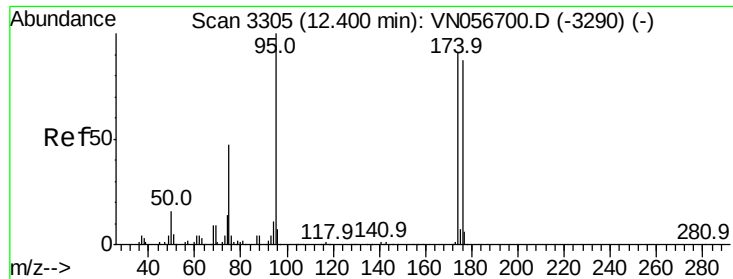
40000

20000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 55.283 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

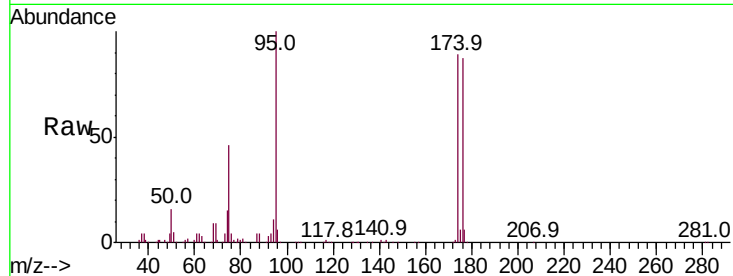
ClientSampleId :

SA-TW532-2126MS

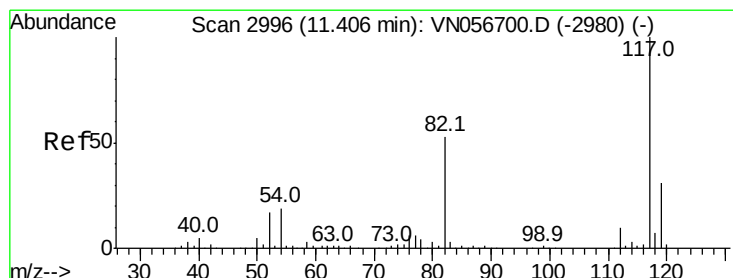
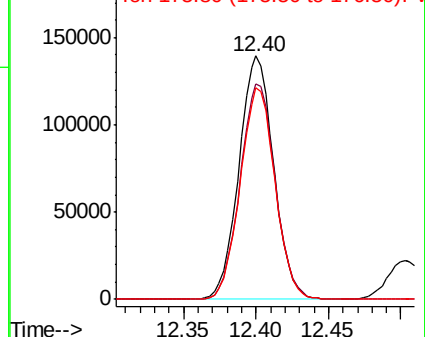
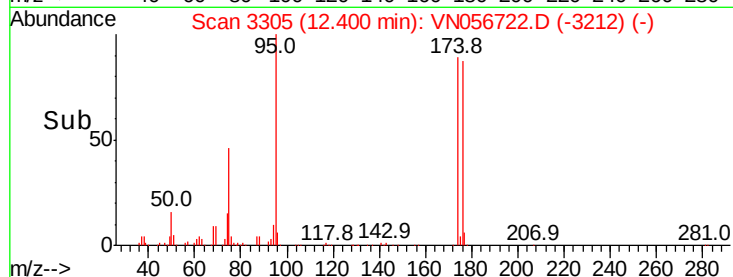
Tot Ion:	95	Resp:	231649
Ion Ratio	Lower	Upper	
95	100		
174	89.6	0.0	180.0
176	87.5	0.0	173.2

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VN056722.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

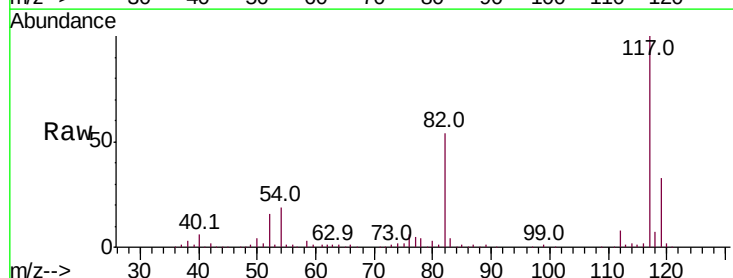
RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

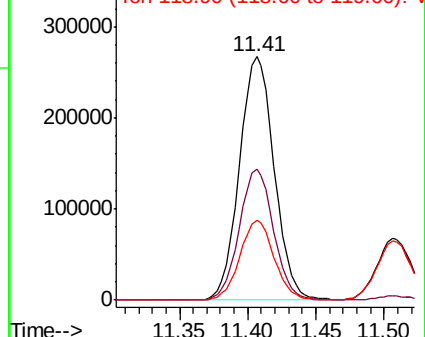
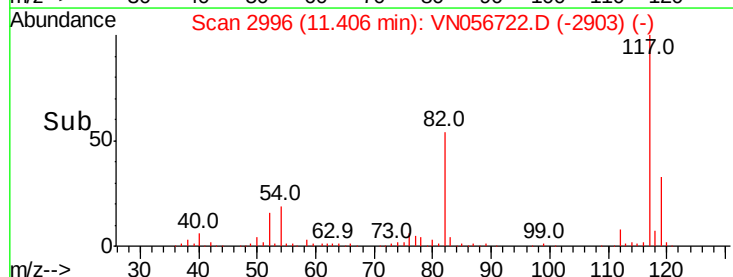
Lab File: VN056722.D

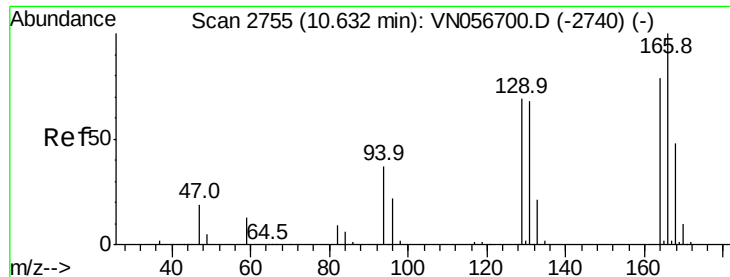
Acq: 15 Jul 2019 19:09

Tgt Ion:	117	Resp:	472710
Ion Ratio	Lower	Upper	
117	100		
82	53.8	42.2	63.2
119	32.9	25.2	37.8



Abundance Ion 116.90 (116.60 to 117.60): VN056722.D (-2903) (-)





#64

Tetrachloroethene

Concen: 46.024 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056722.D

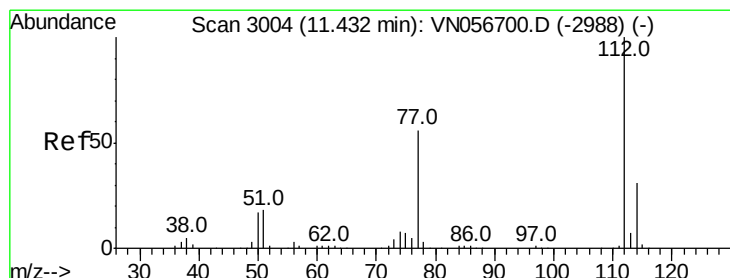
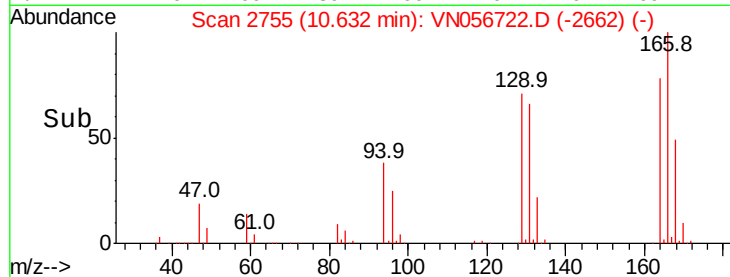
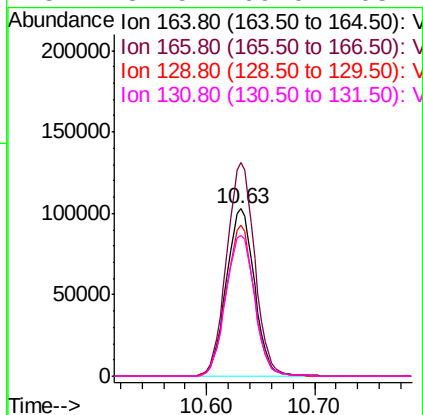
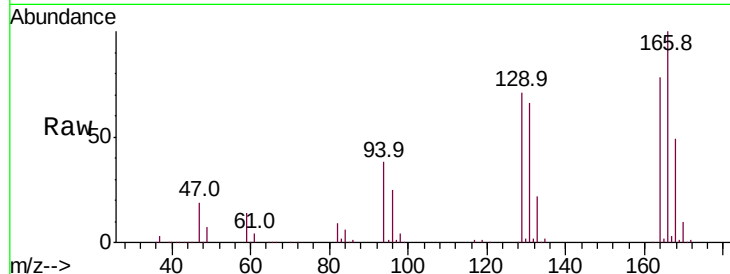
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:	164	Resp:	187693
Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.2
129	90.3	69.6	104.4
131	84.5	69.0	103.4

Manual Integrations
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#65

Chlorobenzene

Concen: 48.558 ug/l

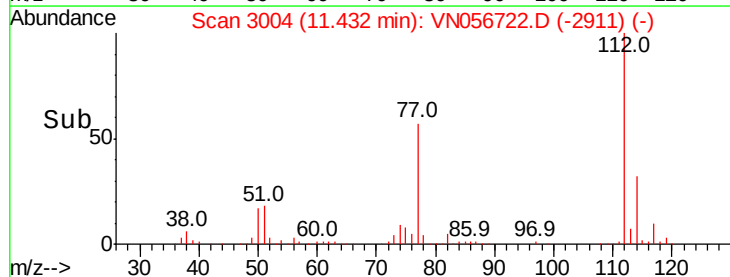
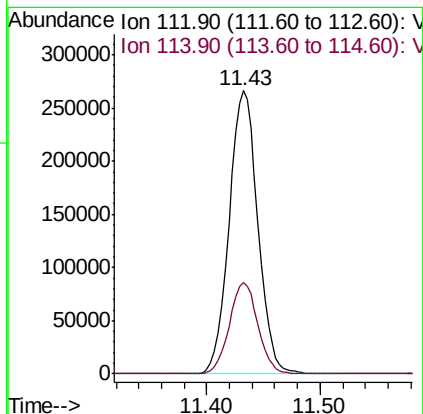
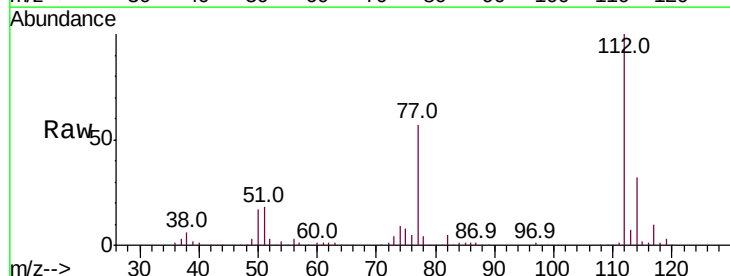
RT: 11.43 min Scan# 3004

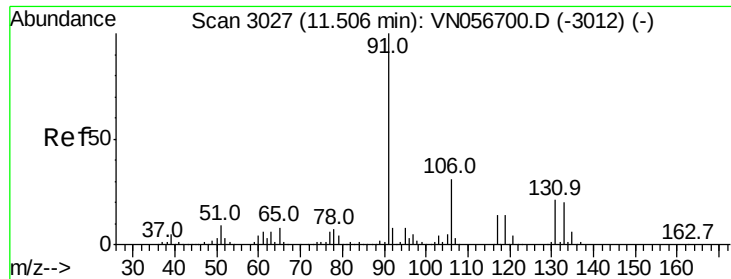
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	112	Resp:	469342
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 48.258 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

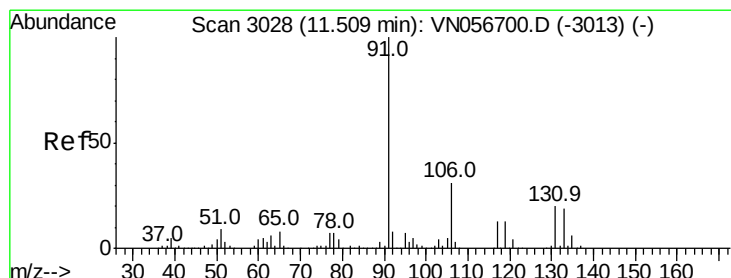
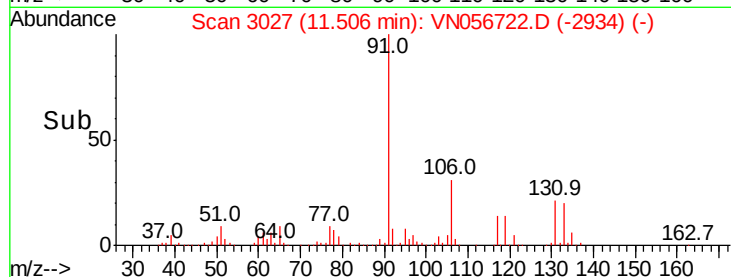
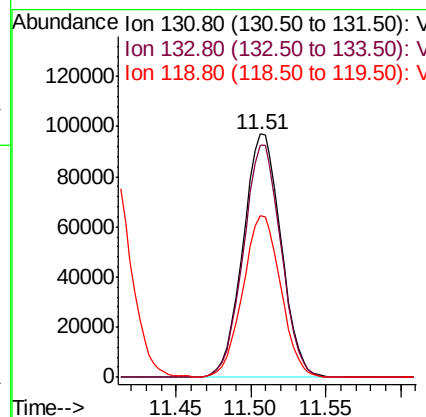
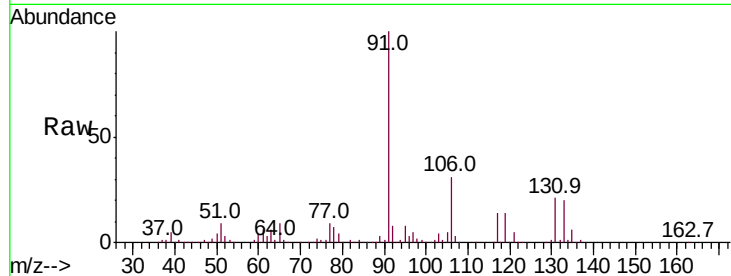
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	131	Resp:	171742
Ion Ratio	Lower	Upper	
131	100		
133	94.9	46.9	140.7
119	66.3	32.8	98.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.020 ug/l

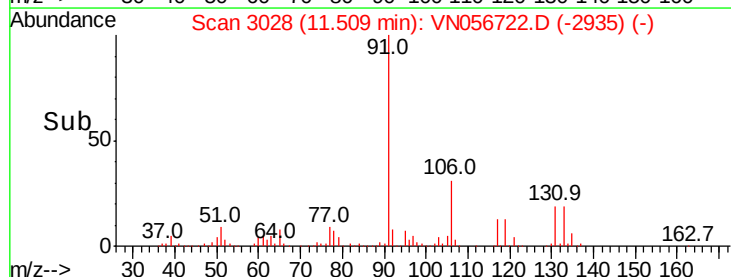
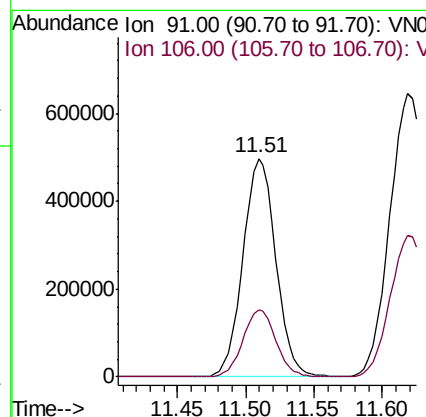
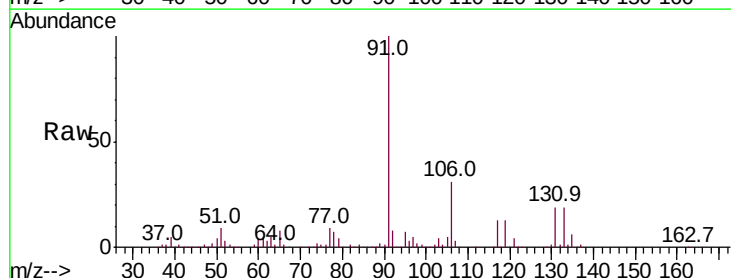
RT: 11.51 min Scan# 3028

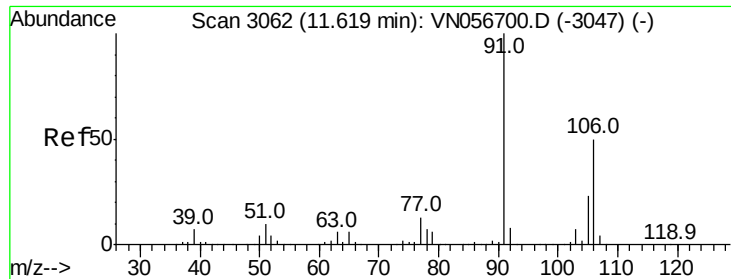
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	91	Resp:	832677
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.8	37.2





#68

m/p-Xylenes

Concen: 98.246 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion:106 Resp: 623693

Ion Ratio Lower Upper

106 100

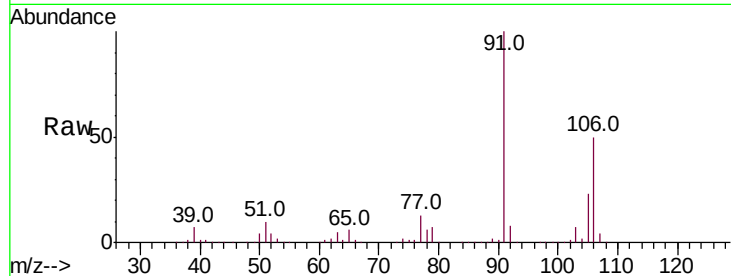
91 200.9 160.5 240.7

Manual Integrations

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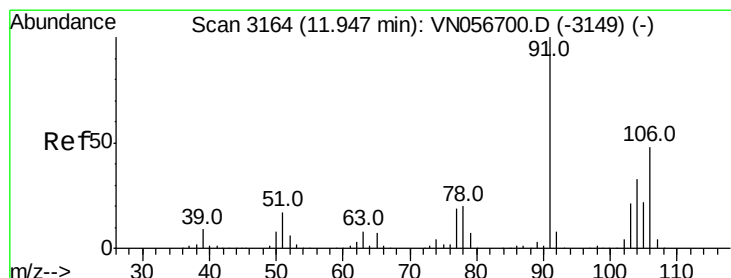
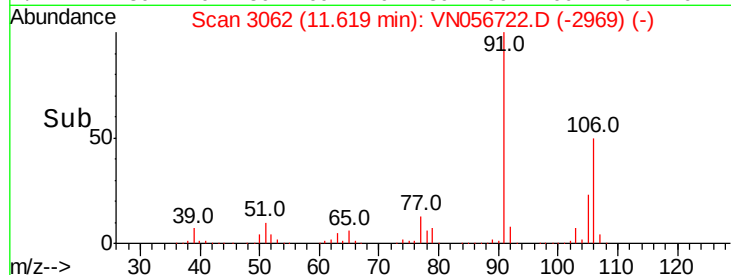
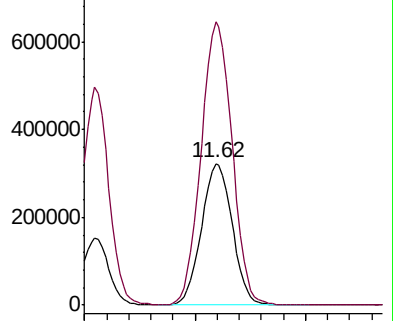
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 48.461 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN056722.D

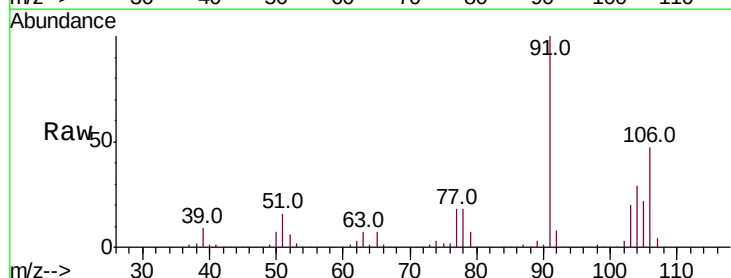
Acq: 15 Jul 2019 19:09

Tgt Ion:106 Resp: 302449

Ion Ratio Lower Upper

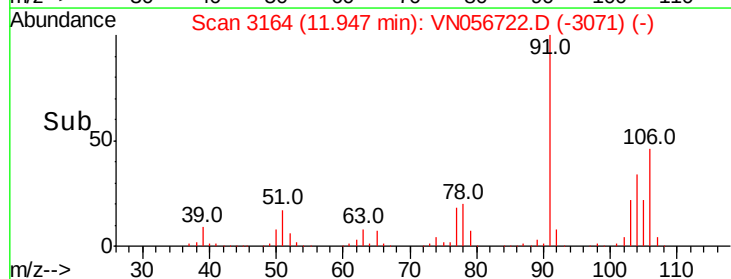
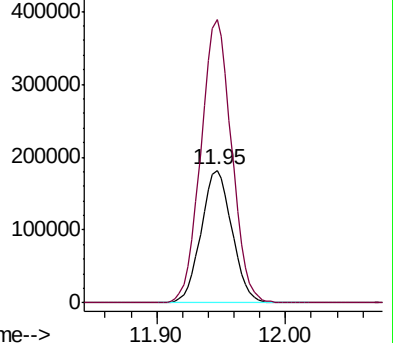
106 100

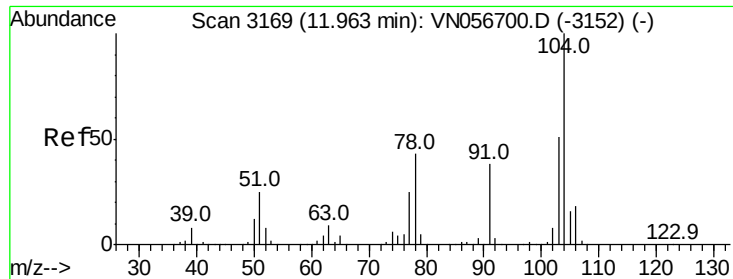
91 212.5 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 50.879 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

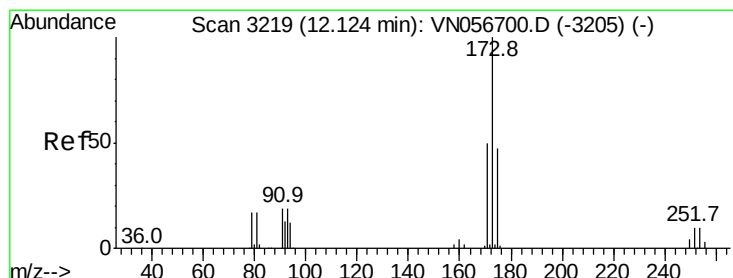
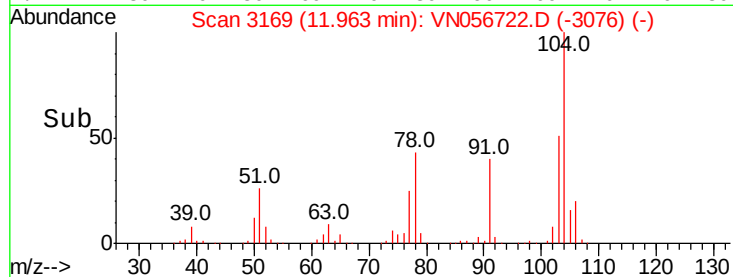
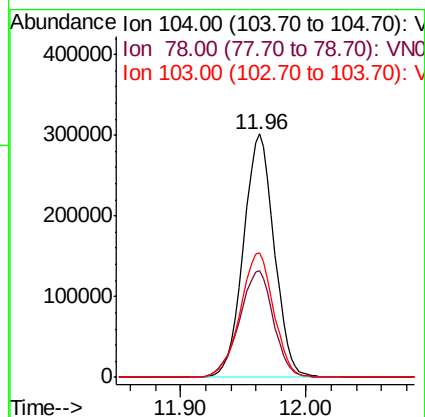
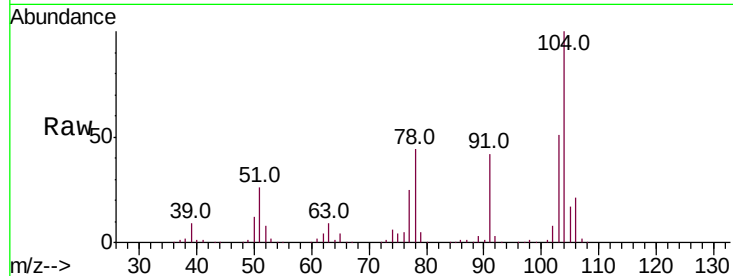
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	104	Resp:	513375
Ion Ratio	Lower	Upper	
104	100		
78	48.4	38.6	57.8
103	55.9	44.2	66.4

Manual Integrations
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#71

Bromoform

Concen: 51.390 ug/l

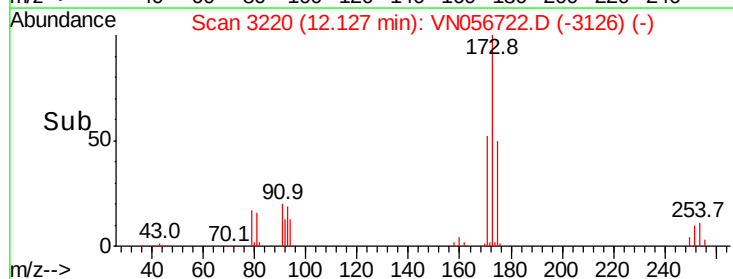
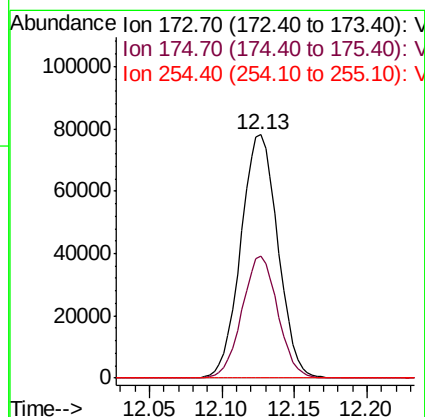
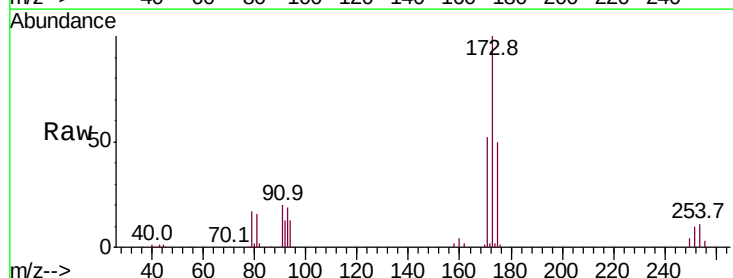
RT: 12.13 min Scan# 3220

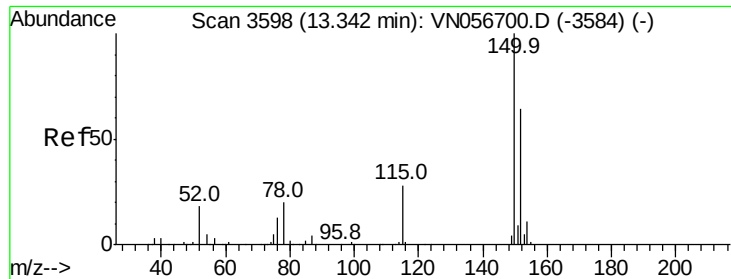
Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	173	Resp:	139154
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.8	71.4
254	0.0	0.0	0.0





#72

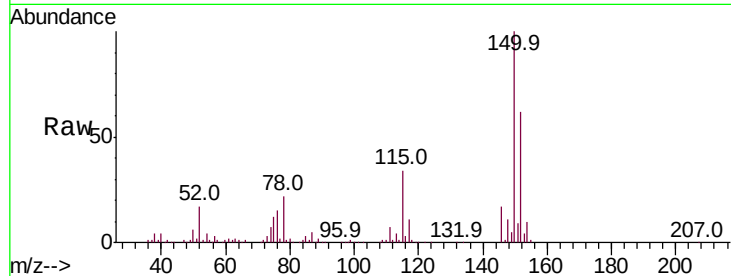
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.2	84.7
150	172.8	0.0	345.8

Manual Integrations
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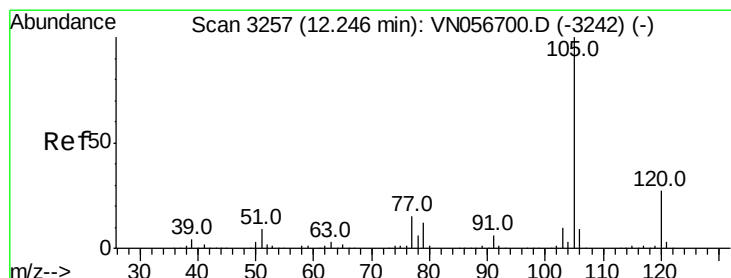
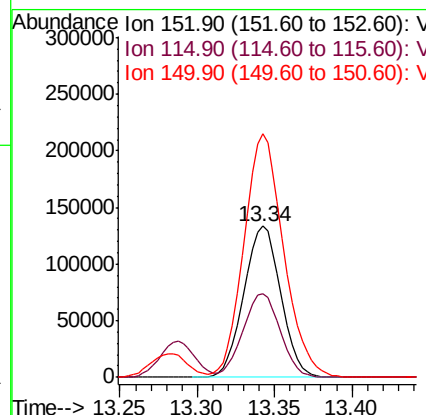
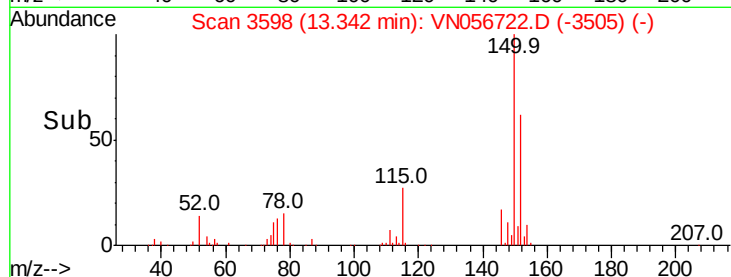


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

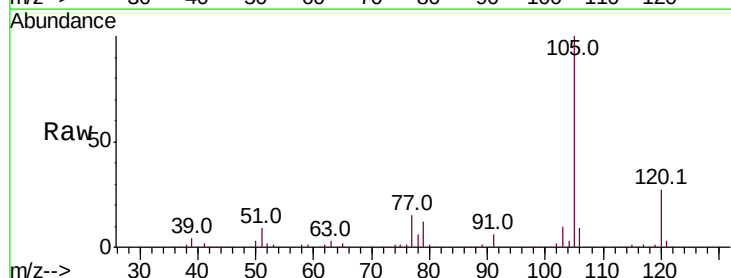
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 44.739 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

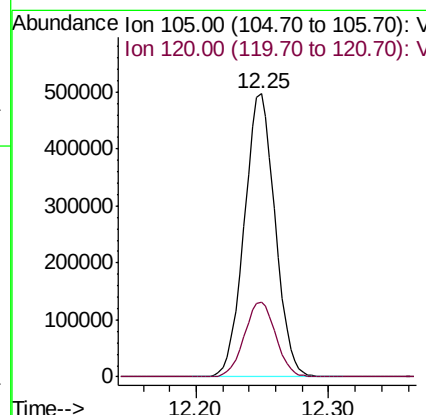
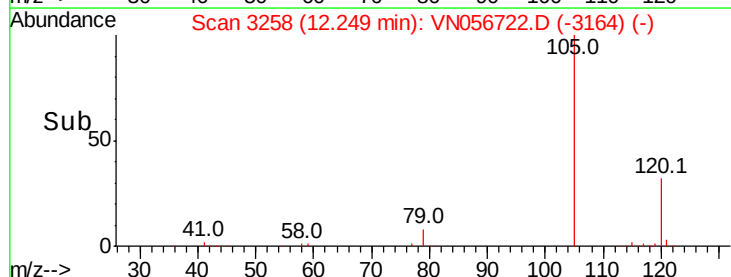
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2

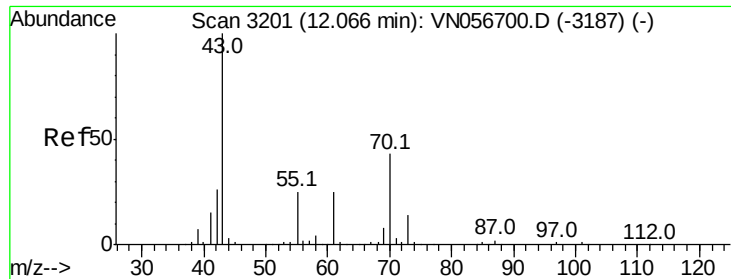


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.851 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 43 Resp: 285798

Ion Ratio Lower Upper

43 100

70 43.8 34.5 51.7

55 25.5 20.2 30.2

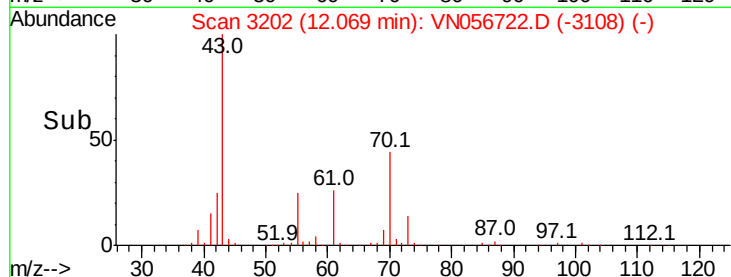
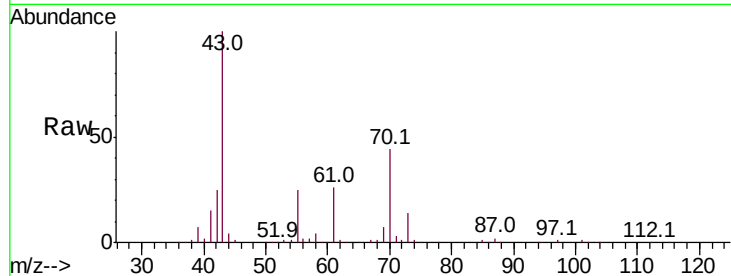
61 25.5 19.9 29.9

Manual Integrations

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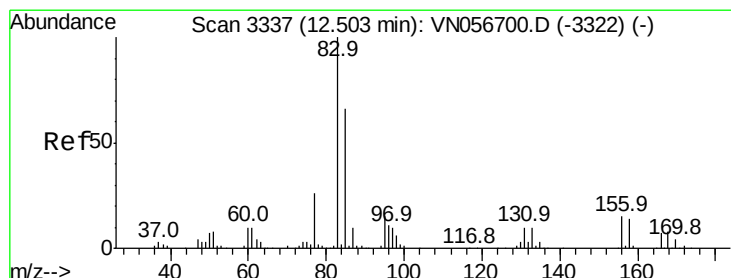
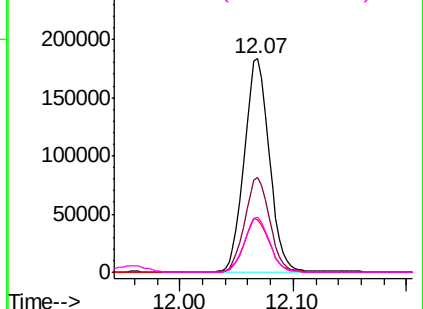


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.108 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

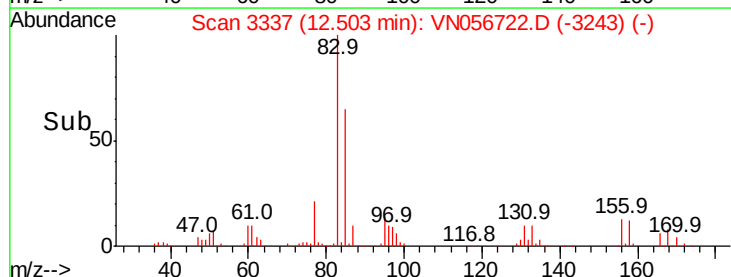
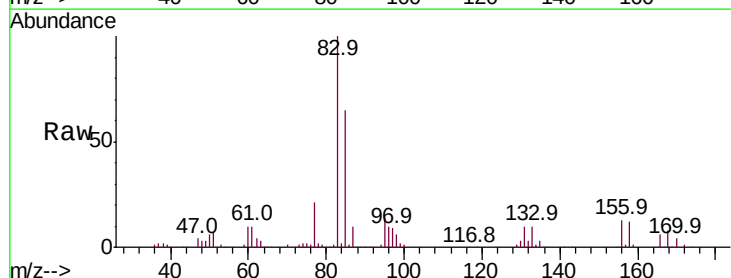
Tgt Ion: 83 Resp: 254842

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

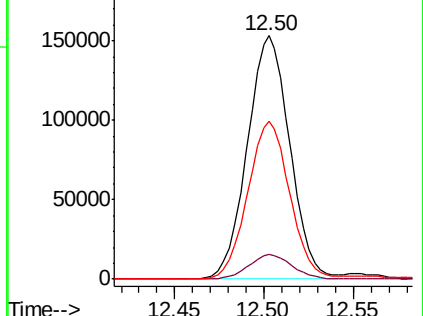
85 64.2 32.6 97.8

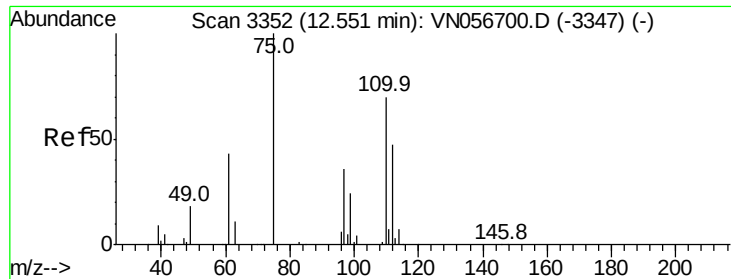


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





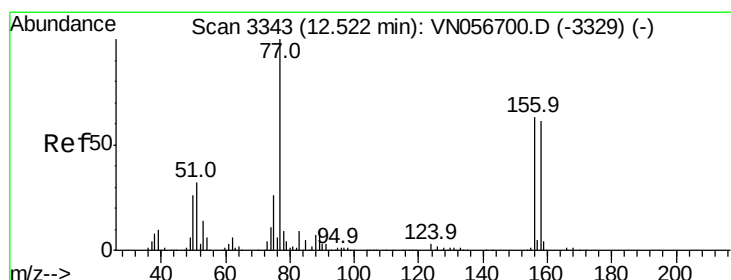
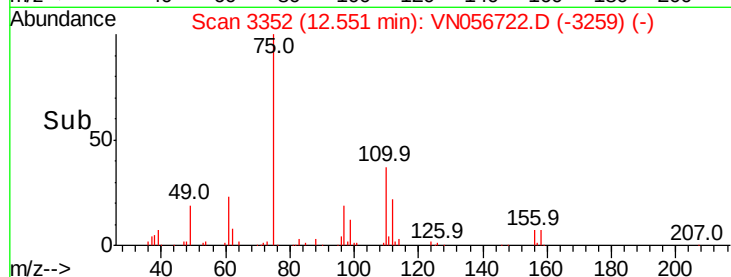
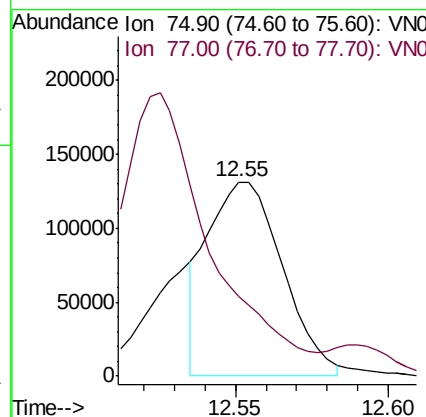
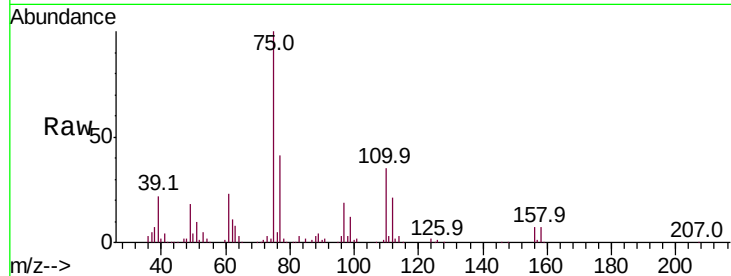
#76
 1,2,3-Trichloropropane
 Concen: 46.208 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

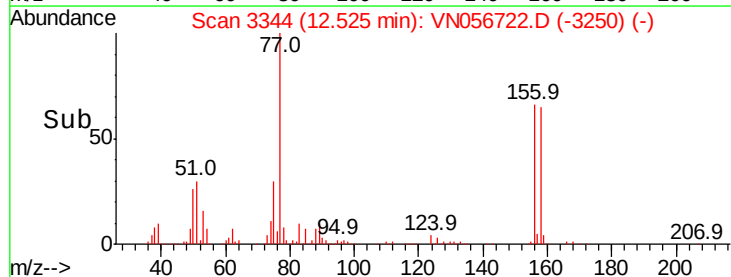
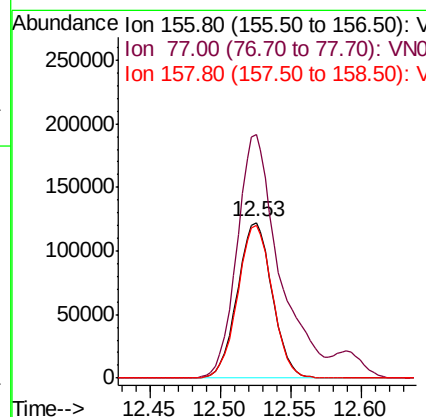
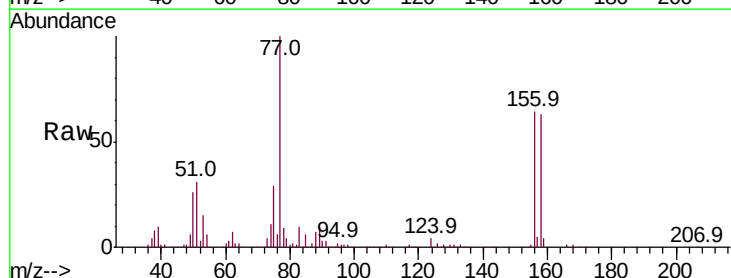
Manual Integrations
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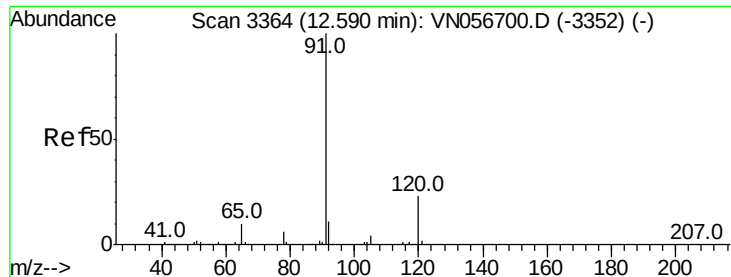
MMDadoda
 7/17/2019 1:31:38 AM



#77
 Bromobenzene
 Concen: 45.141 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
156	100		
77	190.1	97.2	291.6
158	97.9	48.9	146.8





#78

n-propylbenzene

Concen: 45.531 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 91 Resp: 905230

Ion Ratio Lower Upper

91 100

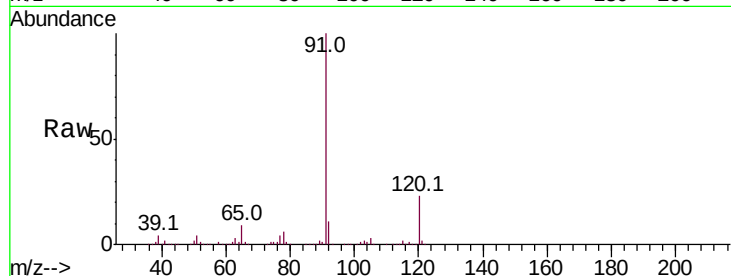
120 23.3 11.8 35.3

Manual Integrations

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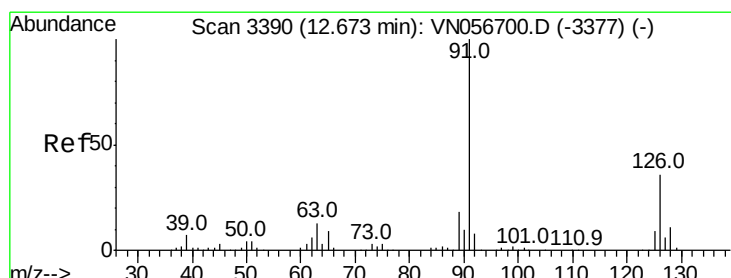
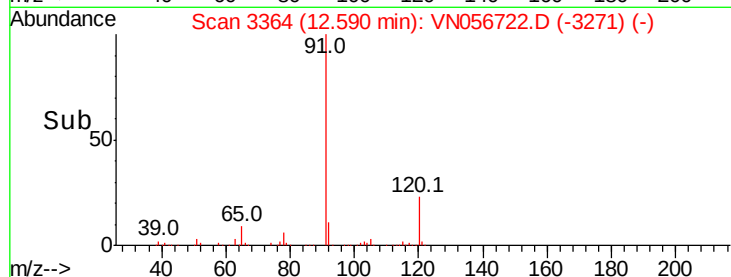
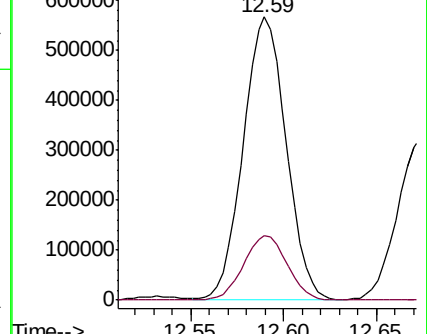
MMDadoda

7/17/2019 1:31:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.628 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056722.D

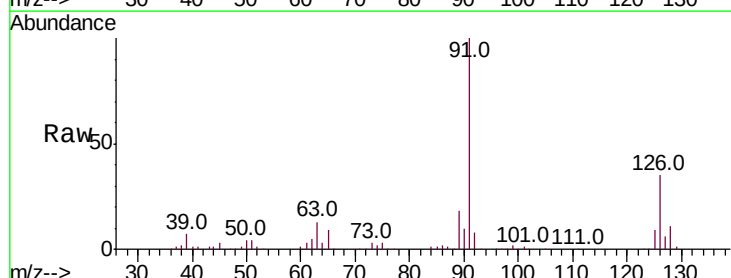
Acq: 15 Jul 2019 19:09

Tgt Ion: 91 Resp: 534750

Ion Ratio Lower Upper

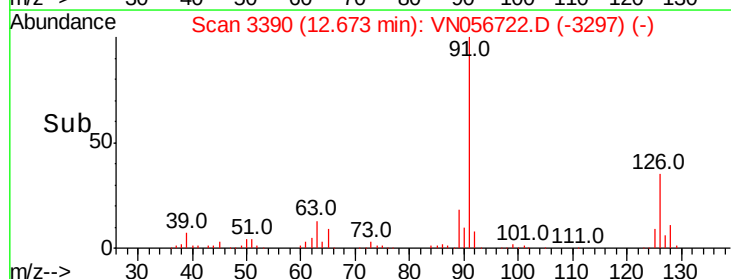
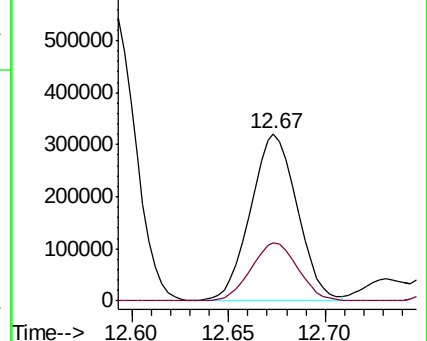
91 100

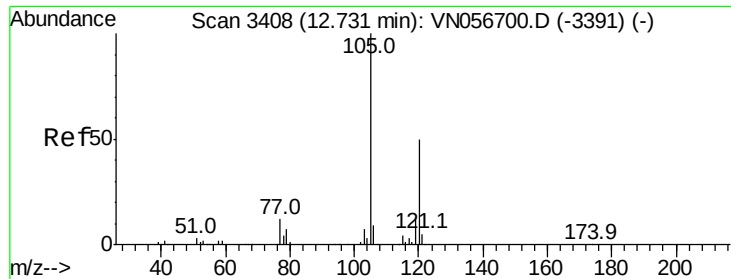
126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 44.362 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion:105 Resp: 673334

Ion Ratio Lower Upper

105 100

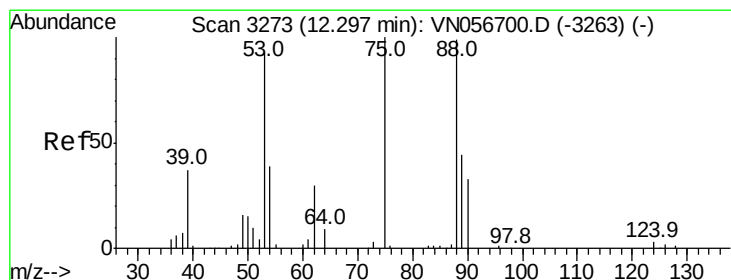
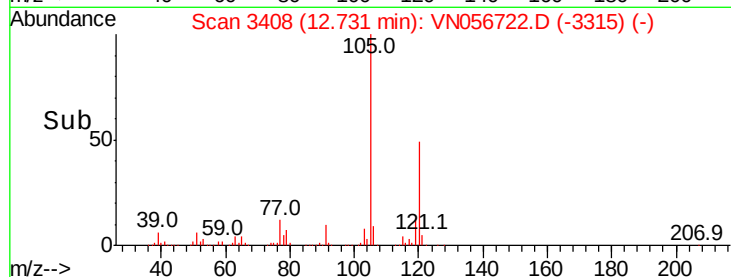
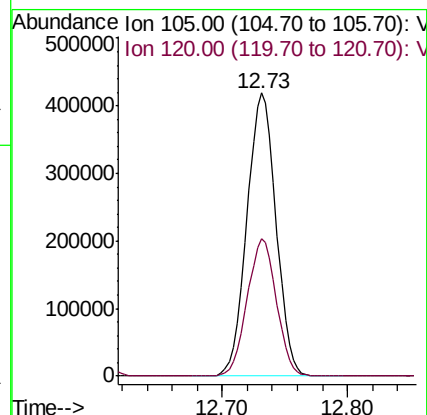
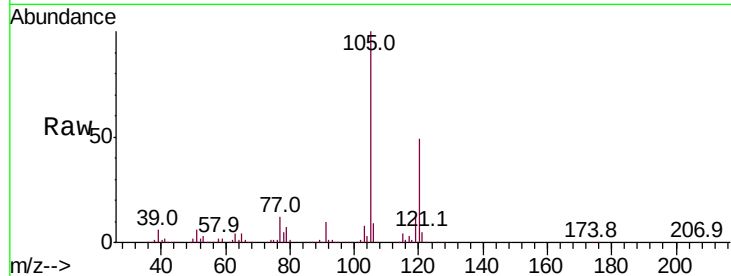
120 48.9 24.8 74.3

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 45.835 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

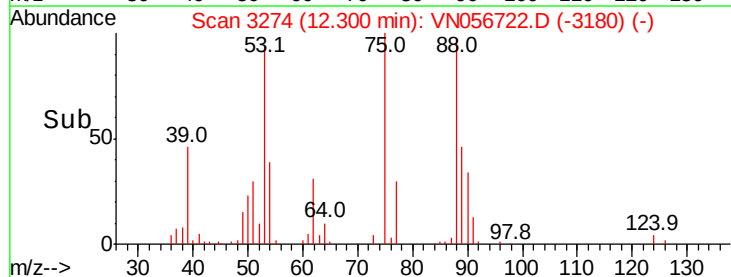
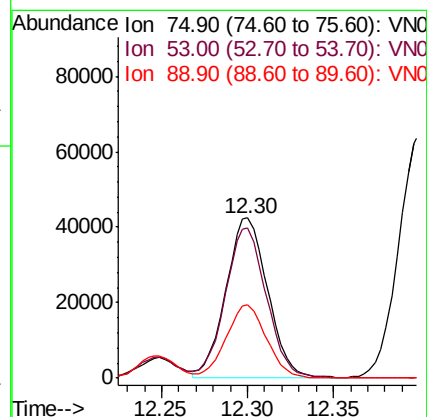
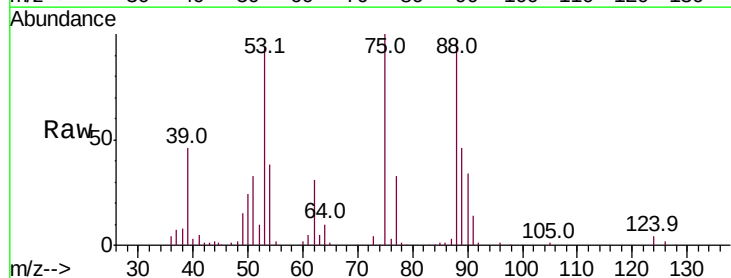
Tgt Ion: 75 Resp: 72096

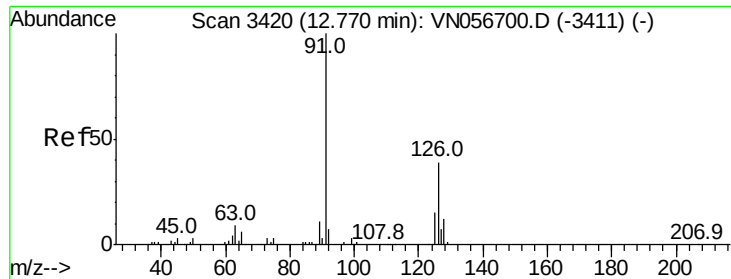
Ion Ratio Lower Upper

75 100

53 92.7 73.7 110.5

89 44.4 36.2 54.2





#82

4-Chlorotoluene

Concen: 45.749 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 91 Resp: 533781

Ion Ratio Lower Upper

91 100

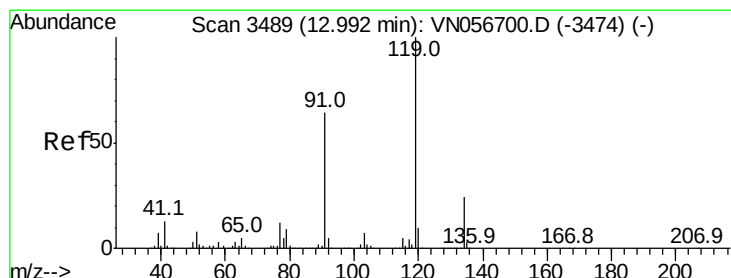
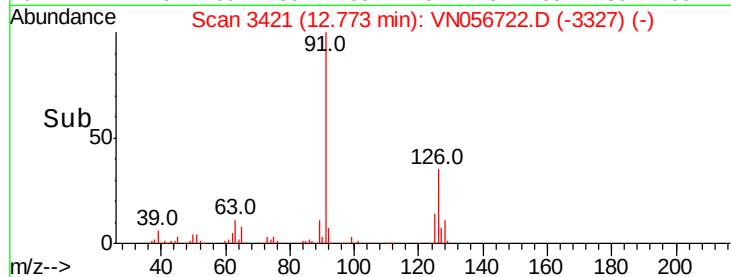
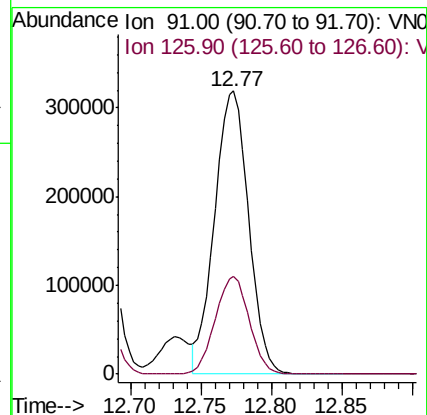
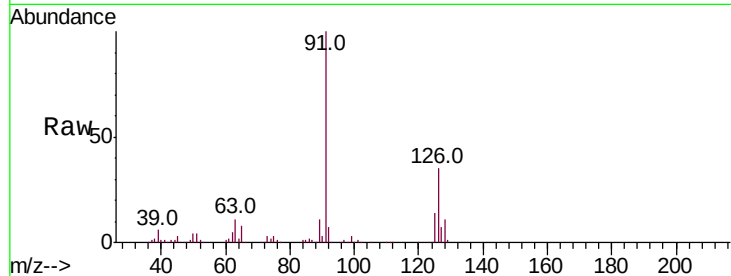
126 34.5 17.6 52.8

Manual Integrations

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MMDadoda

7/17/2019 1:31:38 AM



#83

tert-Butylbenzene

Concen: 48.423 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

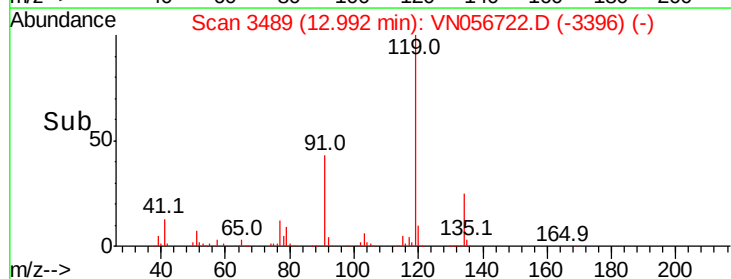
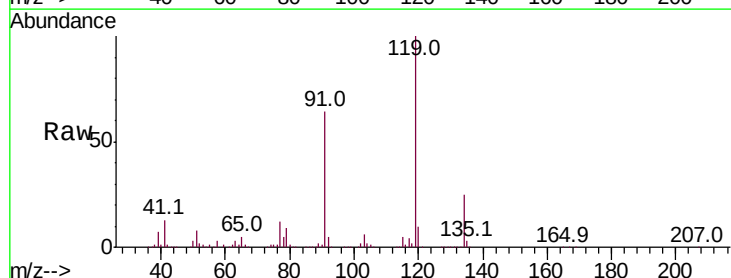
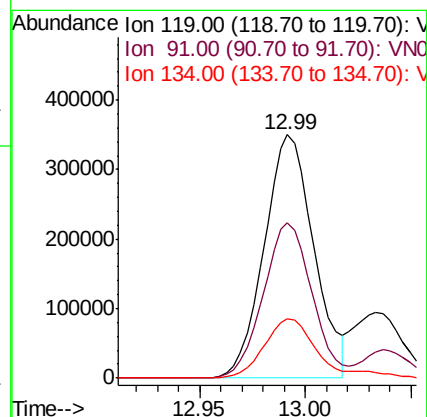
Tgt Ion: 119 Resp: 573479

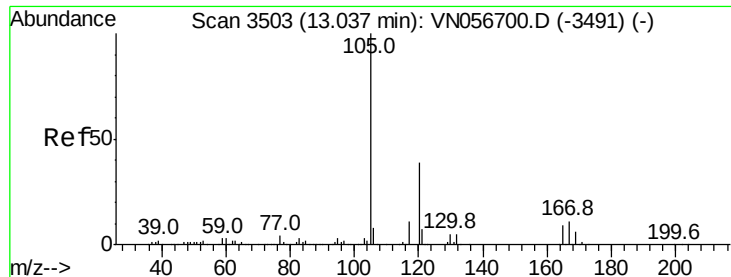
Ion Ratio Lower Upper

119 100

91 62.6 31.8 95.4

134 26.5 13.0 38.9





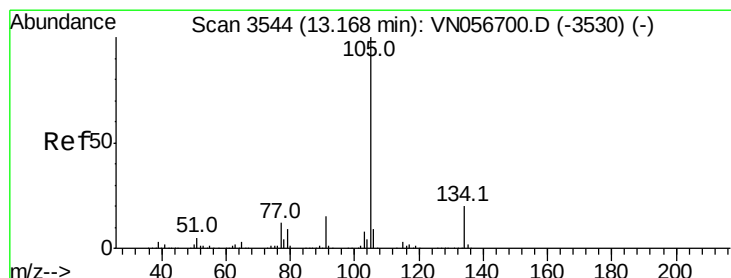
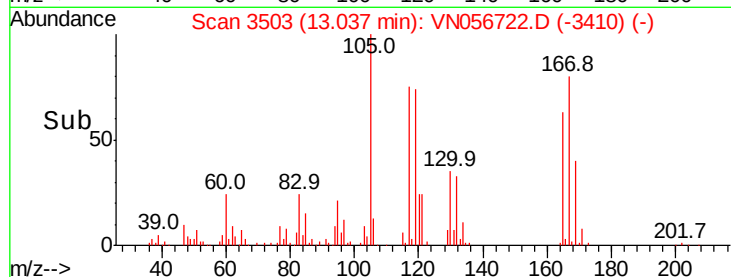
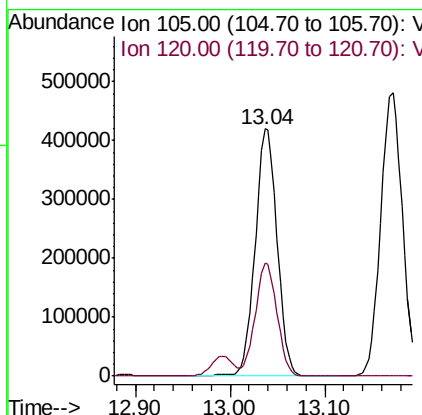
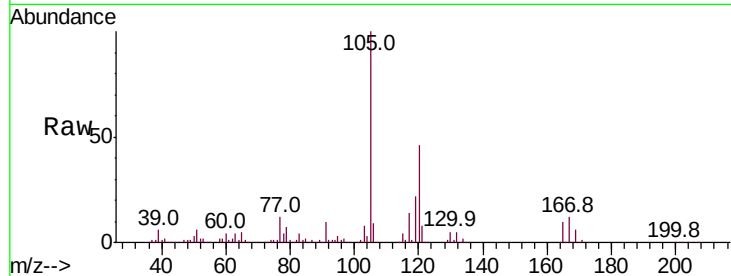
#84
1,2,4-Trimethylbenzene
Concen: 45.548 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:105 Resp: 675375
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.8

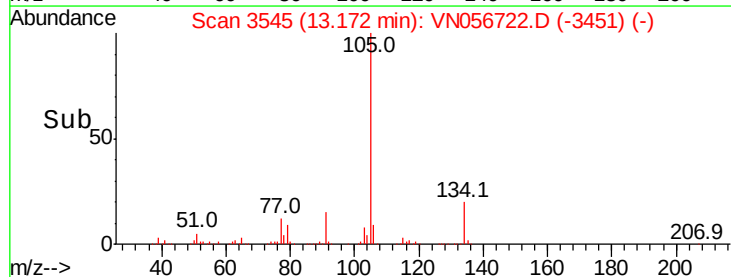
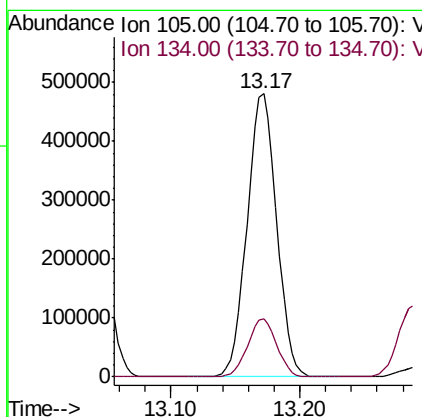
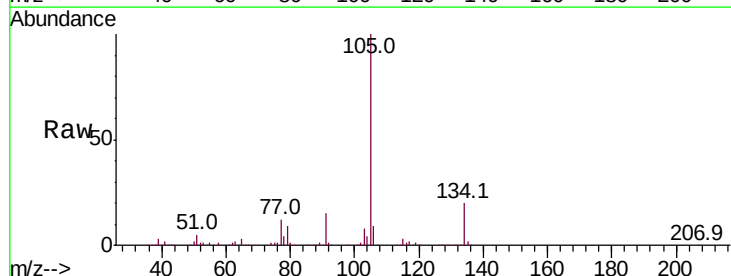
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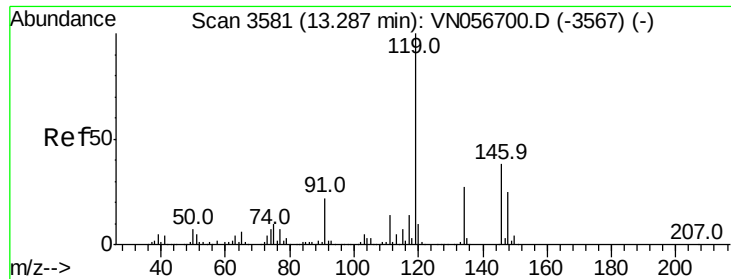
MMDadoda
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#85
sec-Butylbenzene
Concen: 45.386 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion:105 Resp: 765462
Ion Ratio Lower Upper
105 100
134 20.2 10.1 30.1





#86

p-Isopropyltoluene

Concen: 45.492 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

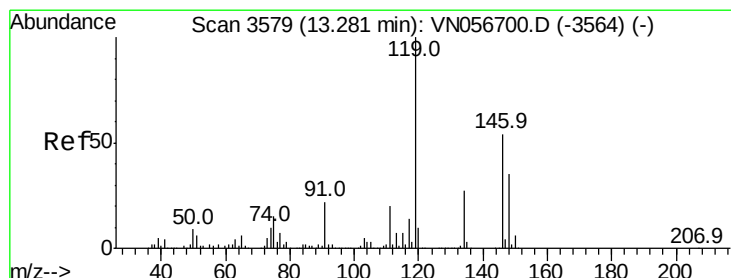
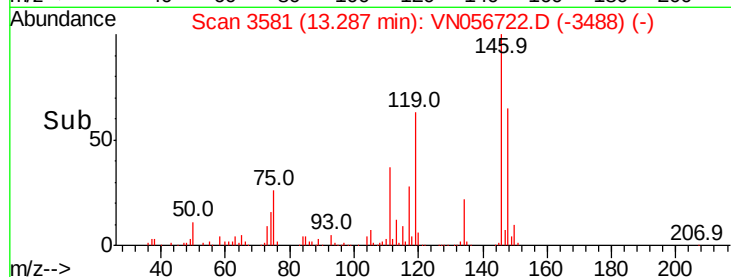
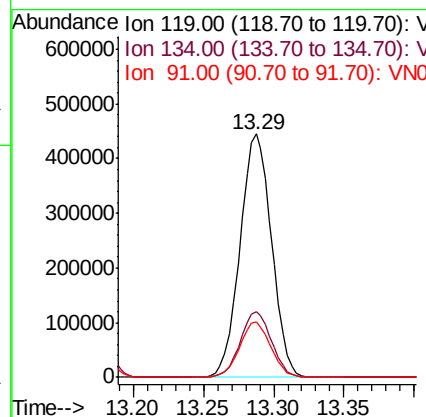
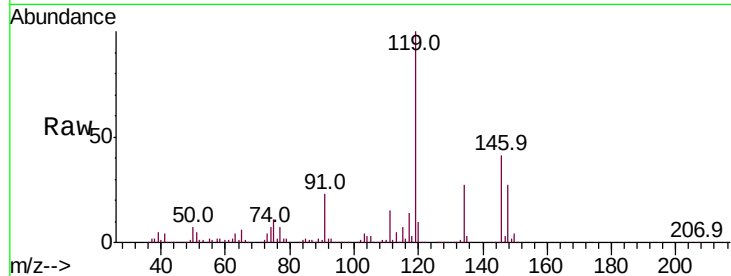
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	119	Resp:	695054
Ion Ratio	Lower	Upper	
119	100		
134	27.0	13.6	40.7
91	22.5	11.2	33.5

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#87

1,3-Dichlorobenzene

Concen: 45.767 ug/l

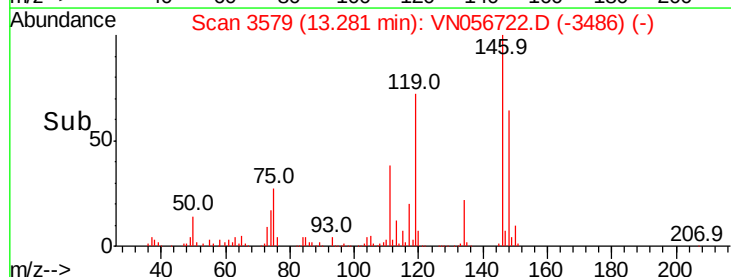
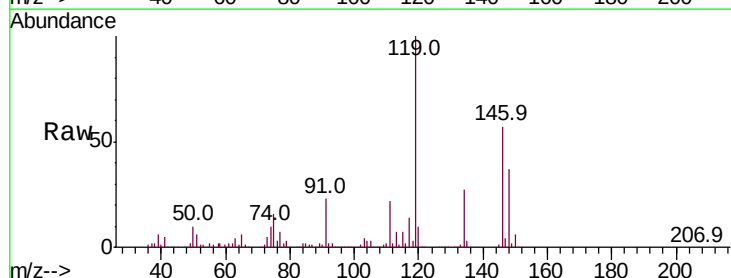
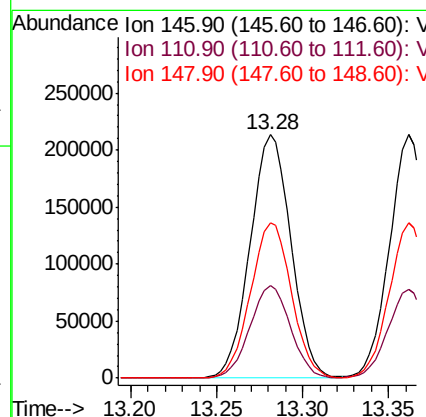
RT: 13.28 min Scan# 3579

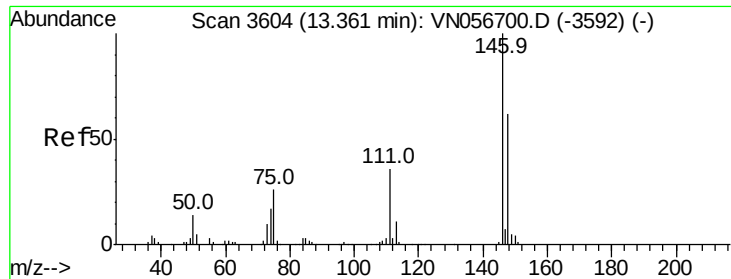
Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	146	Resp:	351331
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.3
148	63.9	32.3	96.8





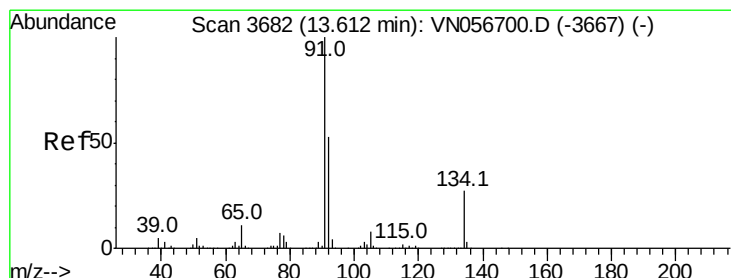
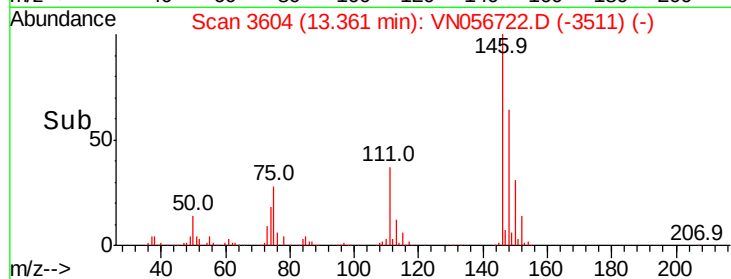
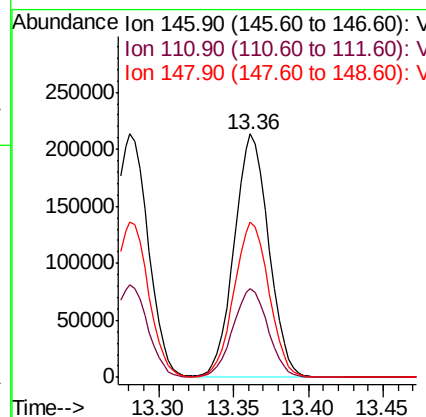
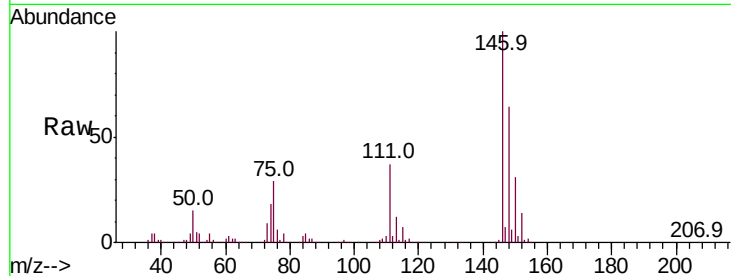
#88
 1,4-Dichlorobenzene
 Concen: 45.908 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.8	31.9	95.7

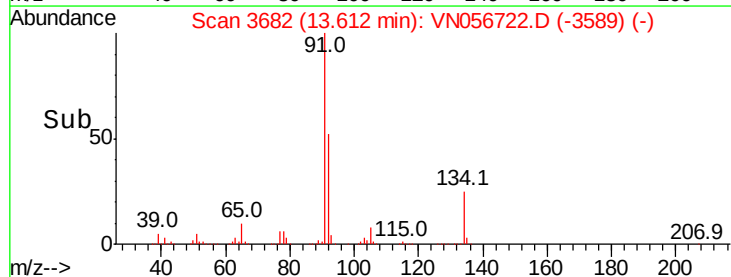
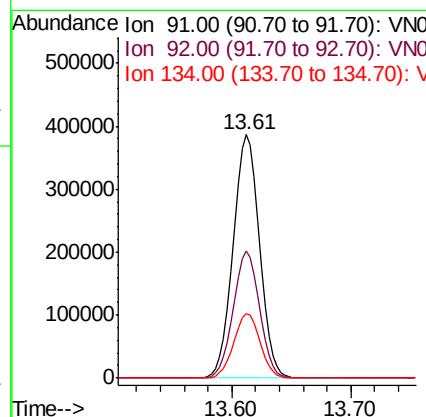
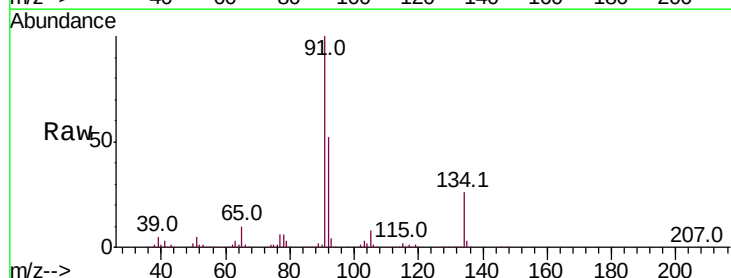
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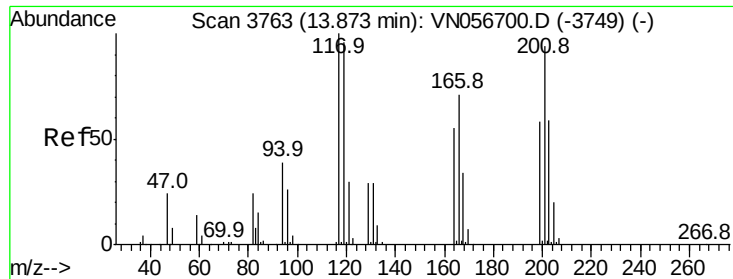
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#89
 n-Butylbenzene
 Concen: 48.098 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.6	13.4	40.2





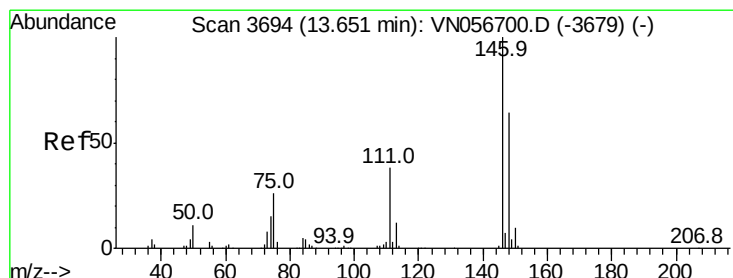
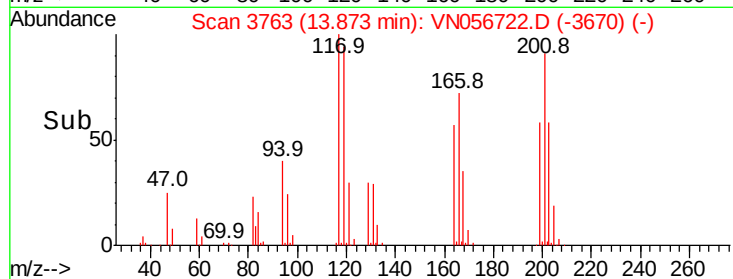
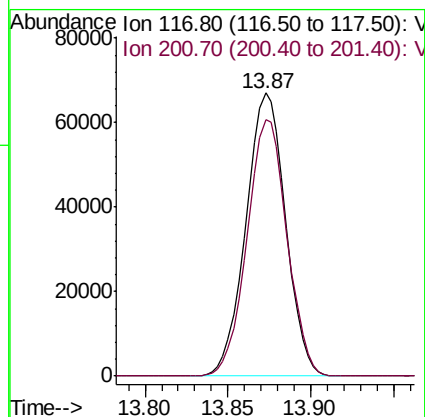
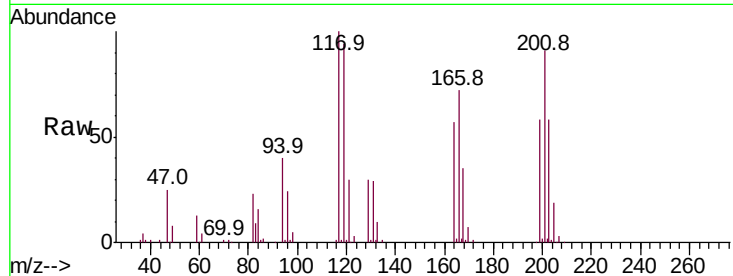
#90
Hexachloroethane
Concen: 45.105 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	111443		
201	90.9	46.5	139.5	

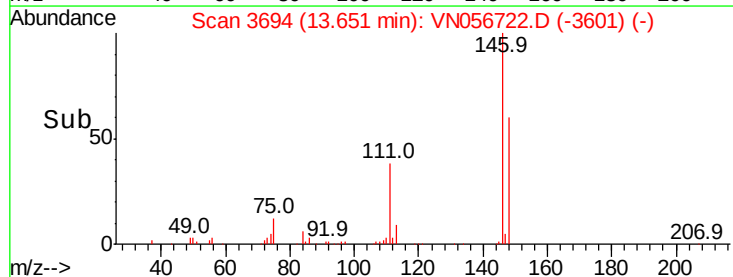
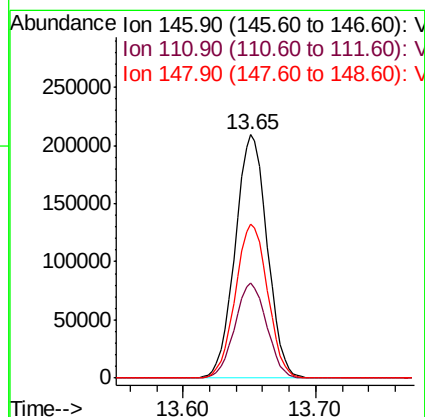
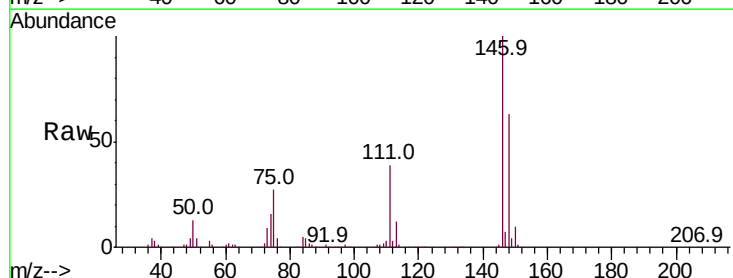
Manual Integrations
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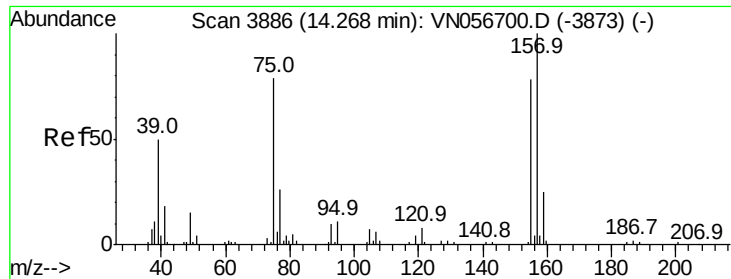
MMDadoda
7/17/2019 1:31:38 AM



#91
1,2-Dichlorobenzene
Concen: 44.616 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	350291		
111	39.0	19.1	57.1	
148	64.0	31.7	95.1	





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.658 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 75 Resp: 44806

Ion Ratio Lower Upper

75 100

155 95.3 49.3 147.9

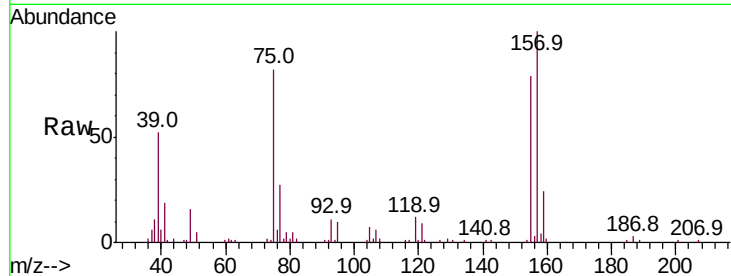
157 121.1 62.4 187.1

Manual Integrations

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MMDadoda

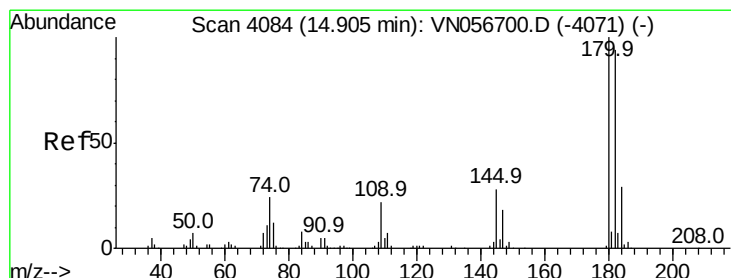
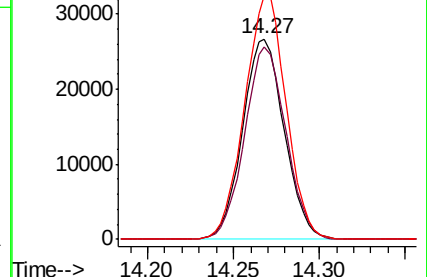
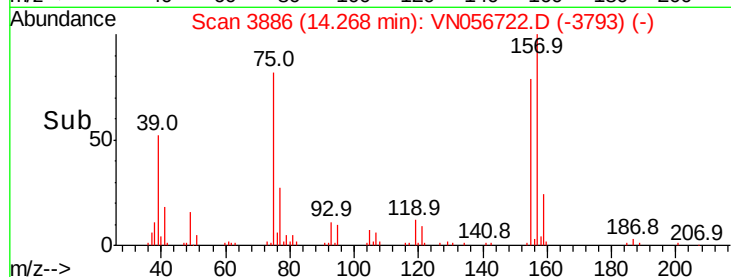
7/17/2019 1:31:38 AM



Abundance Ion 74.90 (74.60 to 75.60): VN056722.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN056722.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN056722.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 44.059 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

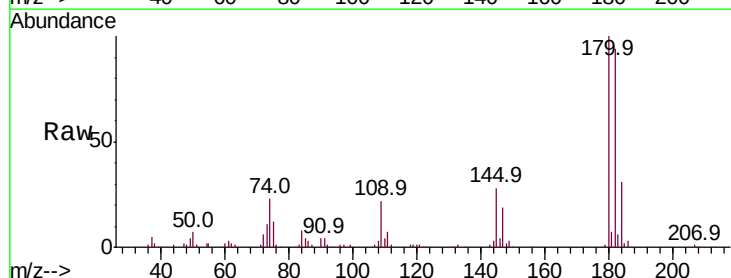
Tgt Ion:180 Resp: 189047

Ion Ratio Lower Upper

180 100

182 94.8 47.2 141.6

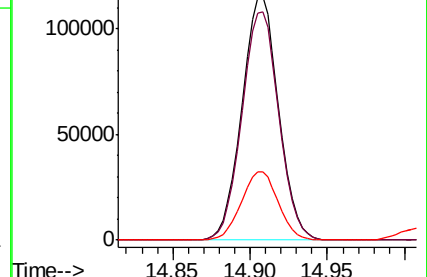
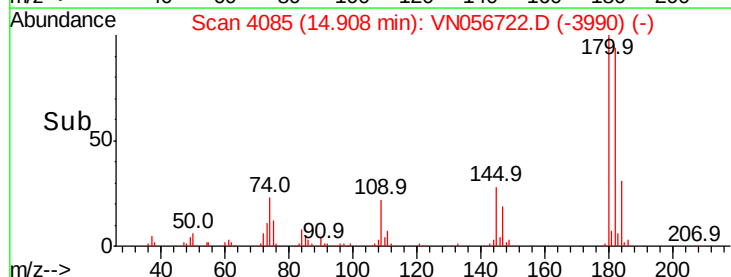
145 28.4 14.2 42.8

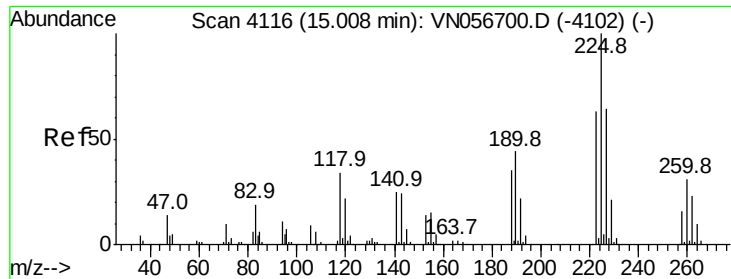


Abundance Ion 179.80 (179.50 to 180.50): VN056722.D (-3990) (-)

Ion 181.80 (181.50 to 182.50): VN056722.D (-3990) (-)

Ion 144.80 (144.50 to 145.50): VN056722.D (-3990) (-)





#94

Hexachlorobutadiene

Concen: 44.971 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

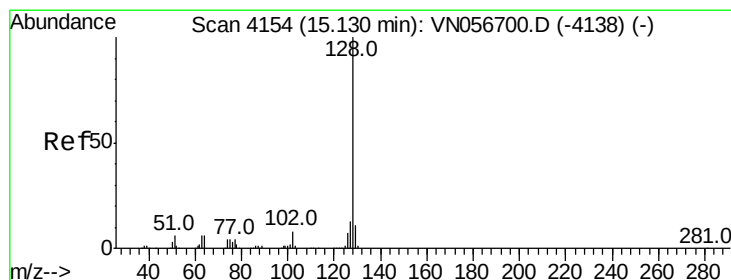
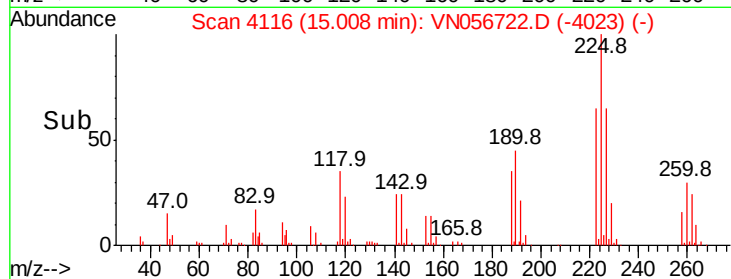
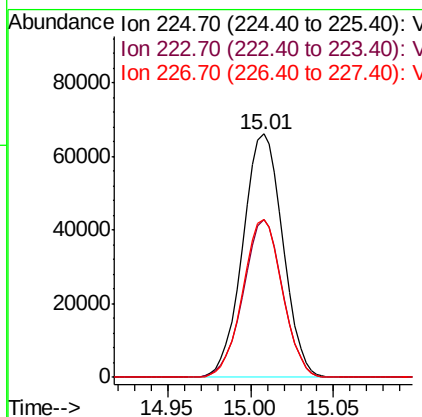
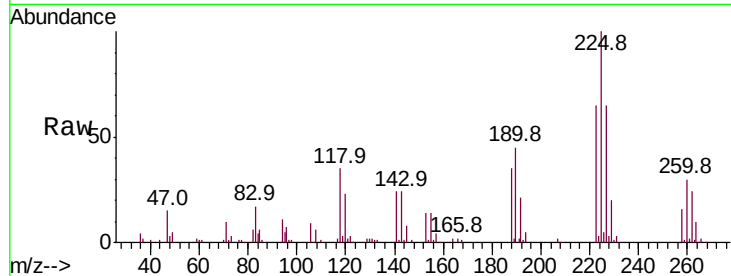
ClientSampleId :

SA-TW532-2126MS

Tot Ion:	225	Resp:	111249
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.5	94.5
227	64.1	32.0	96.2

Manual Integrations
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7/17/2019 1:31:38 AM



#95

Naphthalene

Concen: 42.915 ug/l

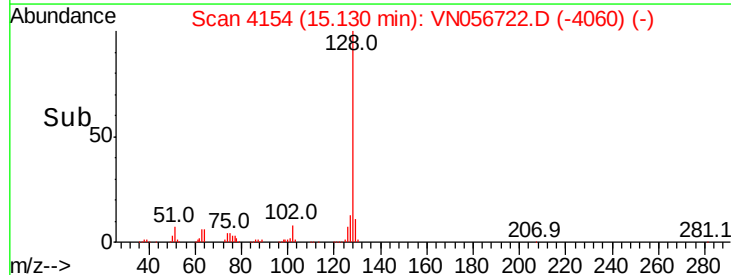
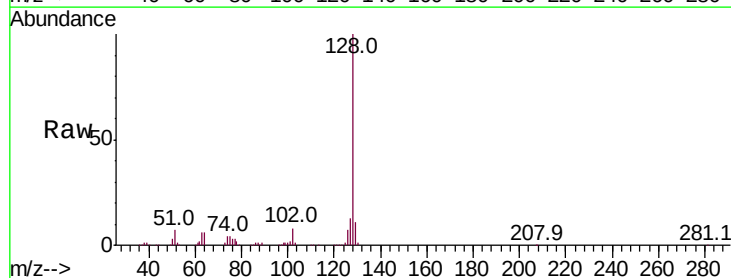
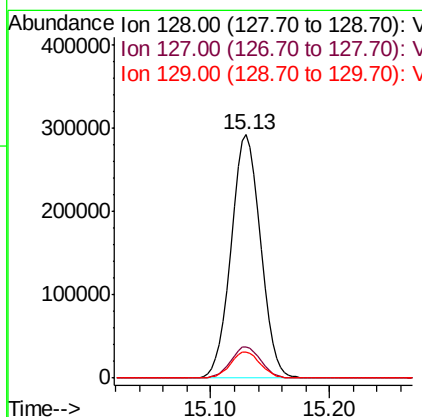
RT: 15.13 min Scan# 4154

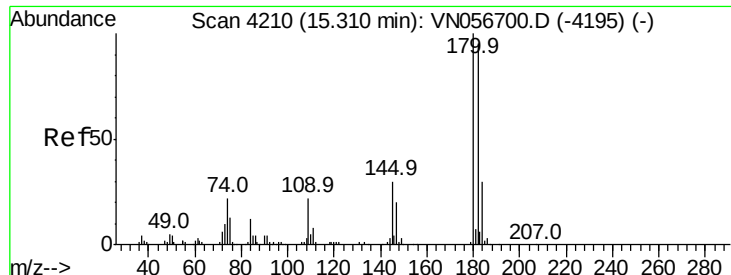
Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion:	128	Resp:	502293
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1





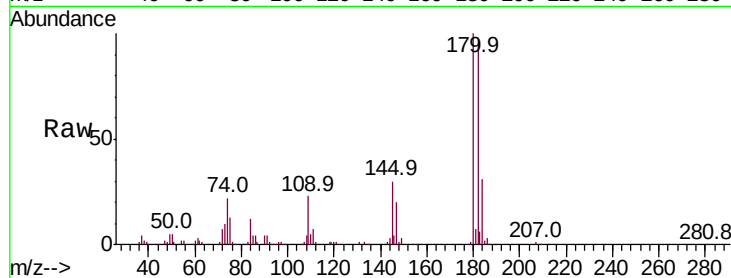
#96
 1,2,3-Trichlorobenzene
 Concen: 45.025 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.1	141.3
145	30.6	15.0	45.1

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:38 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

