

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056723.D
 Acq On : 15 Jul 2019 19:32
 Operator : JC/SP
 Sample : K3817-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:41 AM

Quant Time: Jul 16 05:16:31 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	346347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	534283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	188529	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	167058	50.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.48%	
50) Toluene-d8	10.09	98	643311	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	224317	51.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149664	46.020	ug/l	99
3) Chloromethane	2.06	50	193903	44.347	ug/l	100
4) Vinyl Chloride	2.19	62	197711	46.956	ug/l	100
5) Bromomethane	2.56	94	120261	48.570	ug/l	97
6) Chloroethane	2.70	64	112425	45.821	ug/l	97
7) Trichlorofluoromethane	3.01	101	248764	46.044	ug/l	99
8) Diethyl Ether	3.41	74	100136	47.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150725	46.435	ug/l	99
10) Methyl Iodide	3.95	142	208551	48.035	ug/l	100
11) Tert butyl alcohol	4.79	59	141692	222.198	ug/l	100
12) 1,1-Dichloroethene	3.74	96	153690	47.204	ug/l	99
13) Acrolein	3.61	56	55333	253.880	ug/l	98
14) Allyl chloride	4.32	41	263196	46.744	ug/l	98
15) Acrylonitrile	4.99	53	443027	240.575	ug/l	99
16) Acetone	3.82	43	348869	197.609	ug/l	99
17) Carbon Disulfide	4.05	76	408461	47.474	ug/l	100
18) Methyl Acetate	4.33	43	171354	43.081	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	494952	47.711	ug/l	99
20) Methylene Chloride	4.55	84	178780	46.339	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	168280	48.896	ug/l	98
22) Diisopropyl ether	5.96	45	538546	48.457	ug/l	99
23) Vinyl Acetate	5.90	43	2120246	235.421	ug/l	100
24) 1,1-Dichloroethane	5.85	63	307097	47.659	ug/l	99
25) 2-Butanone	6.84	43	579440	224.493	ug/l	99
26) 2,2-Dichloropropane	6.83	77	207432	44.646	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	193308	48.813	ug/l	99
28) Bromochloromethane	7.19	49	152014	50.176	ug/l	100
29) Tetrahydrofuran	7.21	42	403164	239.484	ug/l	99
30) Chloroform	7.37	83	300930	46.670	ug/l	99
31) Cyclohexane	7.65	56	289968	47.346	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	250264	49.077	ug/l	99
36) 1,1-Dichloropropene	7.79	75	233052	47.138	ug/l	99
37) Ethyl Acetate	6.93	43	222133	45.586	ug/l	99
38) Carbon Tetrachloride	7.78	117	218964	47.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288333	47.231	ug/l	99
40) Benzene	8.04	78	718793	47.449	ug/l	100
41) Methacrylonitrile	7.18	41	95961m	44.832	ug/l	
42) 1,2-Dichloroethane	8.12	62	225193	47.035	ug/l	100
43) Isopropyl Acetate	8.17	43	357042	46.608	ug/l	100
44) Trichloroethene	8.83	130	192026	46.679	ug/l	99
45) 1,2-Dichloropropane	9.12	63	191631	47.607	ug/l	98
46) Dibromomethane	9.21	93	121514	48.713	ug/l	99
47) Bromodichloromethane	9.40	83	230046	48.531	ug/l	97
48) Methyl methacrylate	9.20	41	179844	48.545	ug/l	99
49) 1,4-Dioxane	9.20	88	60307	793.336	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1193674	240.583	ug/l	100
52) Toluene	10.16	92	443183	49.261	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	247676	50.081	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	280461	48.870	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	176930	46.888	ug/l	100
56) Ethyl methacrylate	10.43	69	275649	50.769	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298125	48.374	ug/l	99
59) 2-Hexanone	10.75	43	863096	242.435	ug/l	99
60) Dibromochloromethane	10.90	129	187409	50.500	ug/l	99
61) 1,2-Dibromoethane	11.00	107	185793	49.544	ug/l	100
64) Tetrachloroethene	10.63	164	185039	44.377	ug/l	98
65) Chlorobenzene	11.43	112	470677	47.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171925	47.249	ug/l	97
67) Ethyl Benzene	11.51	91	837431	48.217	ug/l	100
68) m/p-Xylenes	11.62	106	626466	96.516	ug/l	100
69) o-Xylene	11.95	106	299165	46.882	ug/l	98
70) Stvrene	11.96	104	516911	50.105	ug/l	99
71) Bromoform	12.13	173	138838	50.148	ug/l #	97
73) Isopropylbenzene	12.25	105	796796	43.847	ug/l	100
74) N-amyl acetate	12.07	43	284501	42.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	257522	48.895	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	208961m	42.391	ug/l	
77) Bromobenzene	12.53	156	212179	44.640	ug/l	98
78) n-propylbenzene	12.59	91	906162	44.916	ug/l	100
79) 2-Chlorotoluene	12.67	91	535522	47.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	670340	43.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	74130	46.444	ug/l	98
82) 4-Chlorotoluene	12.77	91	535673	45.245	ug/l	100
83) tert-Butylbenzene	12.99	119	576438	47.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	677765	45.045	ug/l	100
85) sec-Butylbenzene	13.17	105	764467	44.669	ug/l	100
86) p-Isopropyltoluene	13.29	119	693427	44.727	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	353373	45.365	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	347220	45.825	ug/l	99
89) n-Butylbenzene	13.61	91	592067	47.410	ug/l	99
90) Hexachloroethane	13.87	117	112387	44.827	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	352649	44.265	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44910	46.088	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	198268	45.413	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	115628	46.095	ug/l	98
95) Naphthalene	15.13	128	541610	45.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	205321	47.186	ug/l	100

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

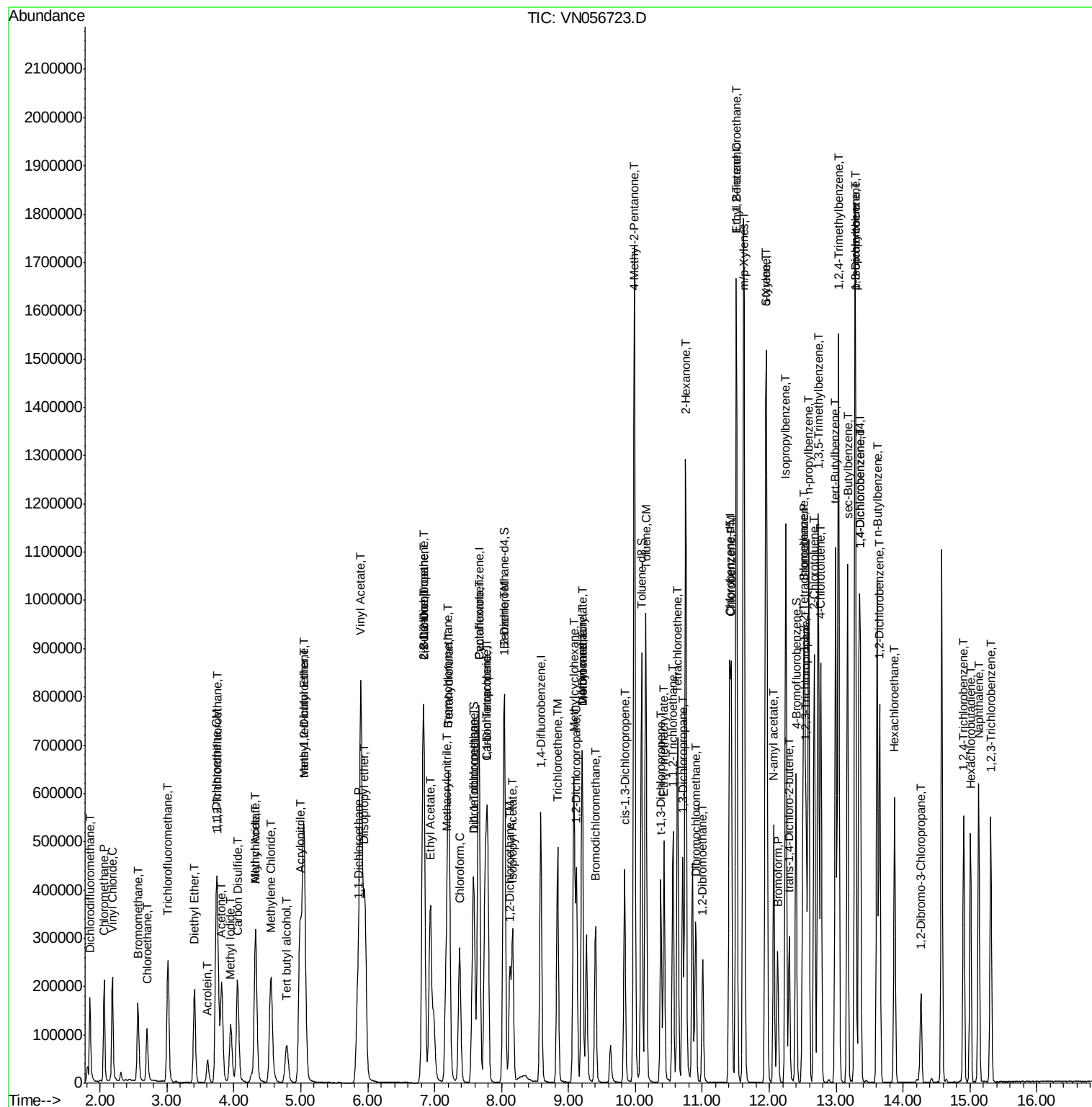
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Data File : VN056723.D
Acq On : 15 Jul 2019 19:32
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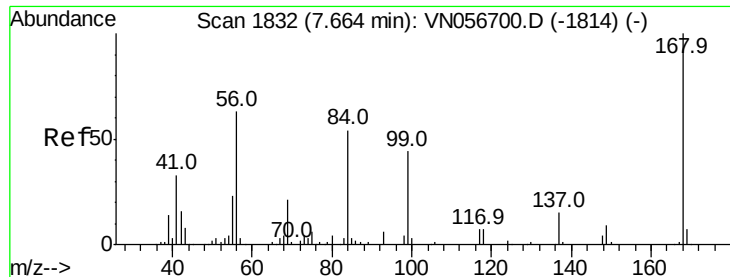
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion:168 Resp: 346347

Ion Ratio Lower Upper

168 100

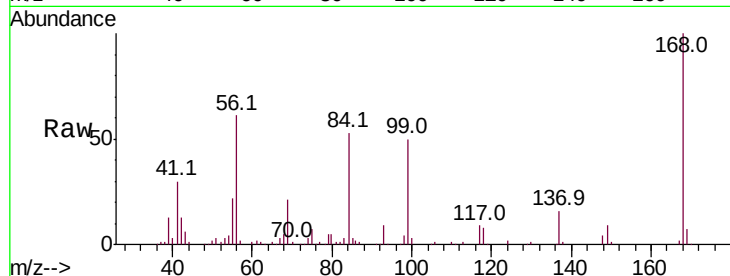
99 49.6 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

0

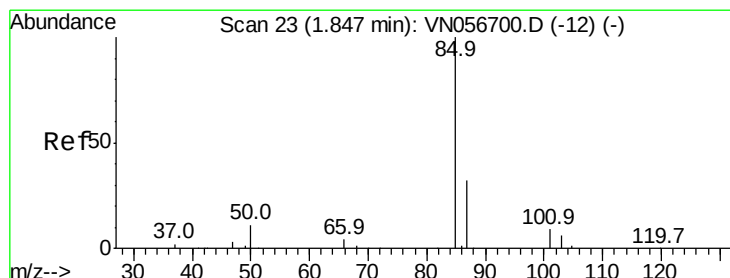
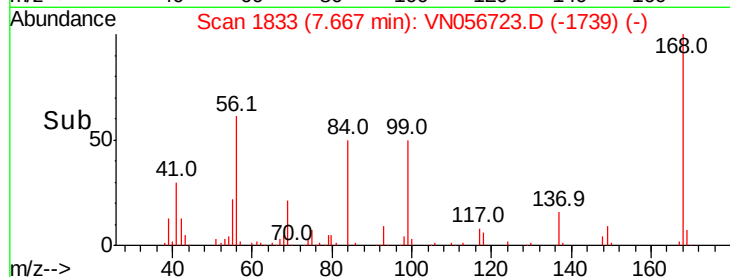
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.020 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056723.D

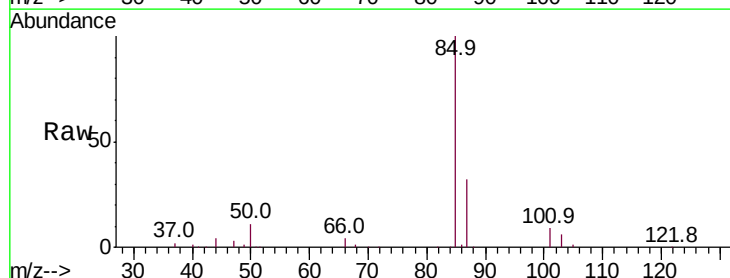
Acq: 15 Jul 2019 19:32

Tgt Ion: 85 Resp: 149664

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

20000

0

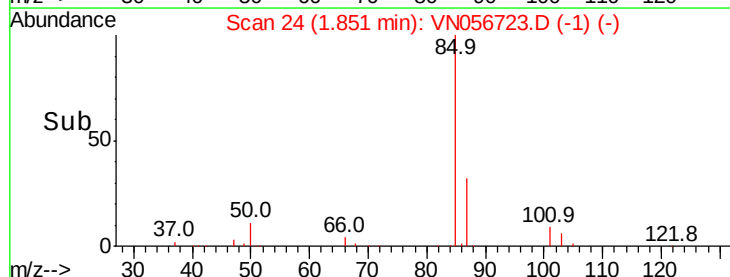
1.85

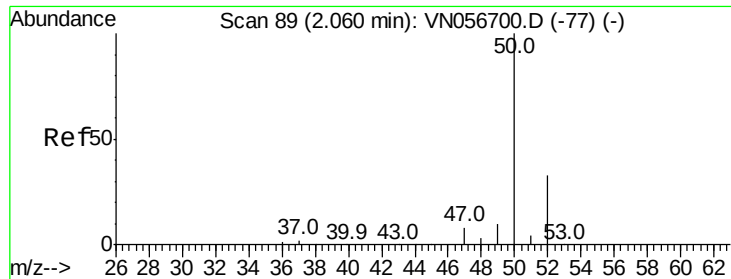
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 44.347 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 193903

Ion Ratio Lower Upper

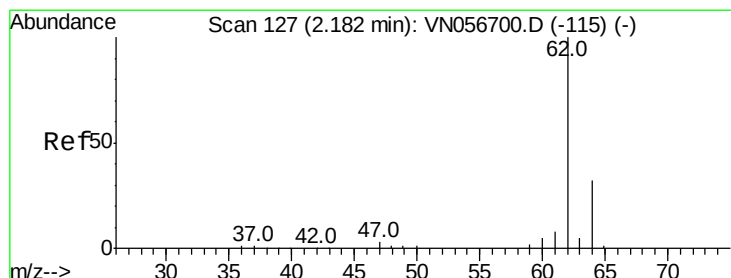
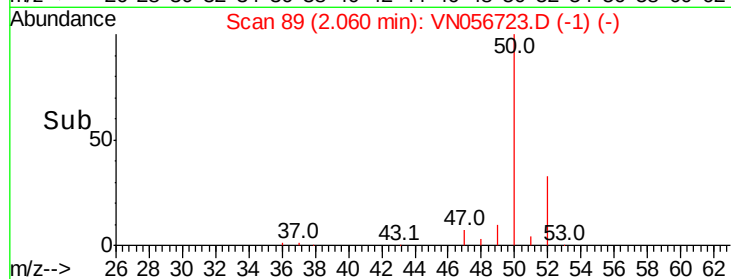
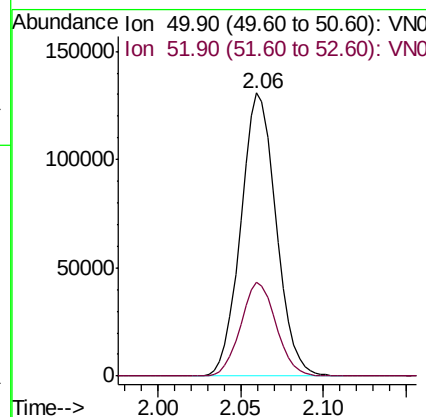
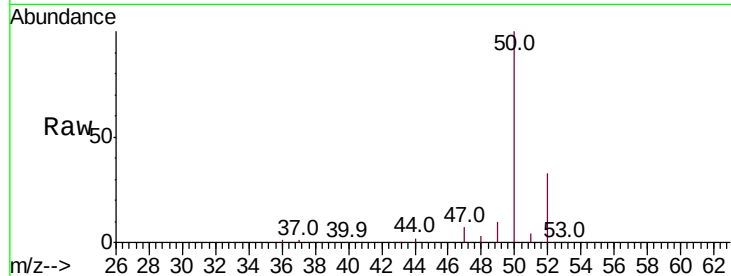
50 100

52 33.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 46.956 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056723.D

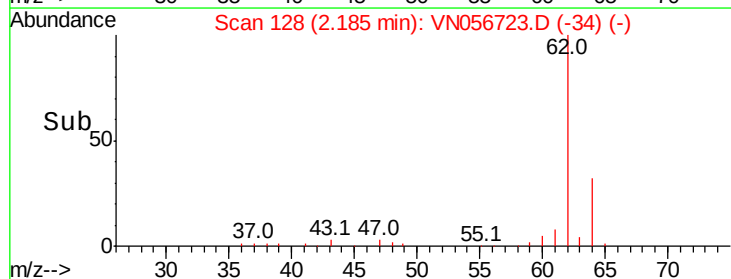
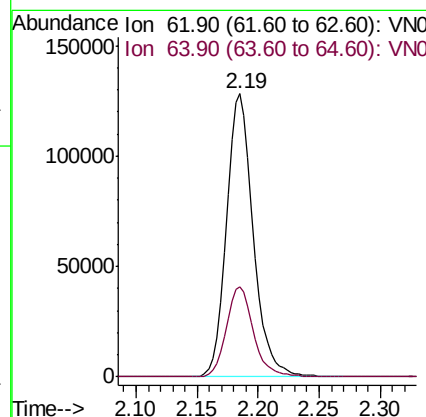
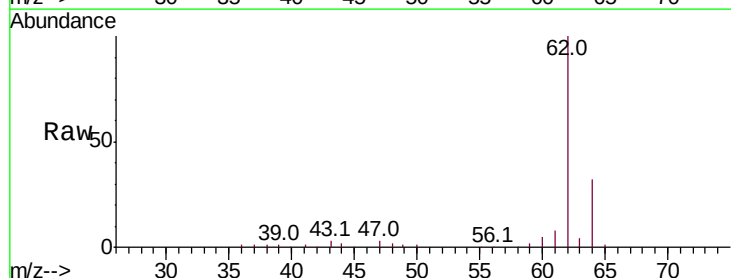
Acq: 15 Jul 2019 19:32

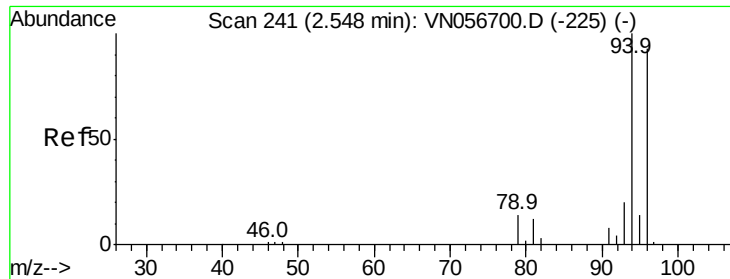
Tgt Ion: 62 Resp: 197711

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 48.570 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

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Tot Ion: 94 Resp: 120261

Ion Ratio Lower Upper

94 100

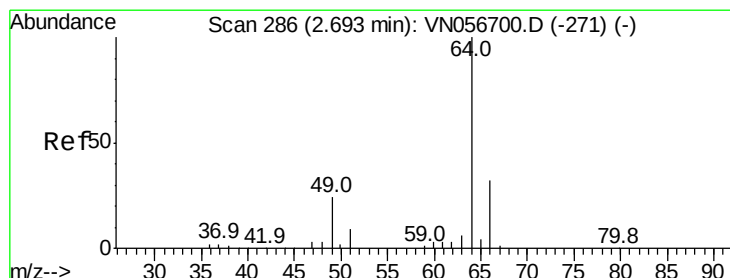
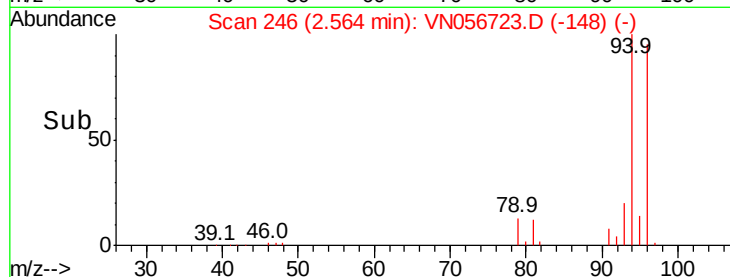
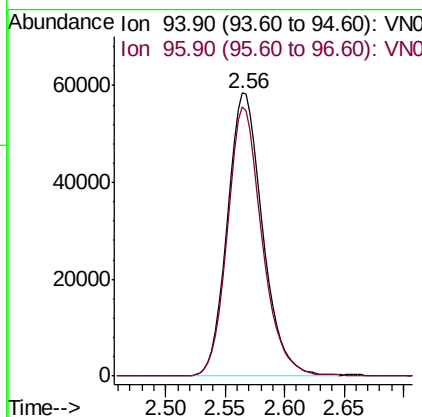
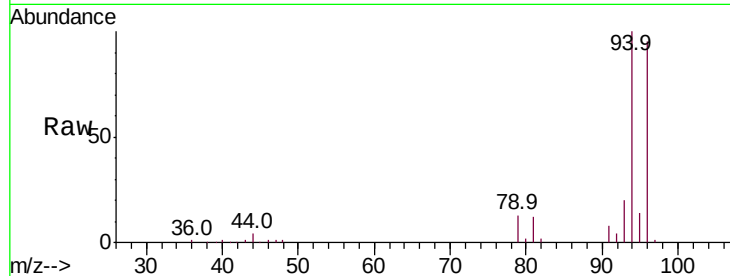
96 95.3 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 45.821 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN056723.D

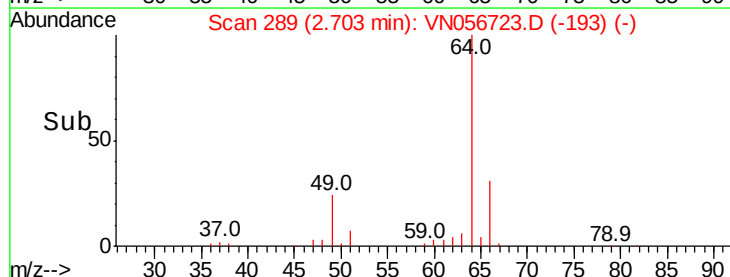
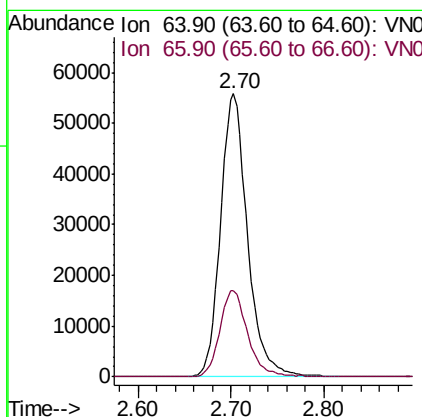
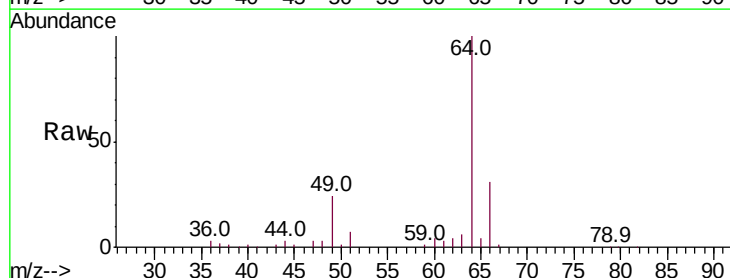
Acq: 15 Jul 2019 19:32

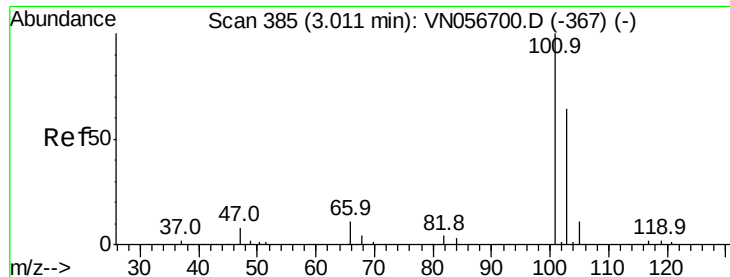
Tgt Ion: 64 Resp: 112425

Ion Ratio Lower Upper

64 100

66 30.5 25.8 38.8





#7

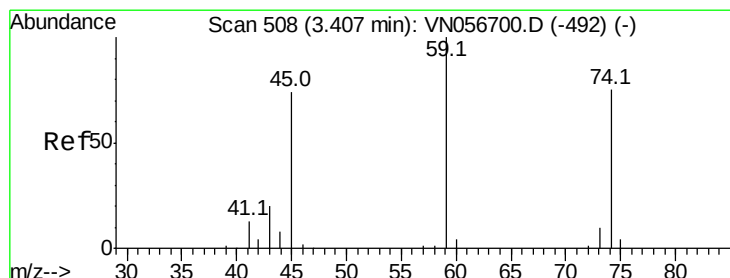
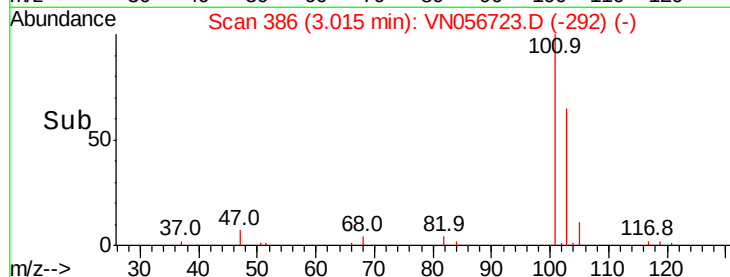
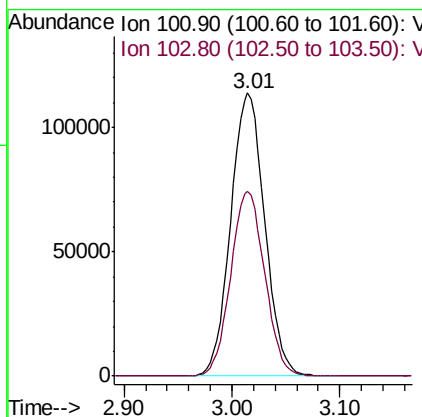
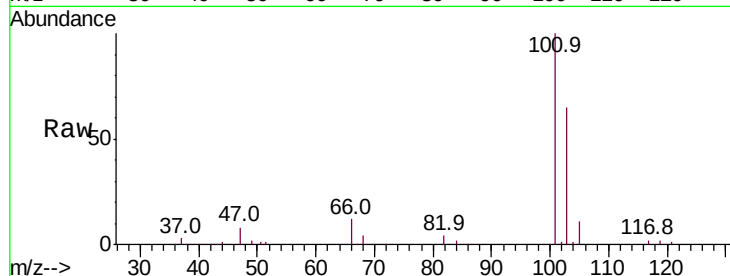
Trichlorofluoromethane
 Concen: 46.044 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056723.D
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Tot Ion:101 Resp: 248764
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3

Manual Integrations
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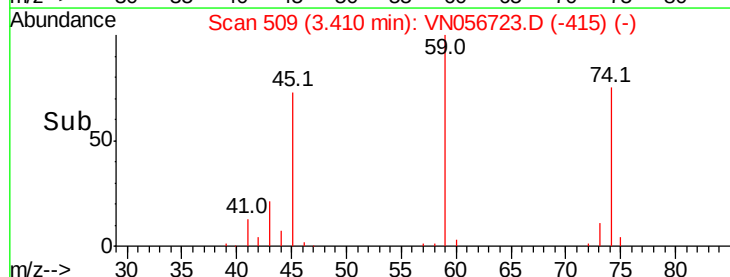
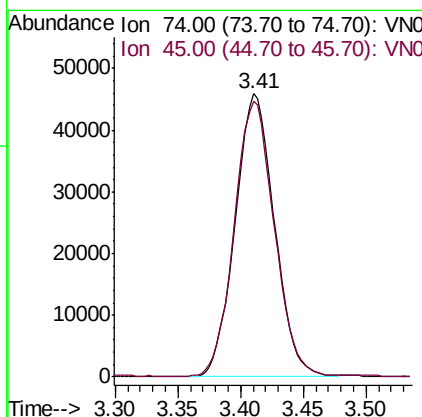
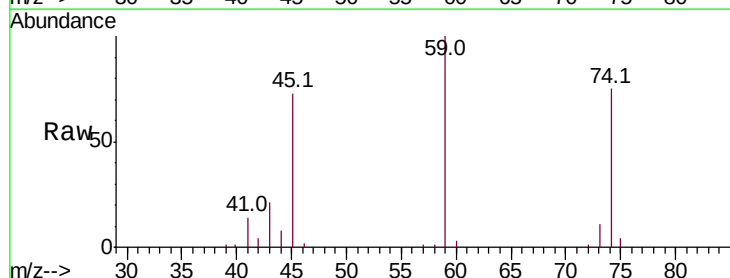
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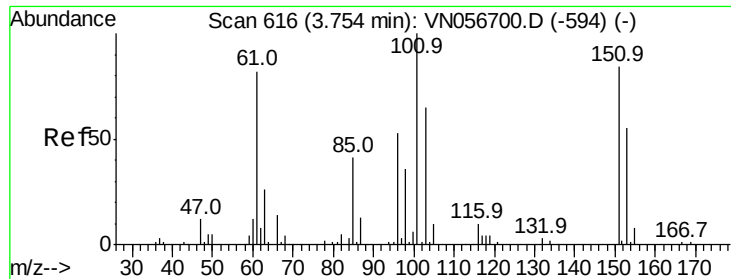


#8

Diethyl Ether
 Concen: 47.539 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056723.D
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Tgt Ion: 74 Resp: 100136
 Ion Ratio Lower Upper
 74 100
 45 99.5 49.4 148.2





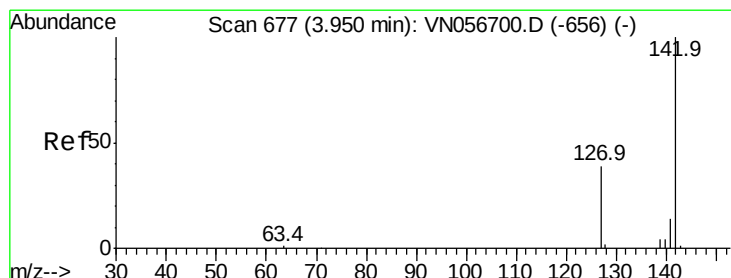
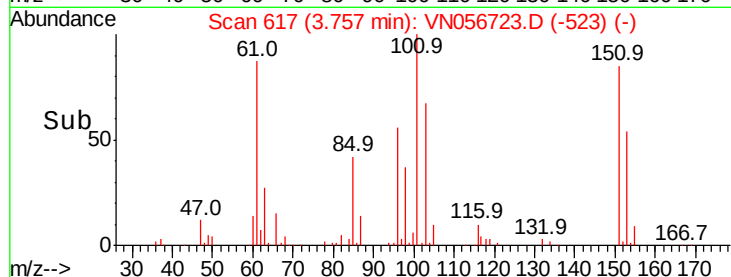
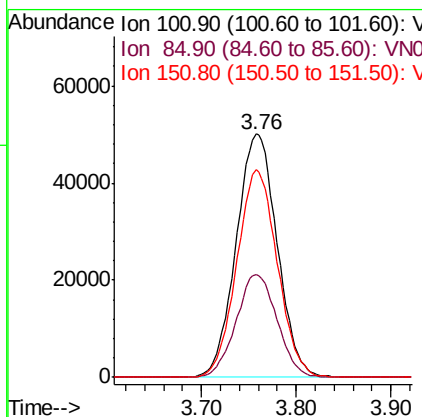
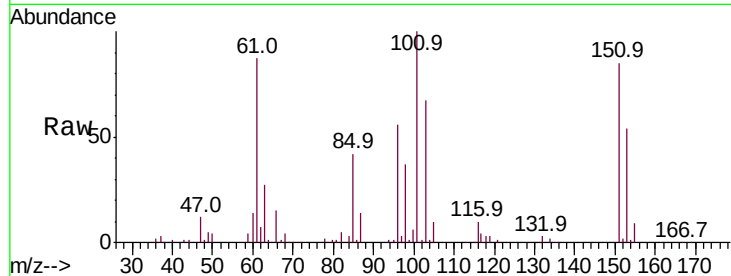
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.435 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	150725		
85	42.2	33.3	49.9	
151	84.5	67.0	100.6	

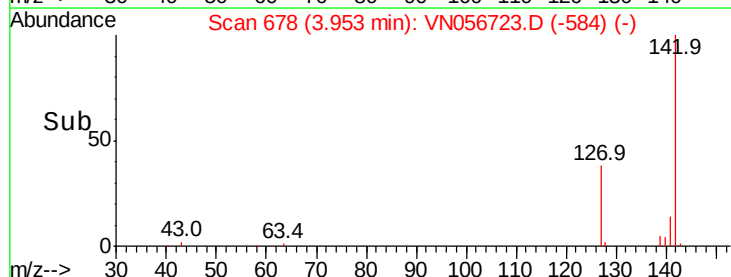
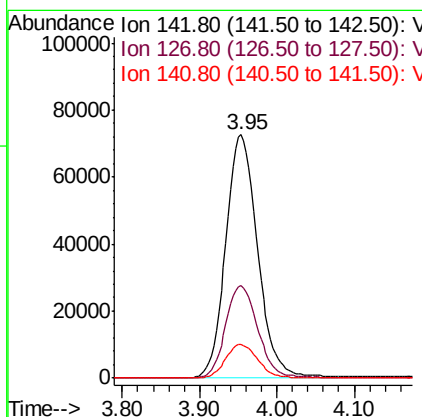
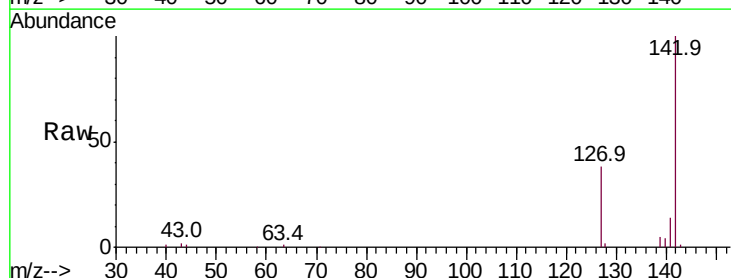
Manual Integrations
 APPROVED

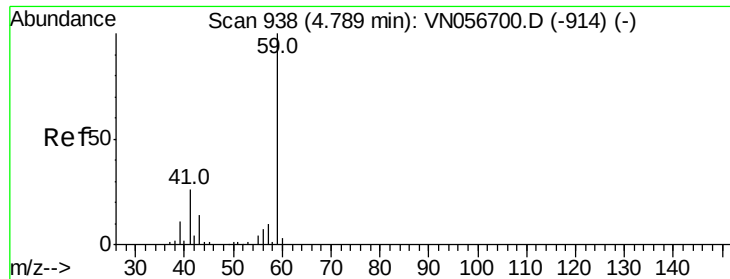
MMDadoda
 7/17/2019 1:31:41 AM



#10
 Methyl Iodide
 Concen: 48.035 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	208551		
127	38.3	30.7	46.1	
141	14.0	11.3	16.9	





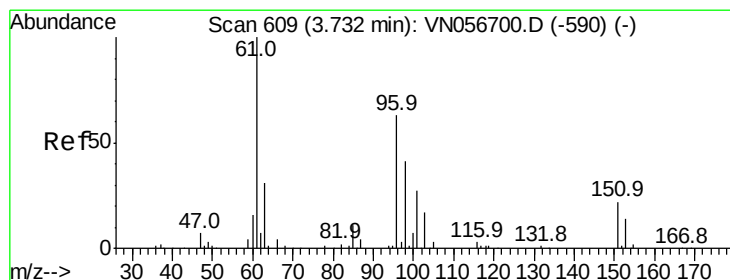
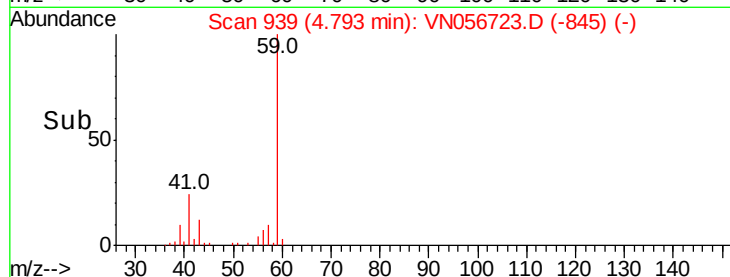
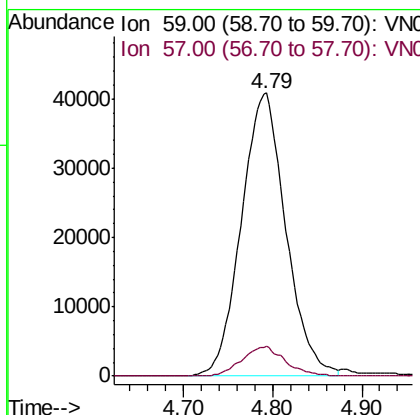
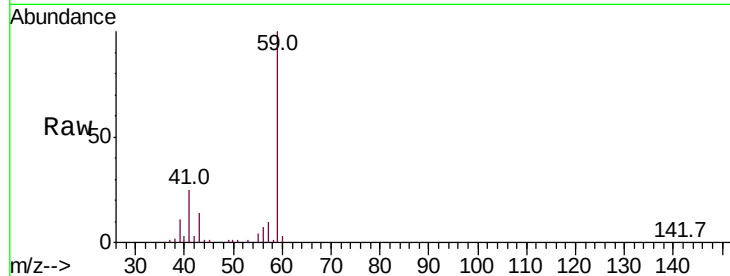
#11
Tert butyl alcohol
Concen: 222.198 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	59	57	Ratio	100	10.1	Resp	141692	Lower	8.0	Upper	12.0
Ion	59	57	Ratio	100	10.1	Resp	141692	Lower	8.0	Upper	12.0

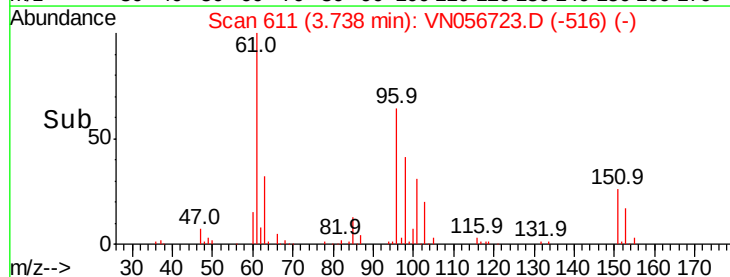
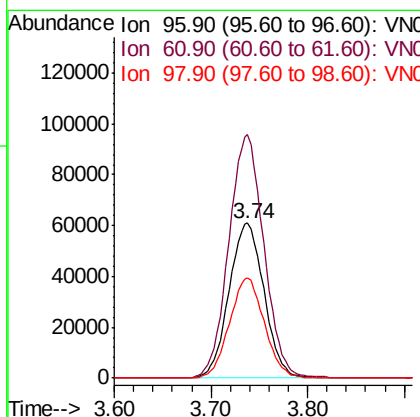
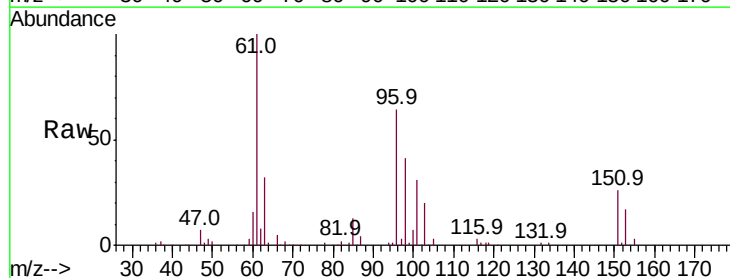
Manual Integrations
APPROVED

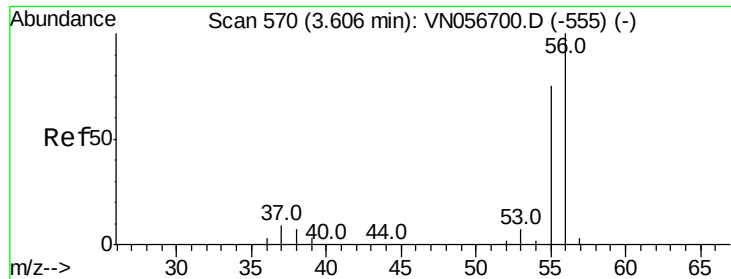
MMDadoda
7/17/2019 1:31:41 AM



#12
1,1-Dichloroethene
Concen: 47.204 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	96	61	98	Ratio	100	156.9	64.8	Resp	153690	Lower	126.6	Upper	189.8	77.2
Ion	96	61	98	Ratio	100	156.9	64.8	Resp	153690	Lower	126.6	Upper	189.8	77.2





#13

Acrolein

Concen: 253.880 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 56 Resp: 55333

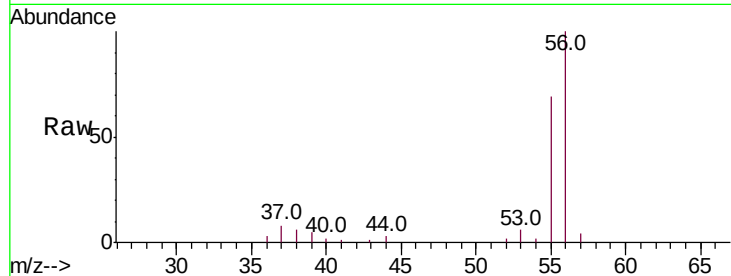
Ion Ratio Lower Upper

56 100

55 70.5 58.0 87.0

Manual Integrations
APPROVED

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7/17/2019 1:31:41 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

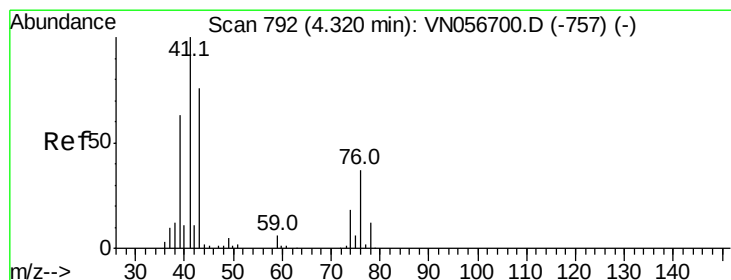
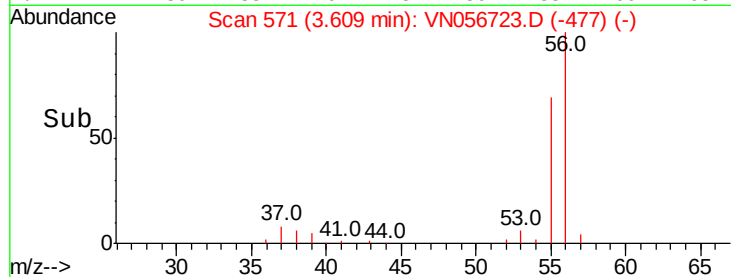
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 46.744 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

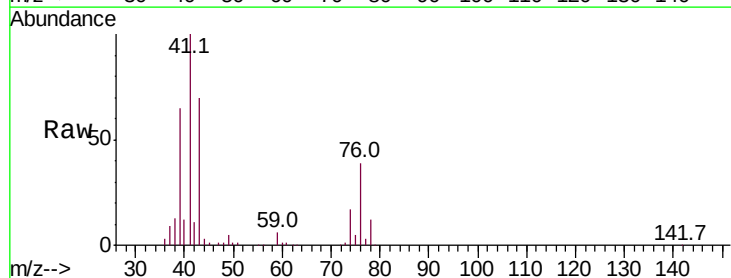
Tgt Ion: 41 Resp: 263196

Ion Ratio Lower Upper

41 100

39 60.1 46.9 70.3

76 34.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

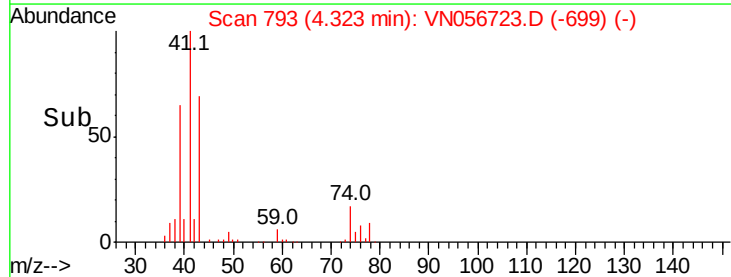
40000

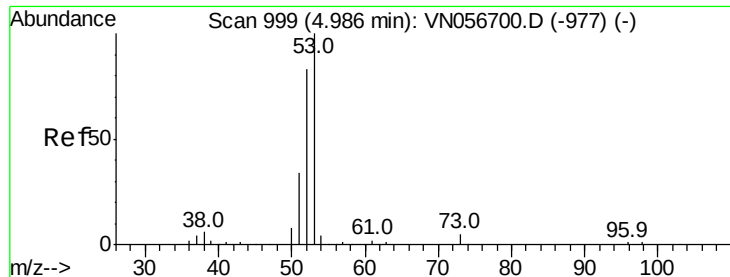
20000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 240.575 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

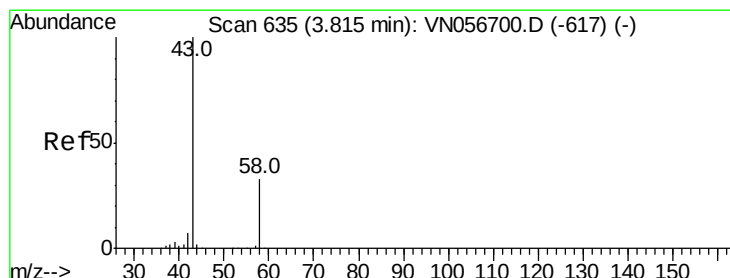
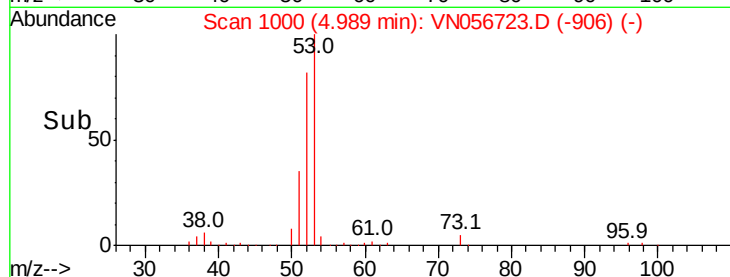
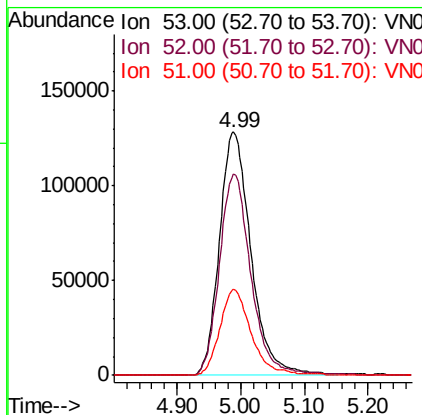
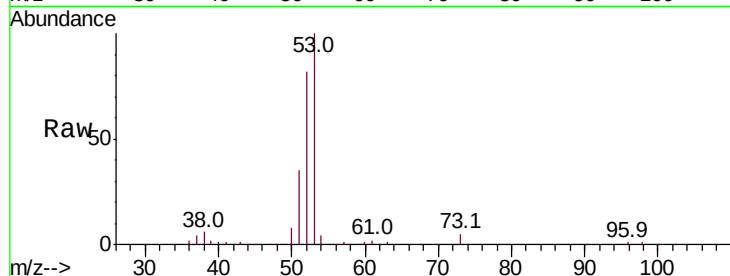
ClientSampleId :

SA-TW532-2126MSD

Tot Ion:	53	Resp:	443027
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.6	99.8
51	35.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 197.609 ug/l

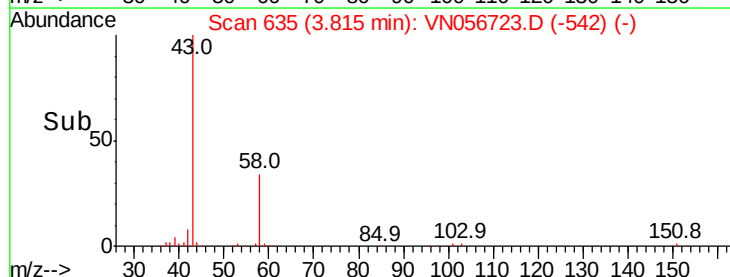
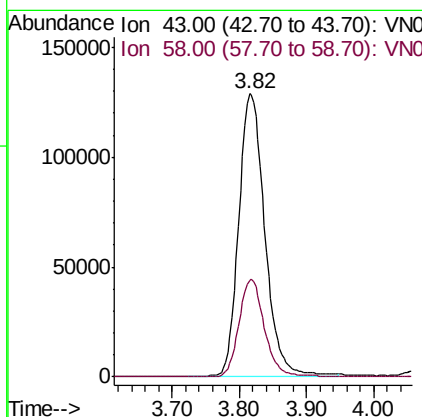
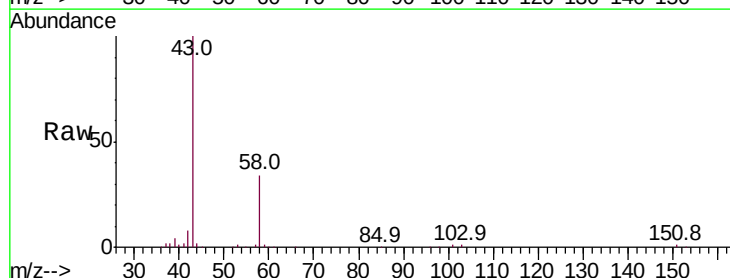
RT: 3.82 min Scan# 635

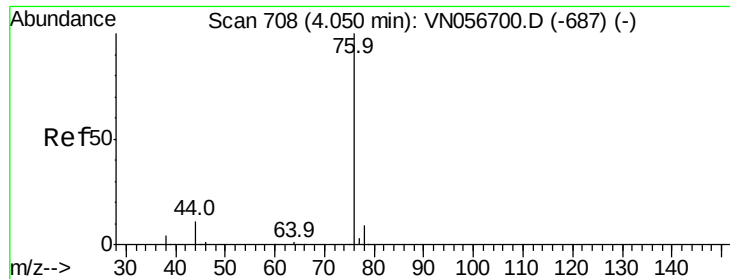
Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Tgt Ion:	43	Resp:	348869
Ion Ratio	Lower	Upper	
43	100		
58	34.2	26.7	40.1





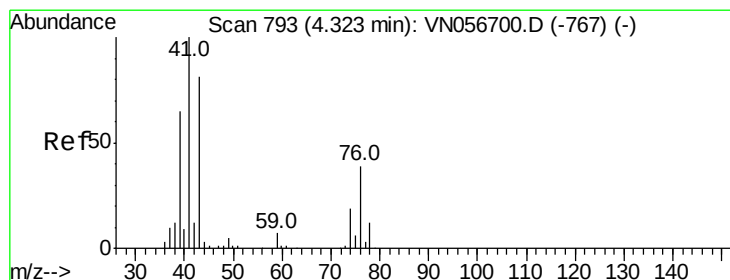
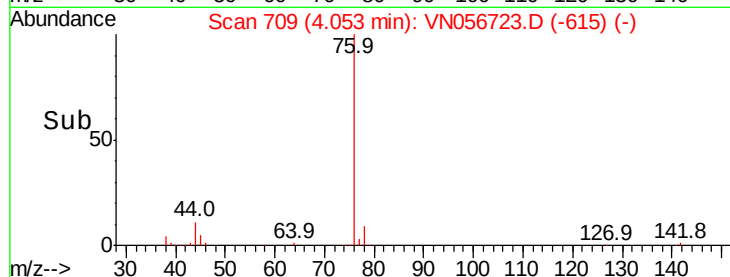
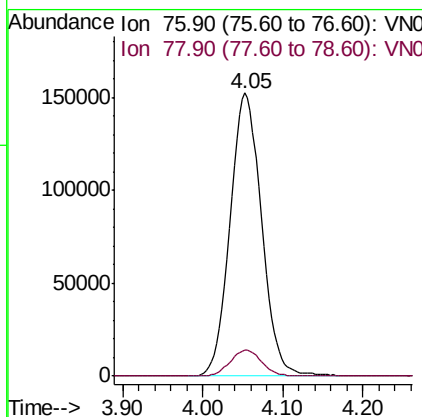
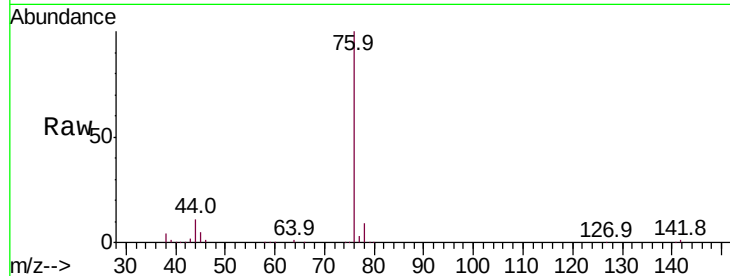
#17
Carbon Disulfide
Concen: 47.474 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 76 Resp: 408461
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

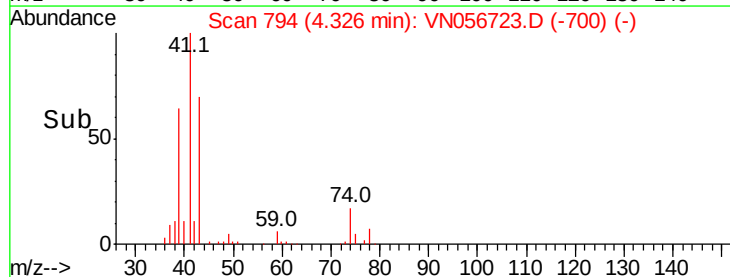
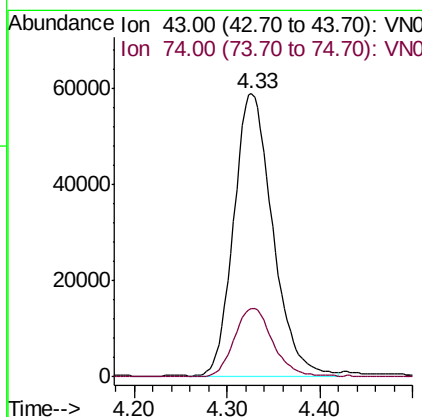
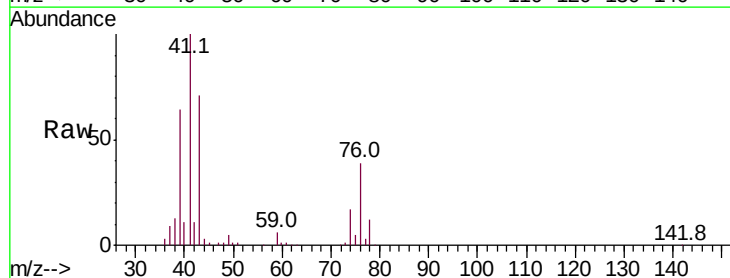
Manual Integrations
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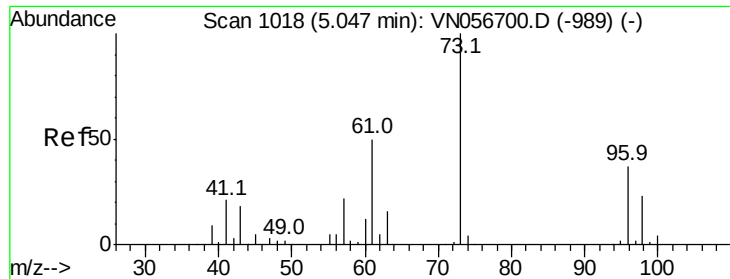
MMDadoda
7/17/2019 1:31:41 AM



#18
Methyl Acetate
Concen: 43.081 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 43 Resp: 171354
Ion Ratio Lower Upper
43 100
74 24.2 18.9 28.3





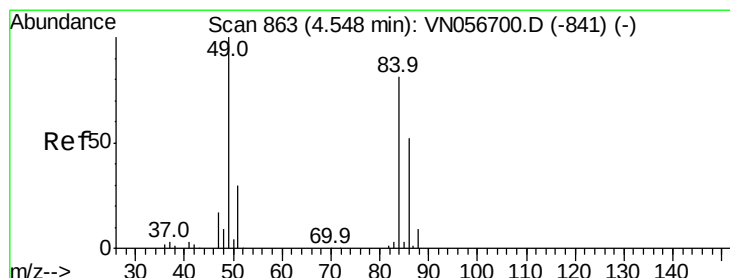
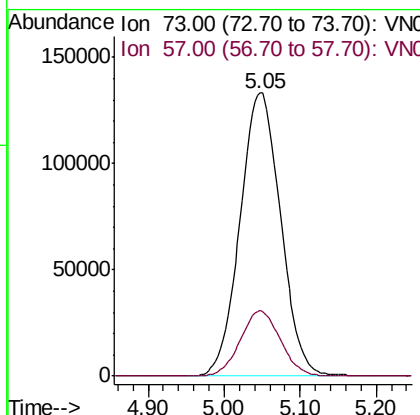
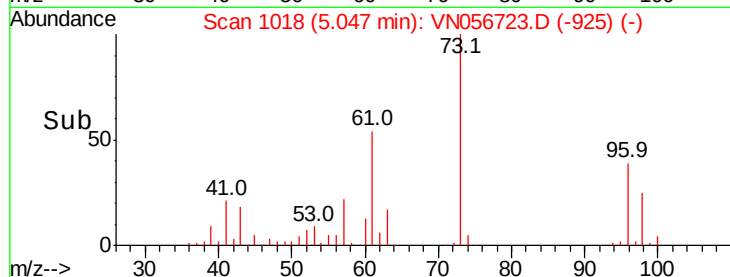
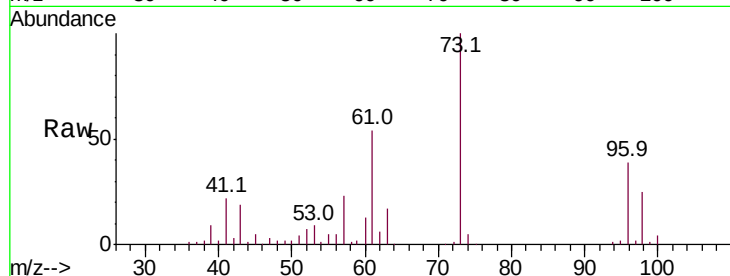
#19
Methyl tert-butyl Ether
Concen: 47.711 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 73 Resp: 494952
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

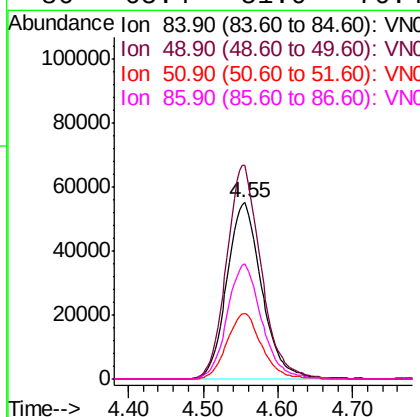
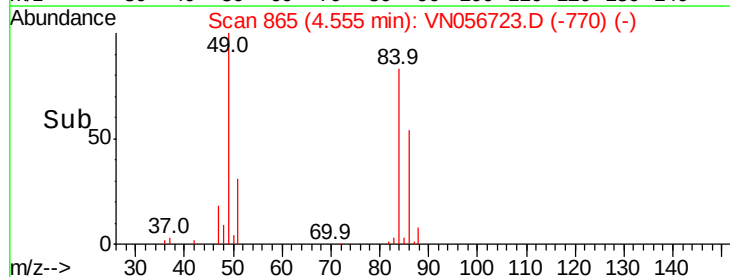
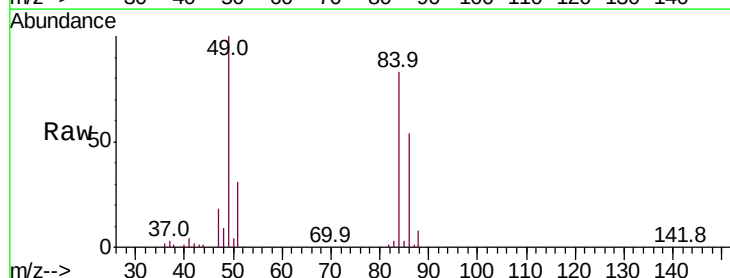
Manual Integrations
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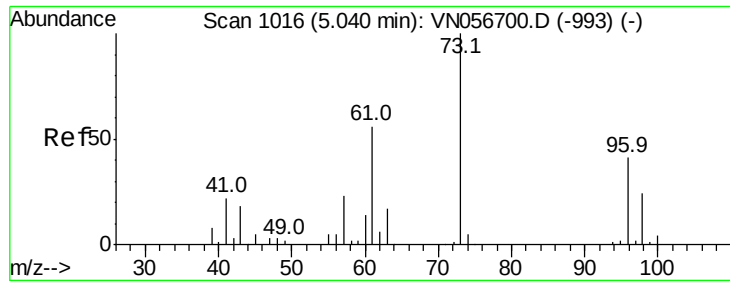
MMDadoda
7/17/2019 1:31:41 AM



#20
Methylene Chloride
Concen: 46.339 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 84 Resp: 178780
Ion Ratio Lower Upper
84 100
49 121.1 98.2 147.4
51 37.1 29.6 44.4
86 65.4 51.0 76.4





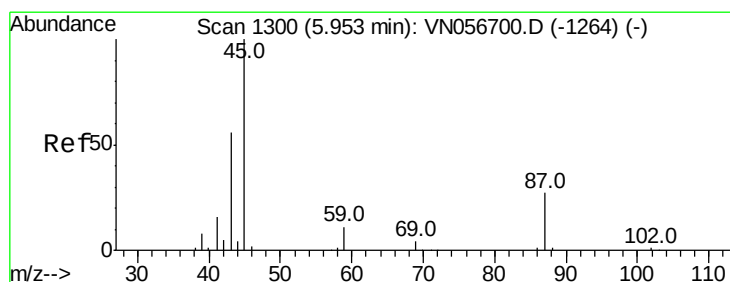
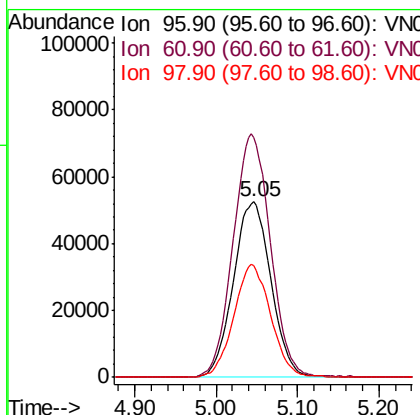
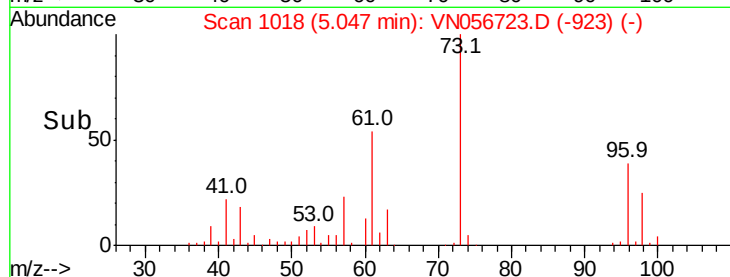
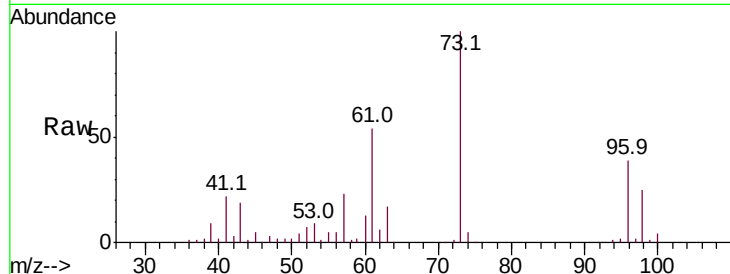
#21
trans-1,2-Dichloroethene
Concen: 48.896 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 96 Resp: 168280
Ion Ratio Lower Upper
96 100
61 137.2 109.4 164.2
98 63.5 48.0 72.0

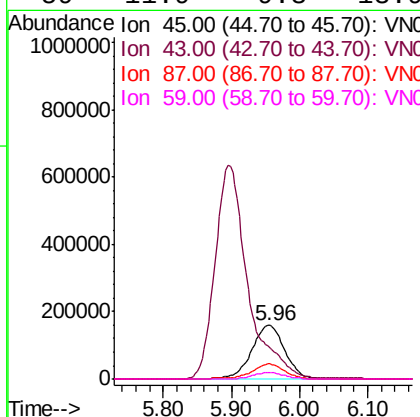
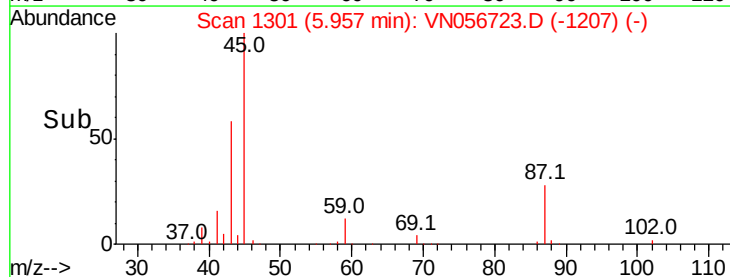
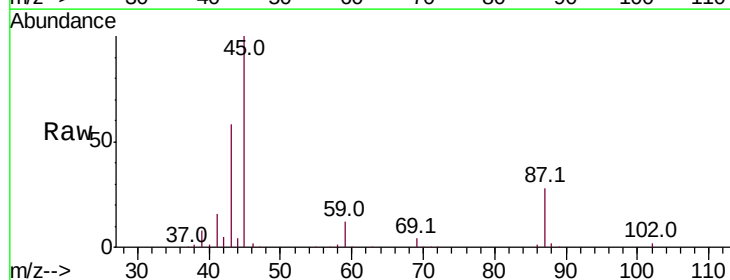
Manual Integrations
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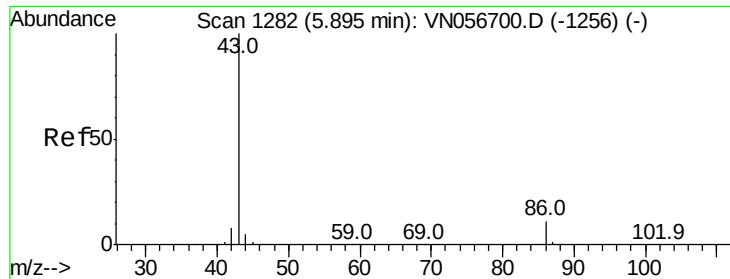
MMDadoda
7/17/2019 1:31:41 AM



#22
Diisopropyl ether
Concen: 48.457 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 45 Resp: 538546
Ion Ratio Lower Upper
45 100
43 56.1 45.6 68.4
87 27.4 22.0 33.0
59 11.9 9.3 13.9





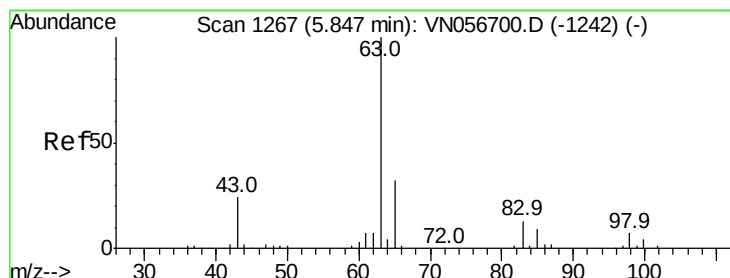
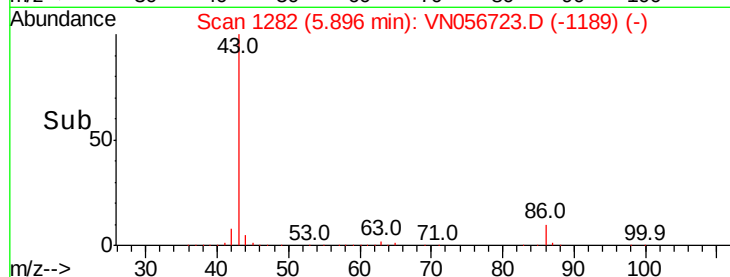
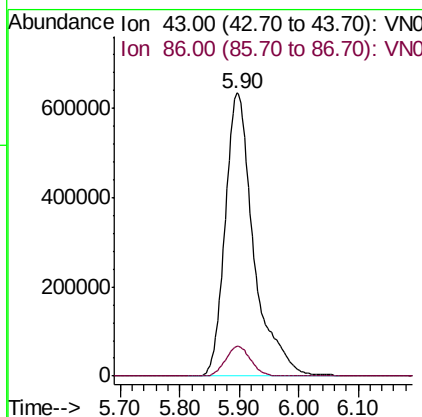
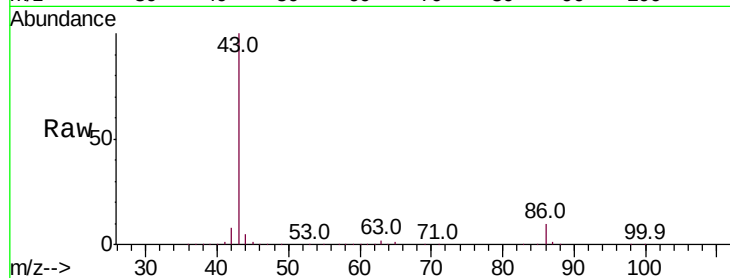
#23
Vinyl Acetate
Concen: 235.421 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 43 Resp: 2120246
Ion Ratio Lower Upper
43 100
86 10.5 8.5 12.7

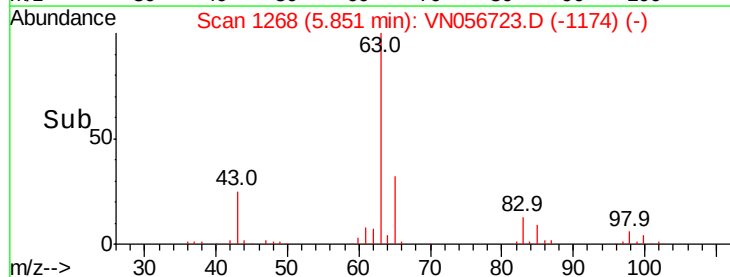
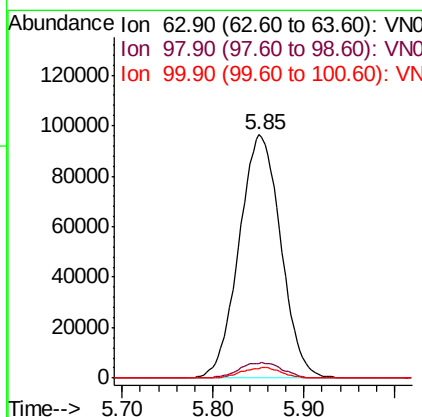
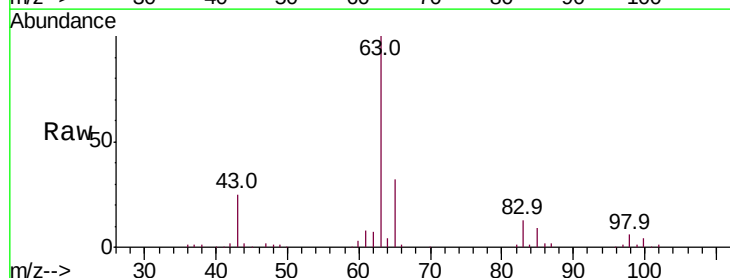
Manual Integrations
APPROVED

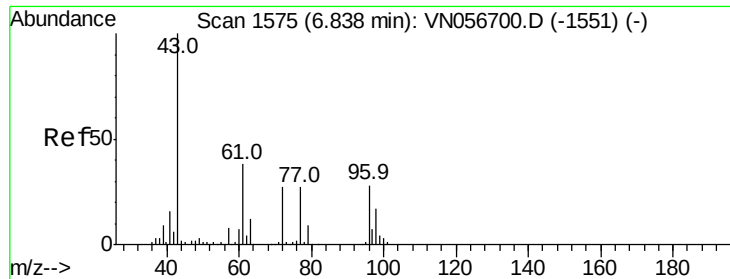
MMDadoda
7/17/2019 1:31:41 AM



#24
1,1-Dichloroethane
Concen: 47.659 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 63 Resp: 307097
Ion Ratio Lower Upper
63 100
98 6.2 3.3 9.9
100 4.1 2.0 5.8





#25

2-Butanone

Concen: 224.493 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 43 Resp: 579440

Ion Ratio Lower Upper

43 100

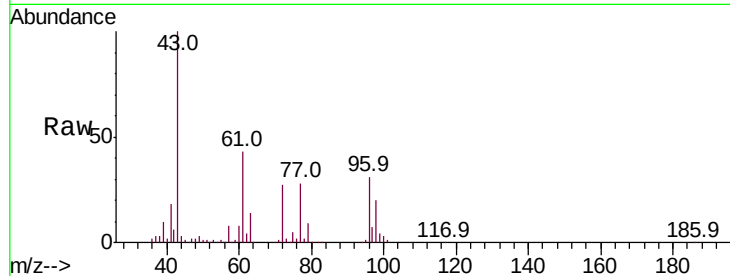
72 26.8 21.2 31.8

Manual Integrations

APPROVED

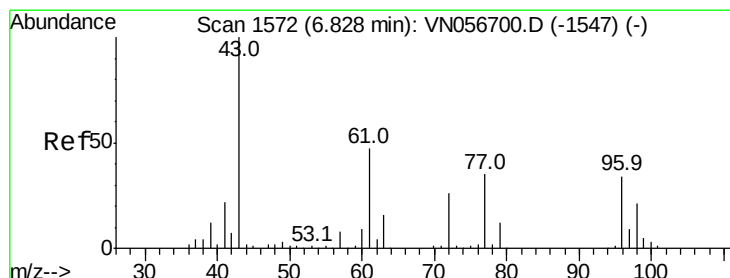
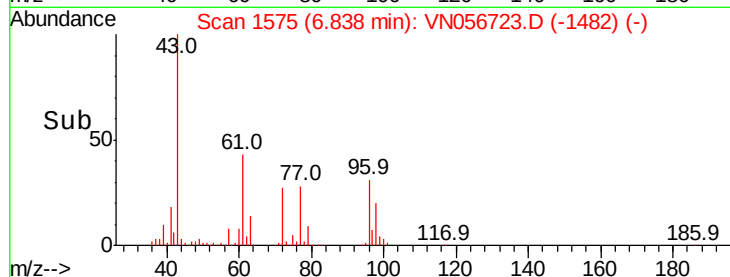
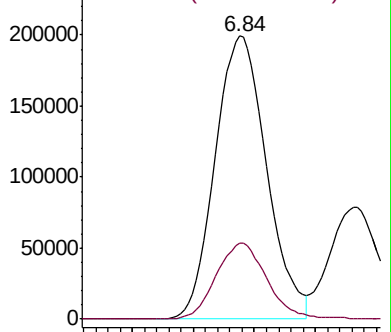
MMDadoda

7/17/2019 1:31:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.646 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056723.D

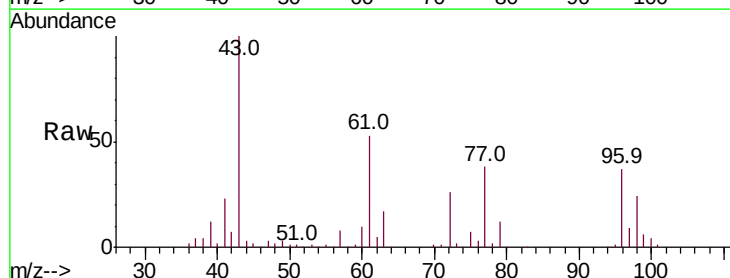
Acq: 15 Jul 2019 19:32

Tgt Ion: 77 Resp: 207432

Ion Ratio Lower Upper

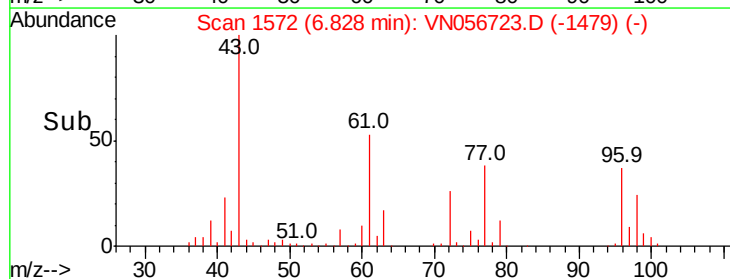
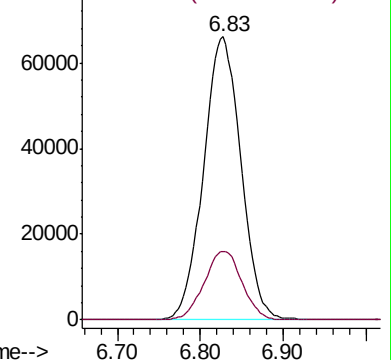
77 100

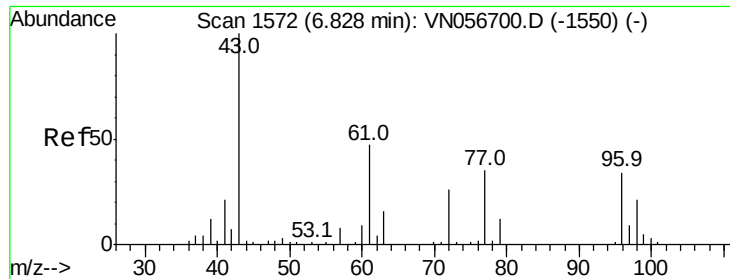
97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





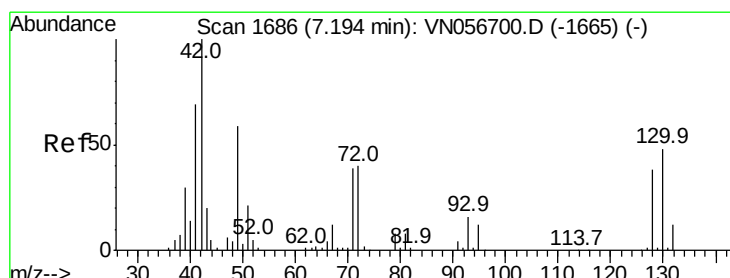
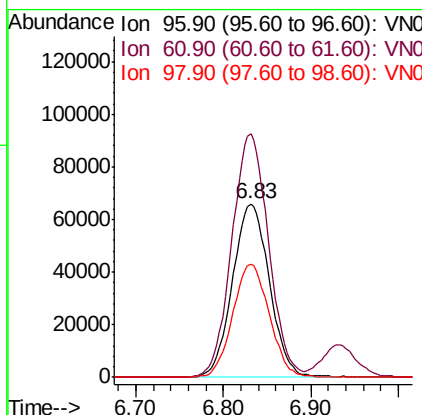
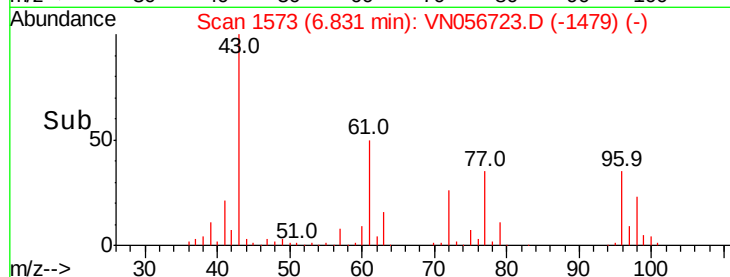
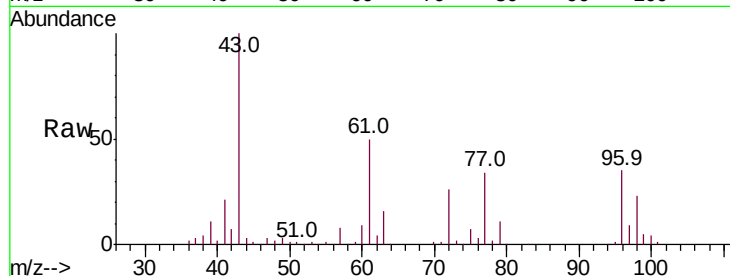
#27
 cis-1,2-Dichloroethene
 Concen: 48.813 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193308		
61	139.4	0.0	281.4	
98	64.6	0.0	127.8	

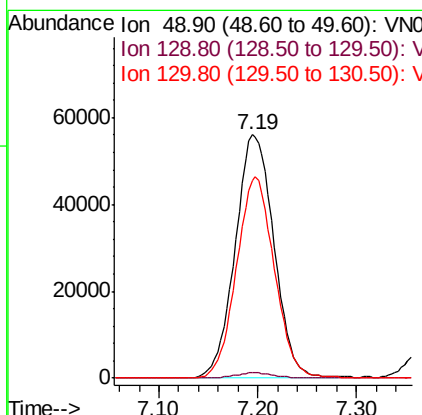
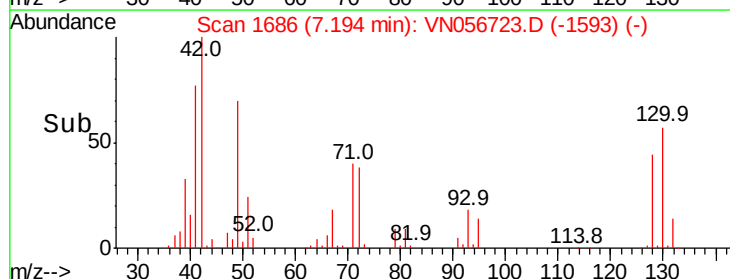
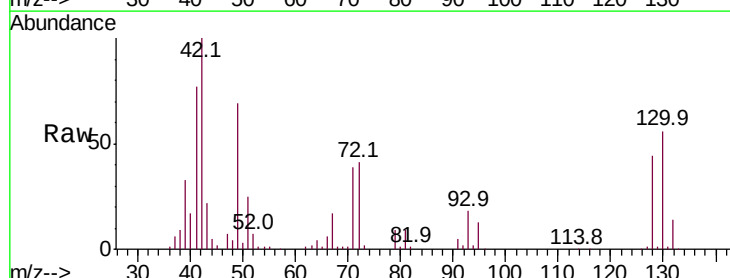
Manual Integrations
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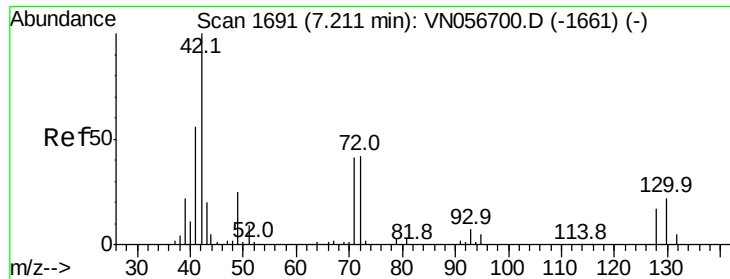
MMDadoda
 7/17/2019 1:31:41 AM



#28
 Bromochloromethane
 Concen: 50.176 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152014		
129	2.1	0.0	4.0	
130	81.0	64.7	97.1	





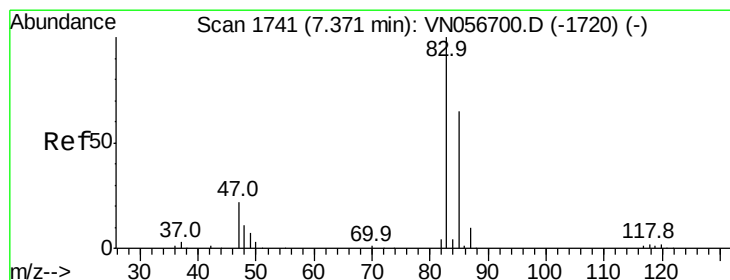
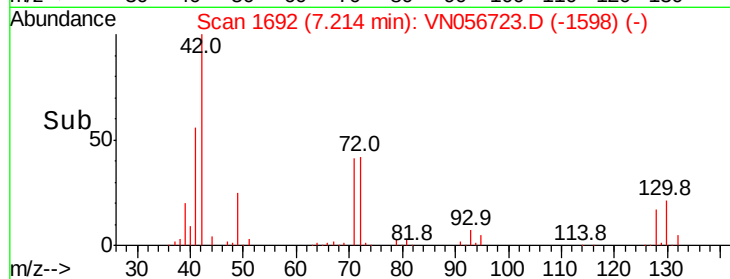
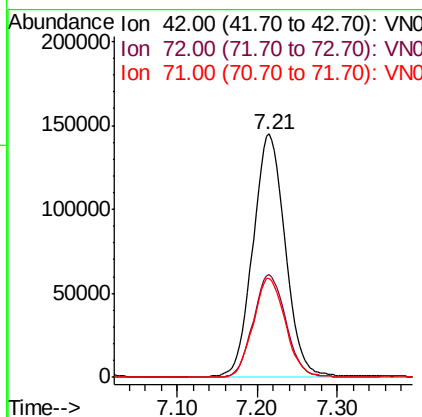
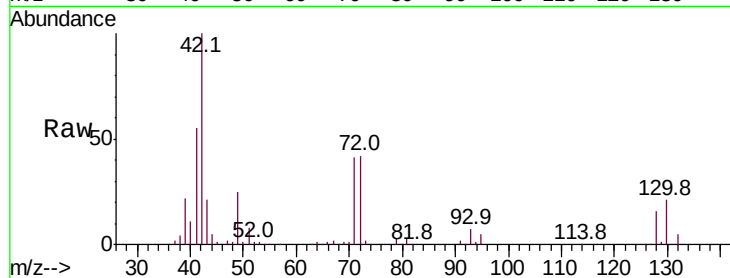
#29
Tetrahydrofuran
Concen: 239.484 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.5	50.3
71	40.7	31.8	47.8

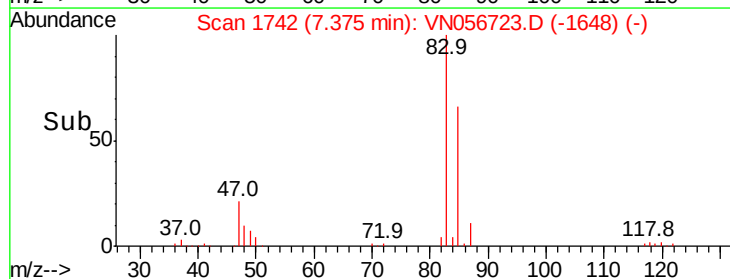
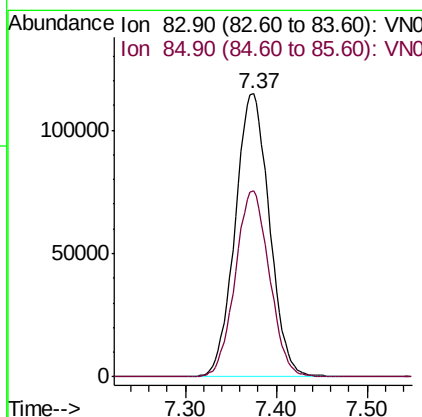
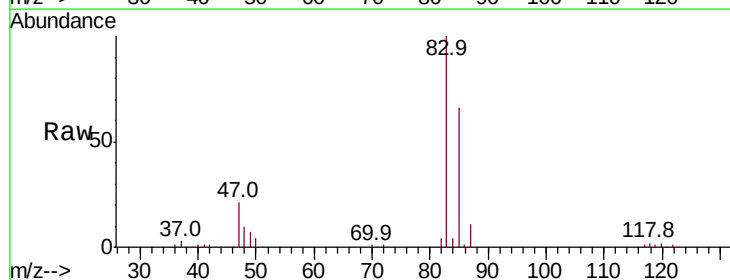
Manual Integrations
APPROVED

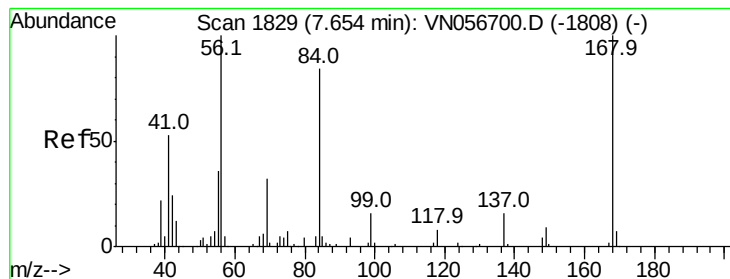
MMDadoda
7/17/2019 1:31:41 AM



#30
Chloroform
Concen: 46.670 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9





#31

Cyclohexane

Concen: 47.346 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 56 Resp: 289968

Ion Ratio Lower Upper

56 100

69 33.7 25.8 38.8

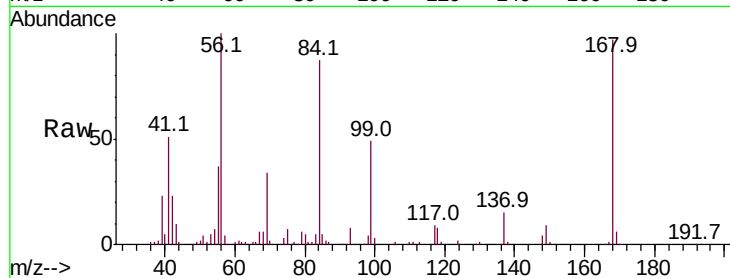
84 85.5 67.4 101.0

Manual Integrations

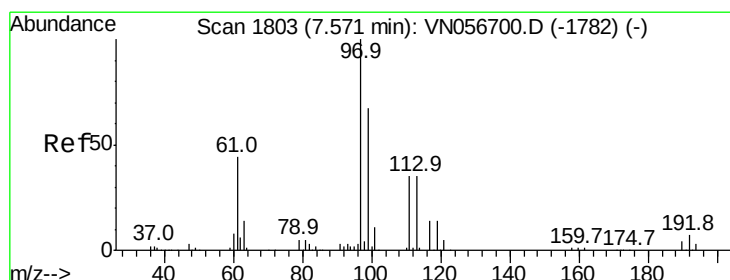
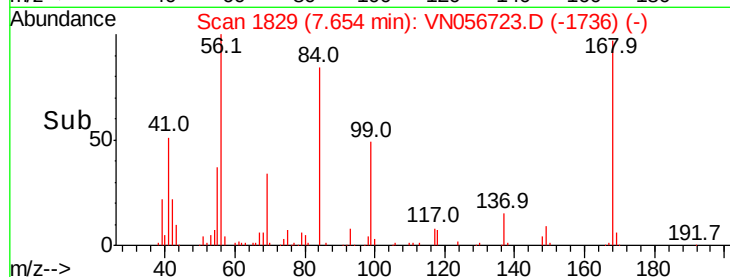
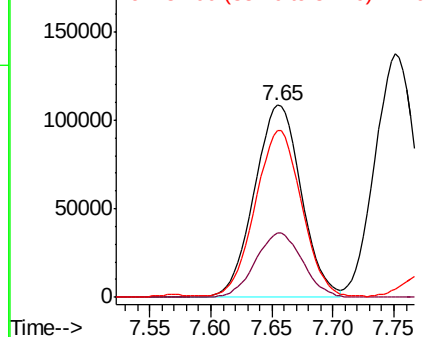
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.077 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

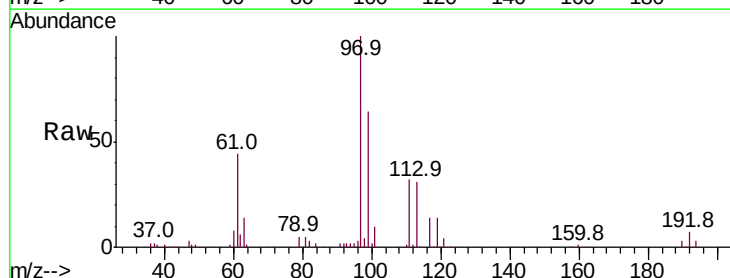
Tgt Ion: 97 Resp: 250264

Ion Ratio Lower Upper

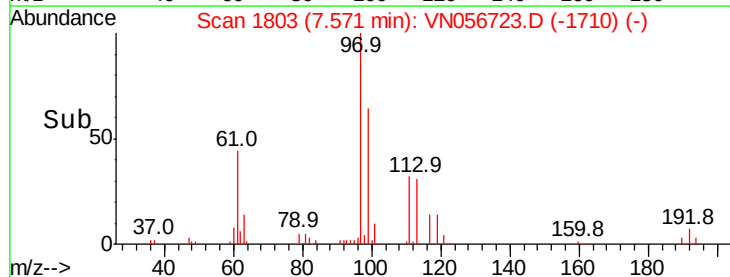
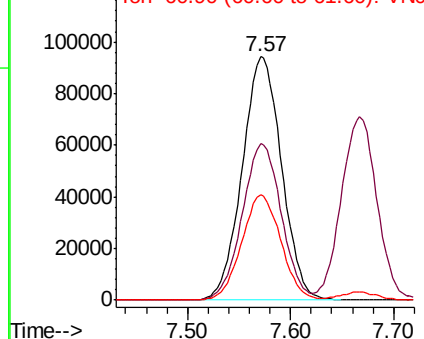
97 100

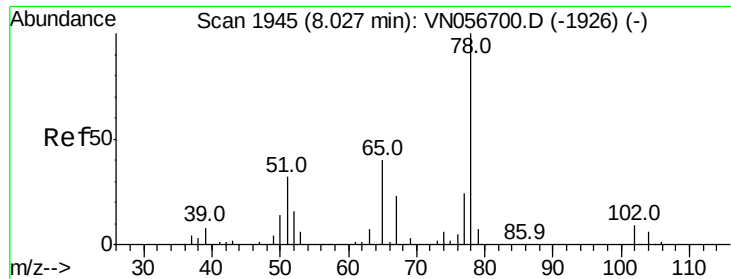
99 63.9 52.0 78.0

61 43.0 34.3 51.5



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





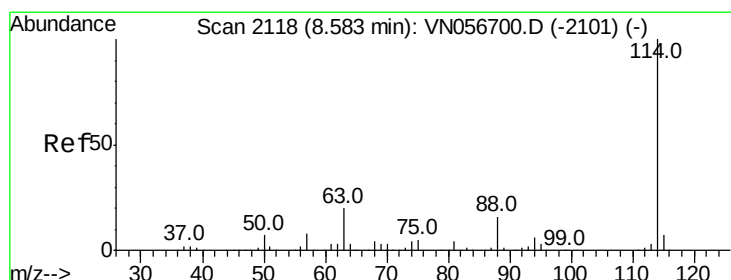
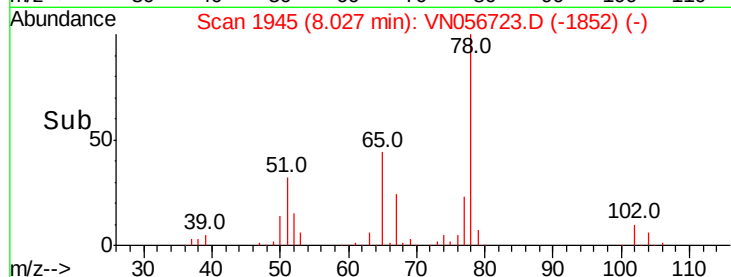
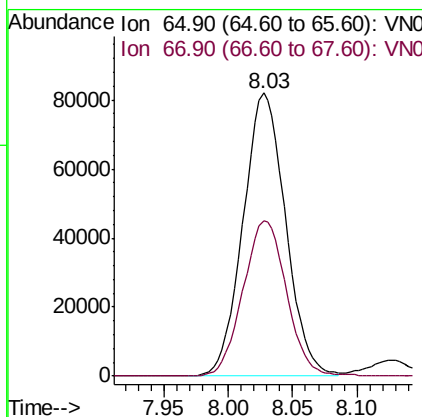
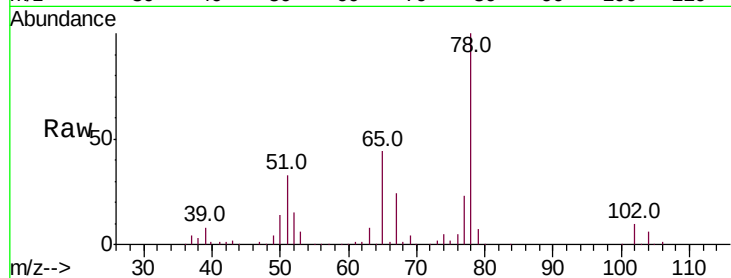
#33
 1,2-Dichloroethane-d4
 Concen: 49.210 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188529		
67	56.3	0.0	109.0	

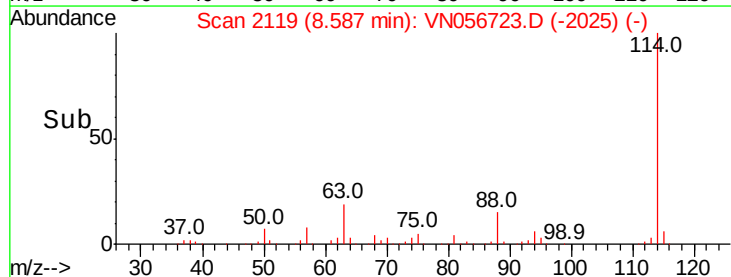
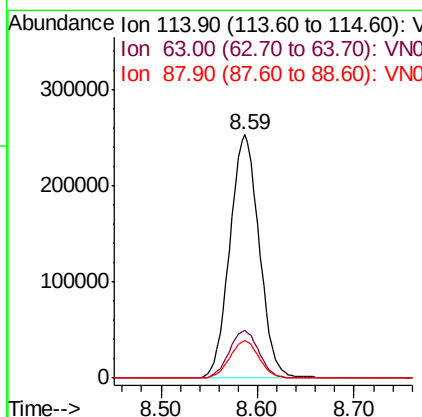
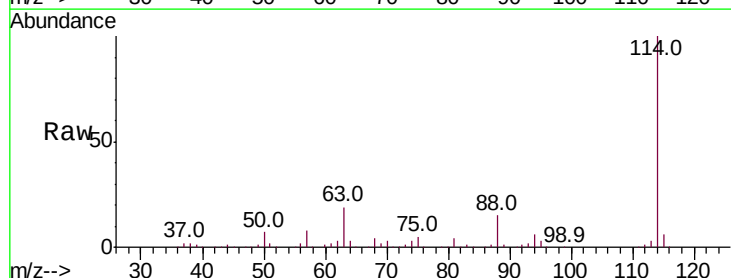
Manual Integrations
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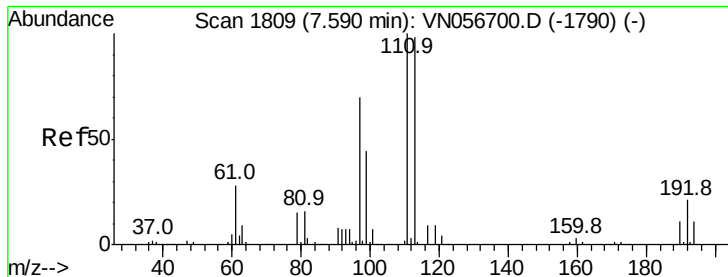
MMDadoda
 7/17/2019 1:31:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	534283		
63	19.4	0.0	39.4	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.244 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

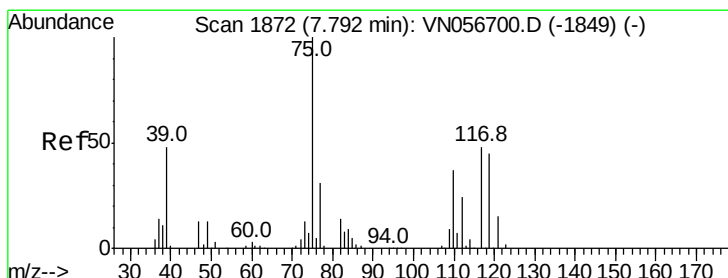
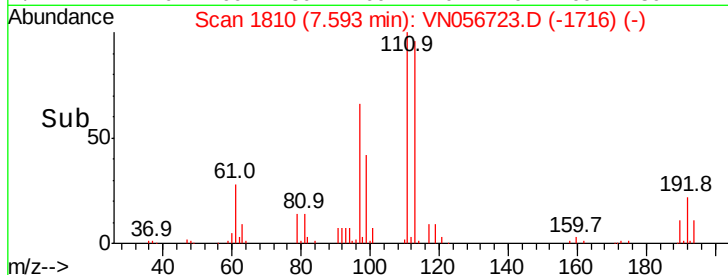
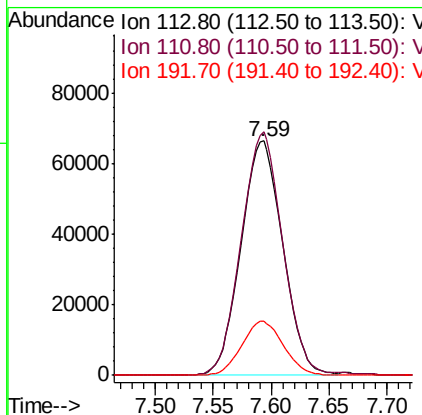
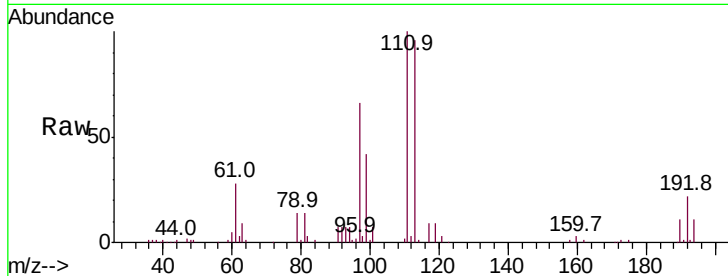
ClientSampleId :

SA-TW532-2126MSD

Tot Ion:	113	Resp:	167058
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.8	122.6
192	22.9	17.5	26.3

Manual Integrations
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7/17/2019 1:31:41 AM



#36

1,1-Dichloropropene

Concen: 47.138 ug/l

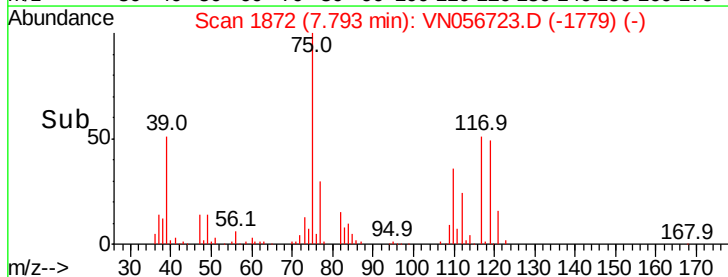
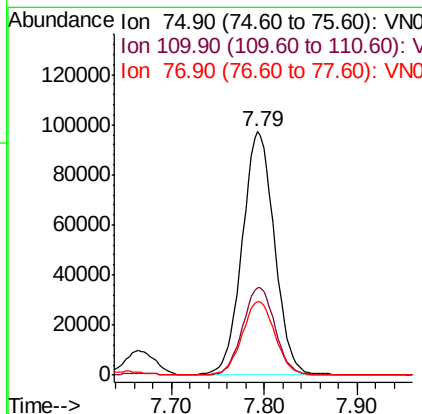
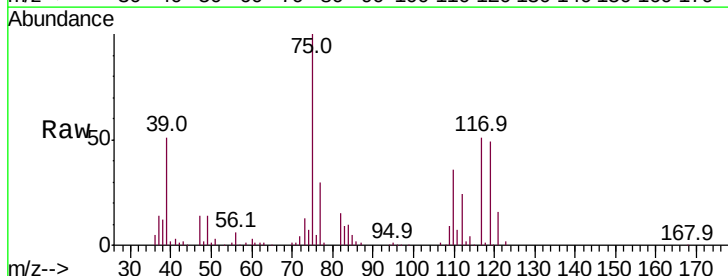
RT: 7.79 min Scan# 1872

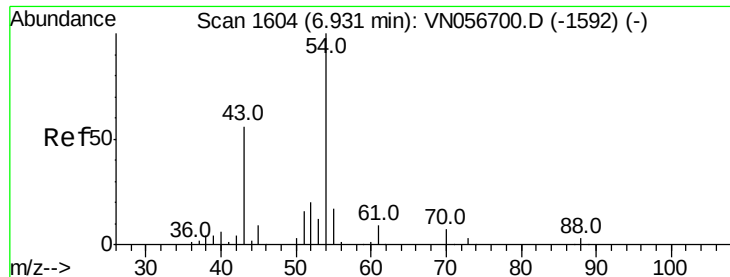
Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Tgt Ion:	75	Resp:	233052
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.4	55.4
77	31.1	24.6	36.8





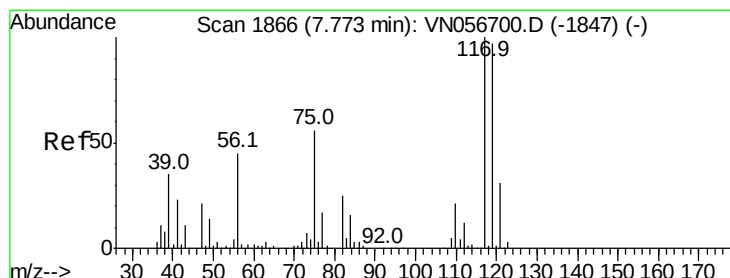
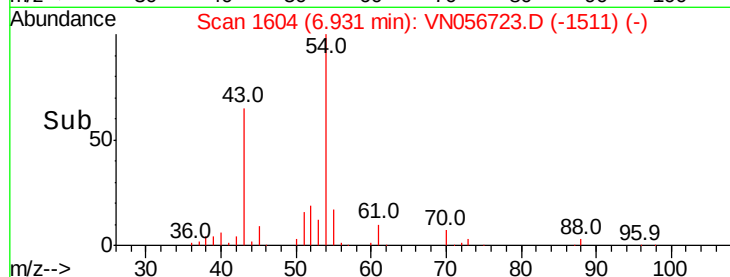
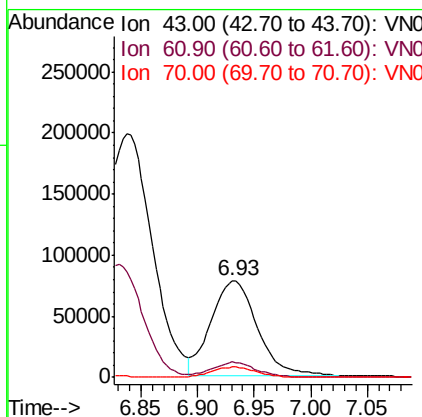
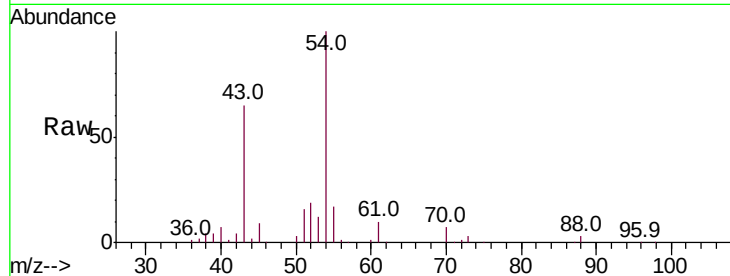
#37
Ethyl Acetate
Concen: 45.586 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	43	Resp	222133
Ion Ratio	Lower	Upper	
43	100		
61	14.9	11.3	16.9
70	10.6	8.5	12.7

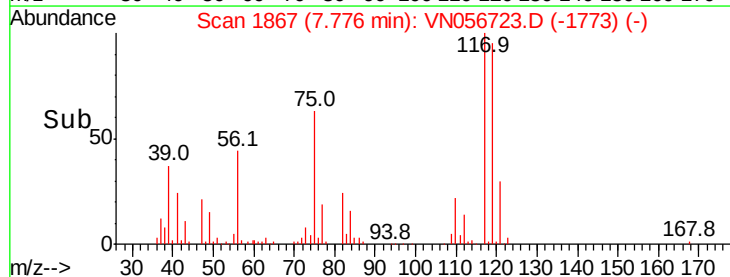
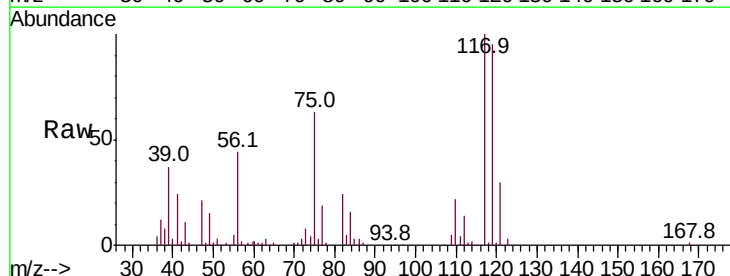
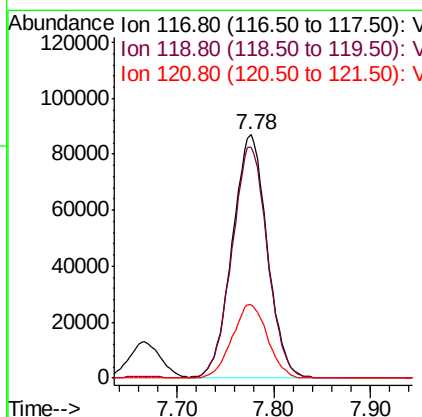
Manual Integrations
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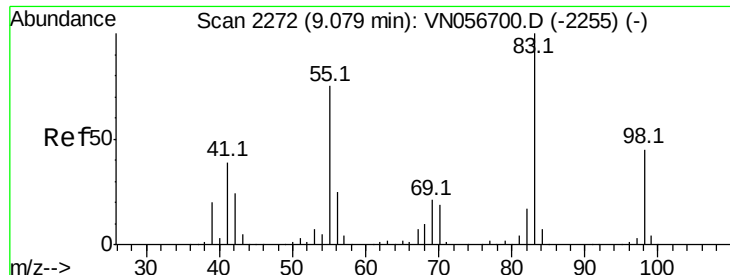
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.226 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	117	Resp	218964
Ion Ratio	Lower	Upper	
117	100		
119	95.1	77.5	116.3
121	30.1	24.7	37.1





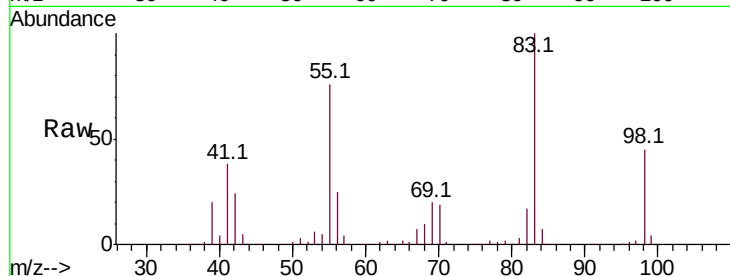
#39
Methylvlcyclohexane
Concen: 47.231 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	288333		
55	76.5		60.4	90.6
98	45.3		35.8	53.8

Manual Integrations
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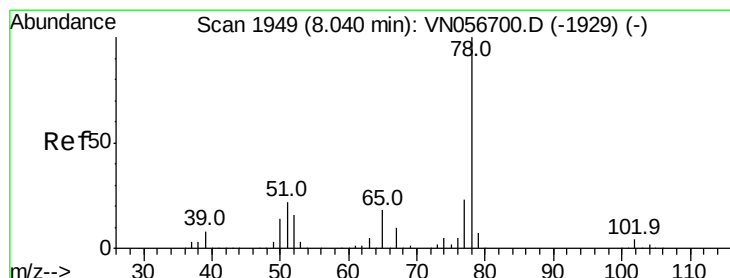
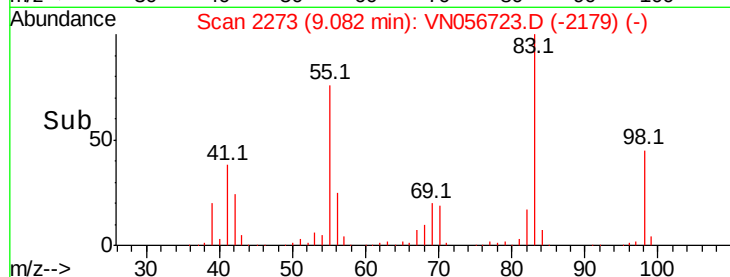
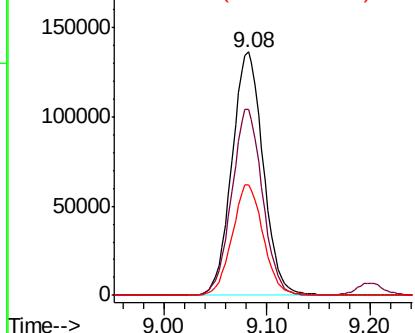


Abundance

Ion 83.00 (82.70 to 83.70): VN0

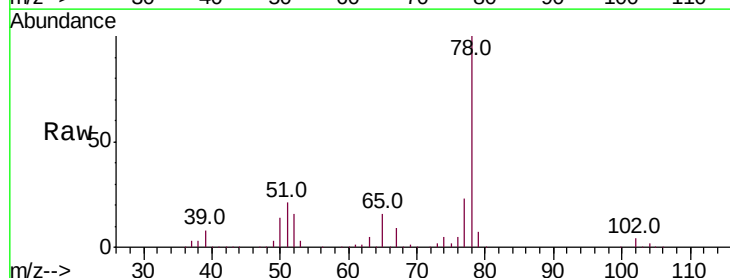
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 47.449 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

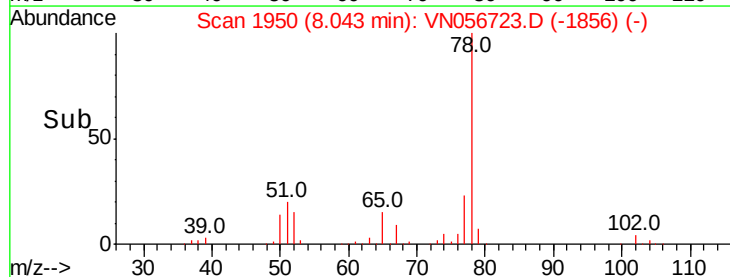
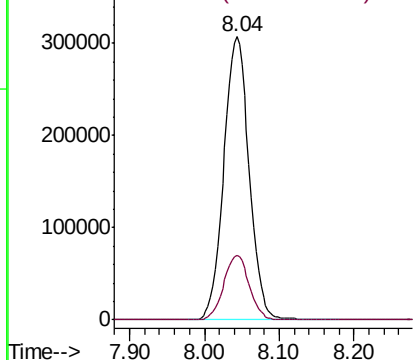
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	718793		
77	23.0		18.6	27.8

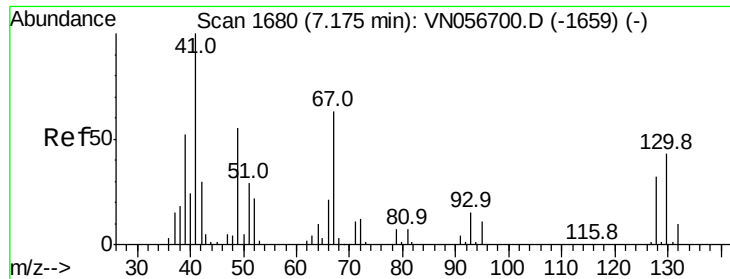


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





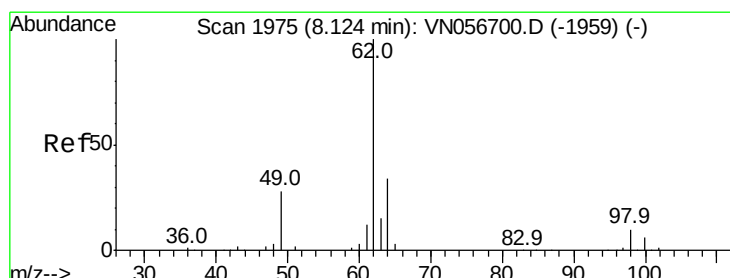
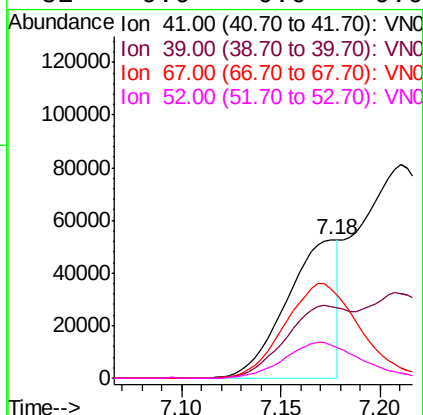
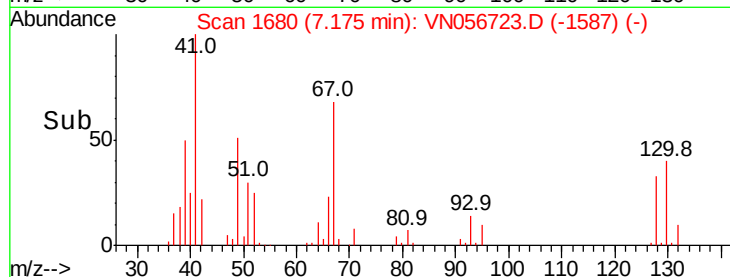
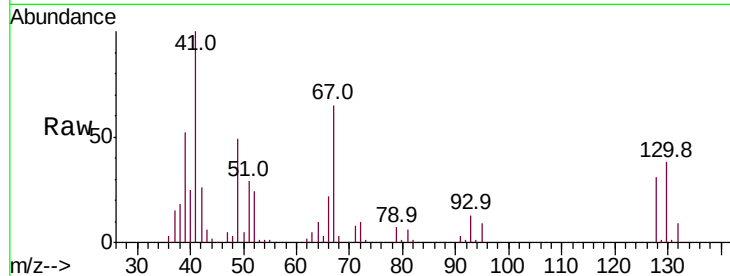
#41
Methacrylonitrile
Concen: 44.832 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	41	Resp	95961
Ion Ratio	100	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

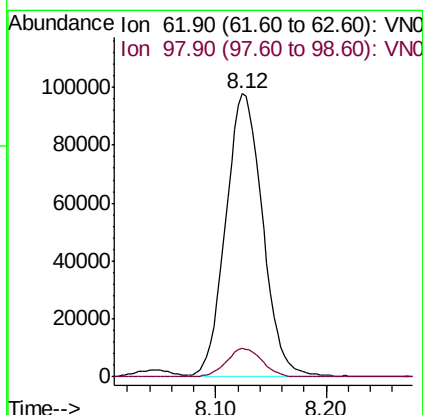
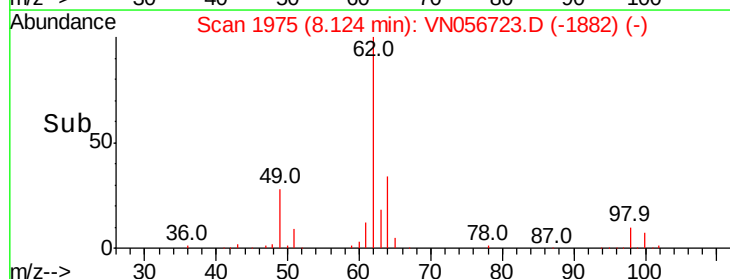
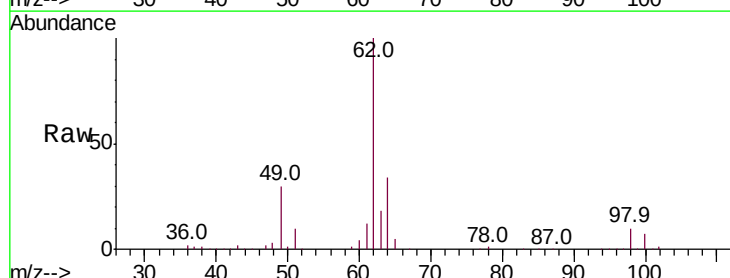
Manual Integrations
APPROVED

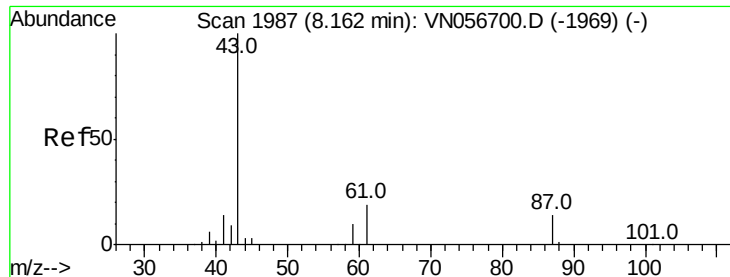
MMDadoda
7/17/2019 1:31:41 AM



#42
1,2-Dichloroethane
Concen: 47.035 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	62	Resp	225193
Ion Ratio	100	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

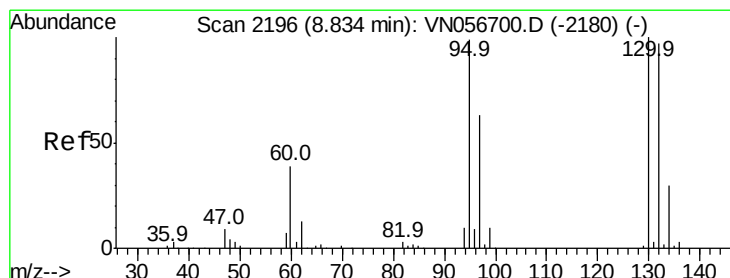
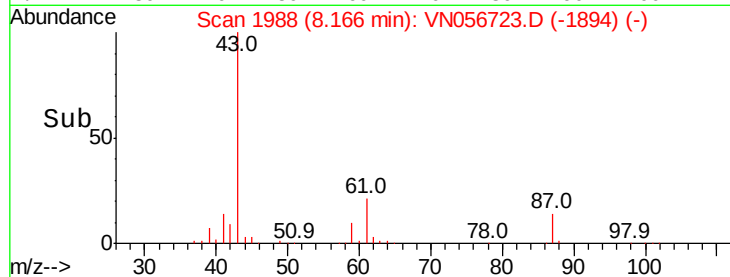
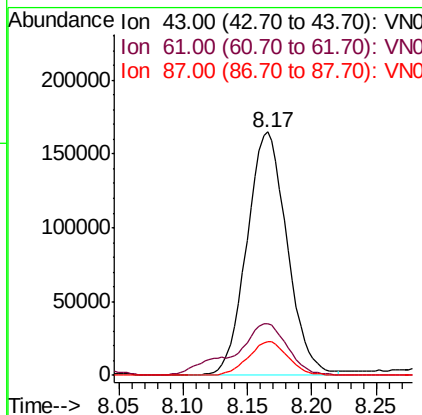
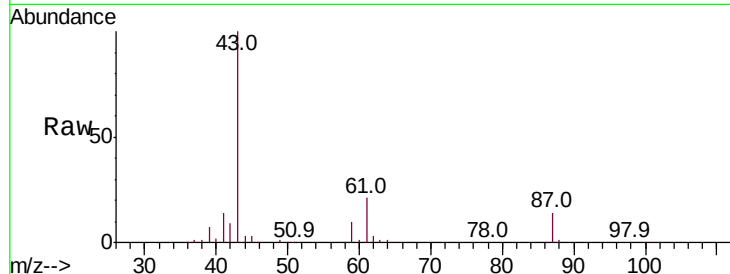
Isopropyl Acetate
 Concen: 46.608 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.3	33.5
87	13.8	11.1	16.7

Manual Integrations
 APPROVED

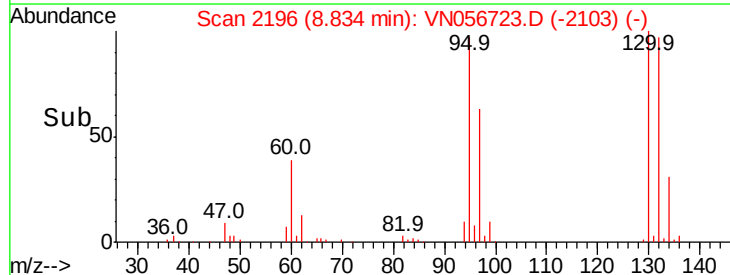
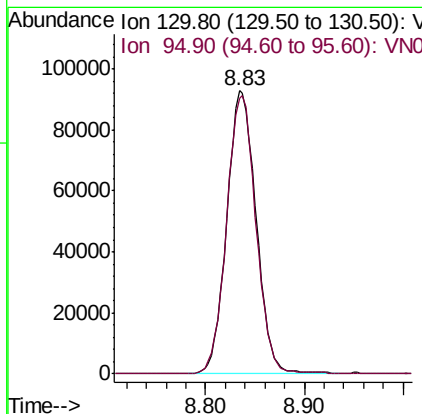
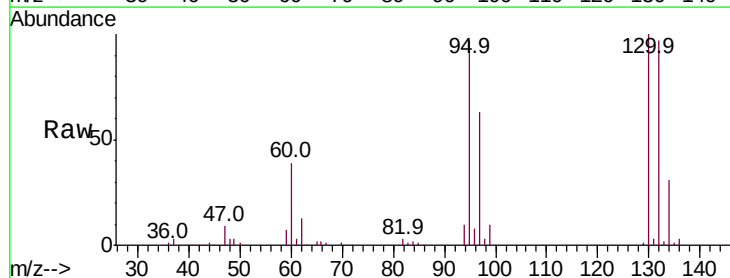
MMDadoda
 7/17/2019 1:31:41 AM

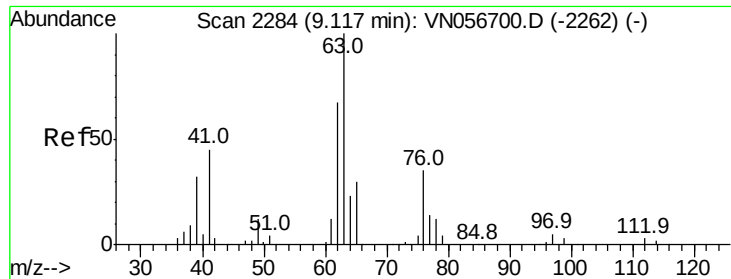


#44

Trichloroethene
 Concen: 46.679 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	197.2





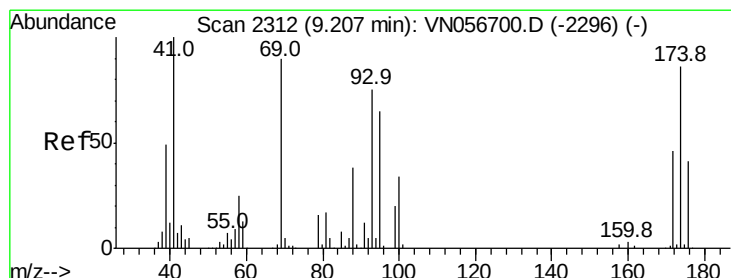
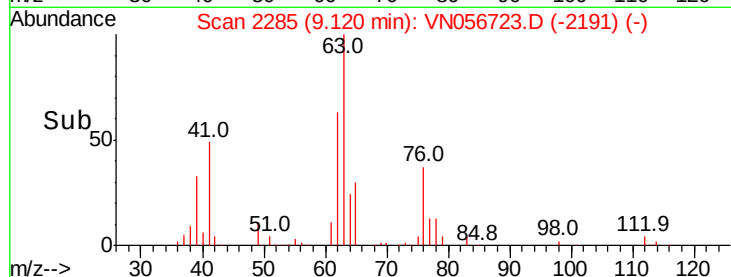
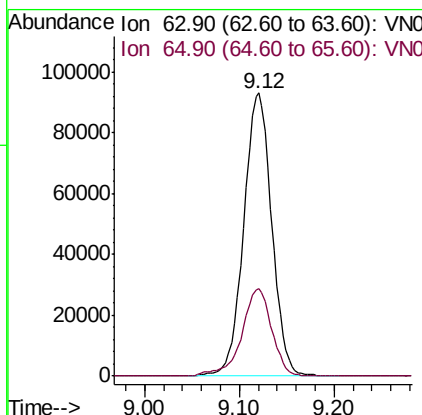
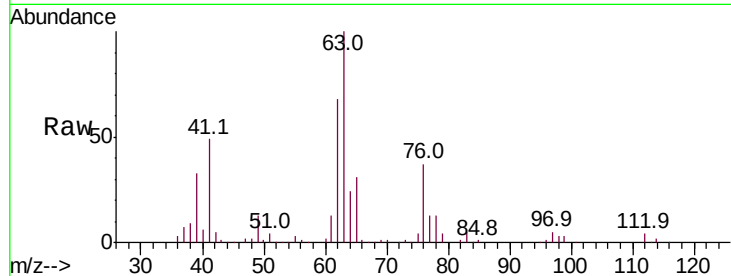
#45
 1,2-Dichloropropane
 Concen: 47.607 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.0	36.0

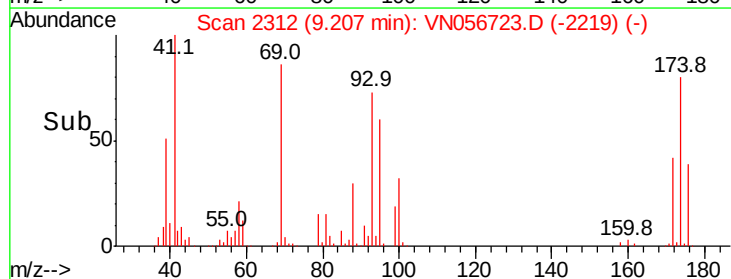
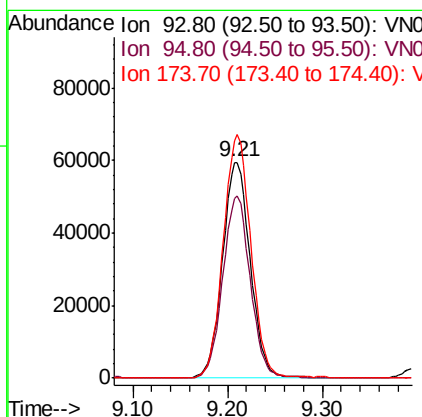
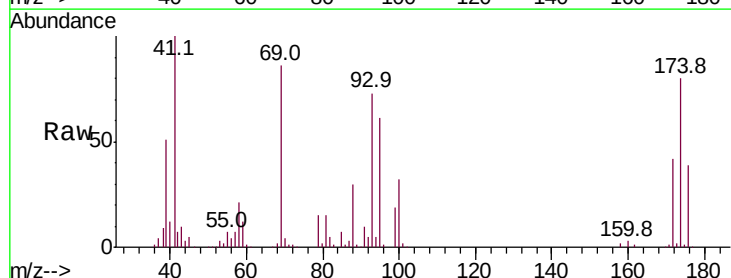
Manual Integrations
 APPROVED

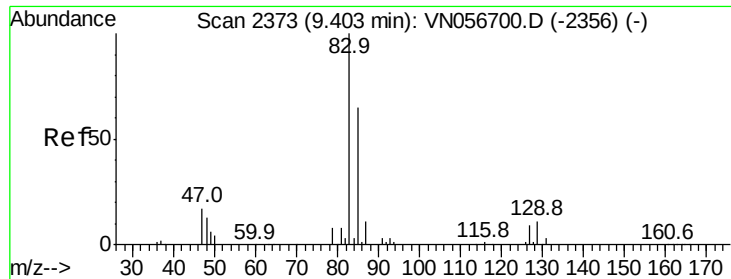
MMDadoda
 7/17/2019 1:31:41 AM



#46
 Dibromomethane
 Concen: 48.713 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.4	101.0
174	112.1	90.3	135.5





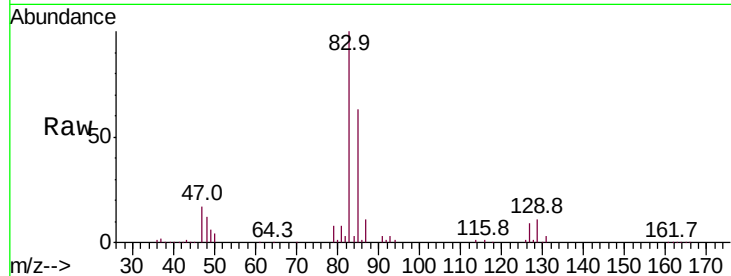
#47
Bromodichloromethane
Concen: 48.531 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	83	Resp	230046
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.3	78.5
127	8.8	7.6	11.4

Manual Integrations
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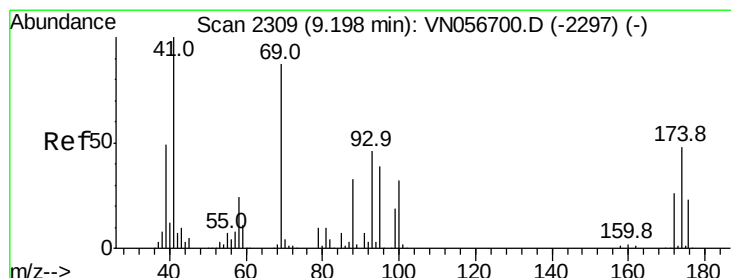
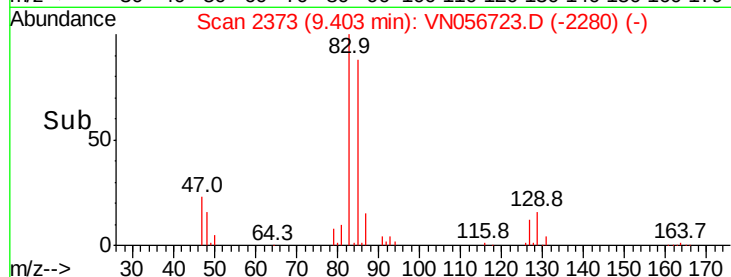
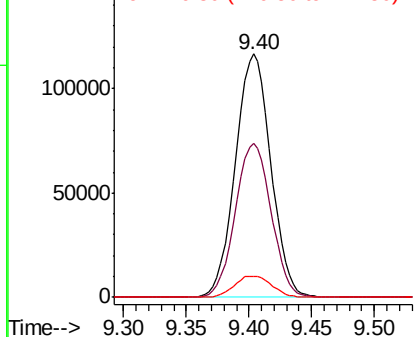
MMDadoda
7/17/2019 1:31:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056723.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056723.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056723.D (-2280) (-)



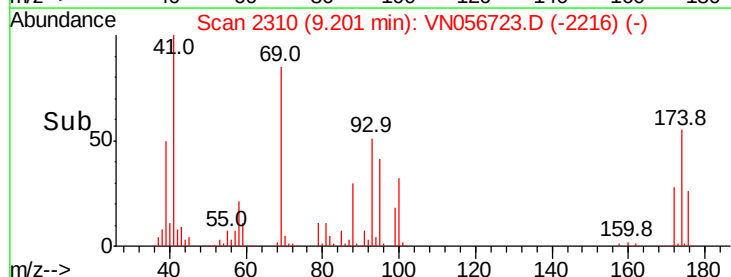
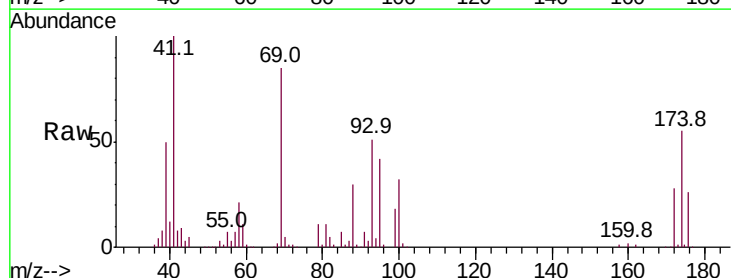
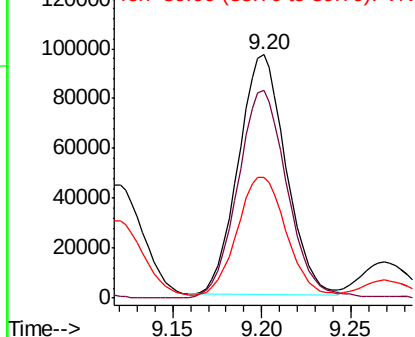
#48
Methyl methacrylate
Concen: 48.545 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

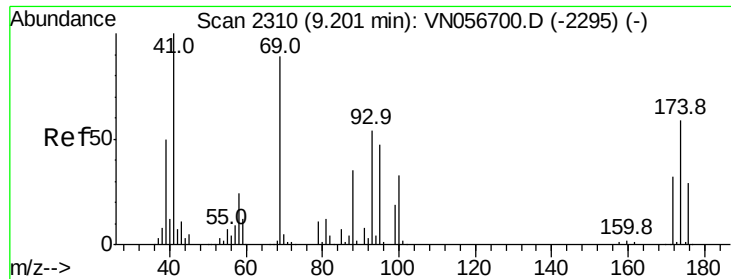
Tgt Ion	41	Resp	179844
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	71.4	107.0
39	50.4	41.2	61.8

Abundance Ion 41.00 (40.70 to 41.70): VN056723.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056723.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056723.D (-2216) (-)





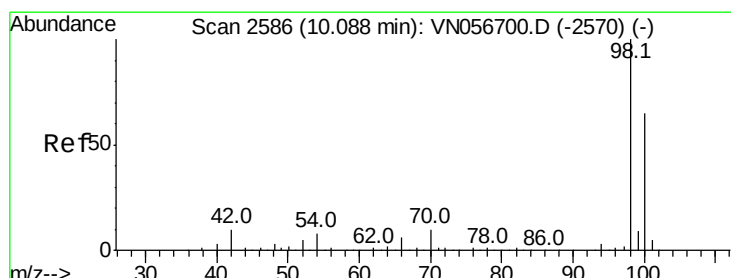
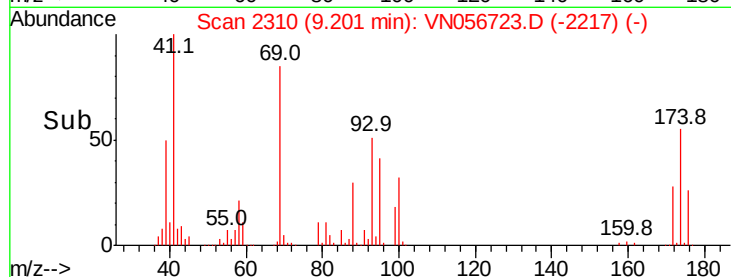
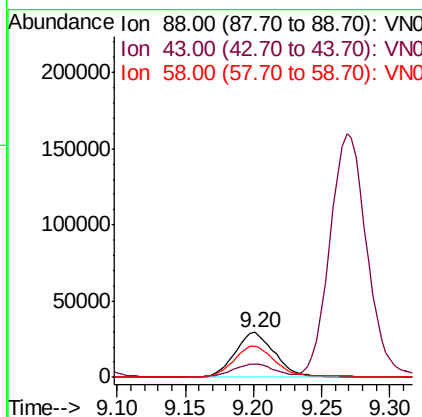
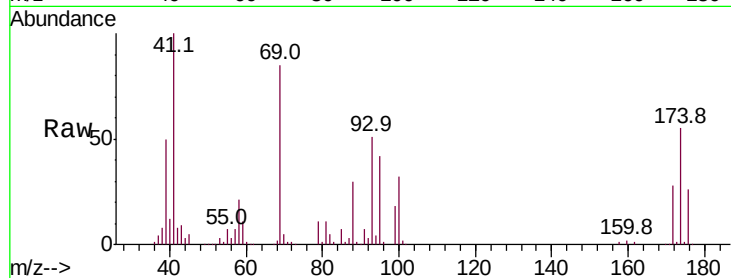
#49
1,4-Dioxane
Concen: 793.336 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	88	Resp	60307
Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.7	35.5
58	71.1	55.6	83.4

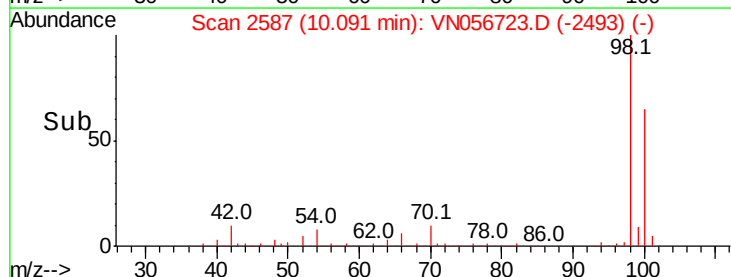
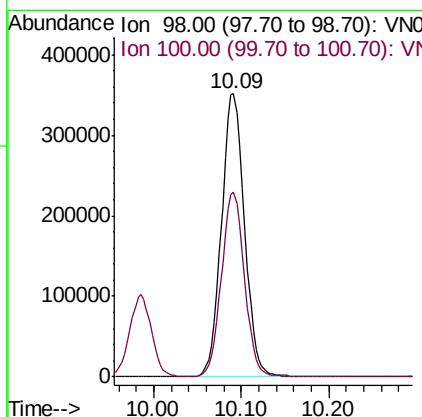
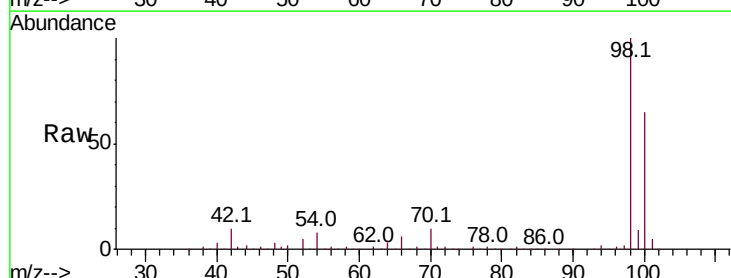
Manual Integrations
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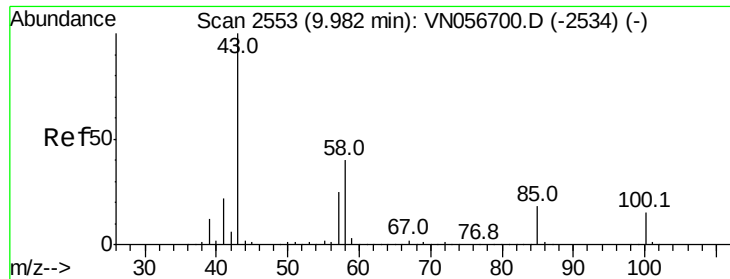
MMDadoda
7/17/2019 1:31:41 AM



#50
Toluene-d8
Concen: 50.095 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	98	Resp	643311
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 240.583 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 43 Resp: 1193674

Ion Ratio Lower Upper

43 100

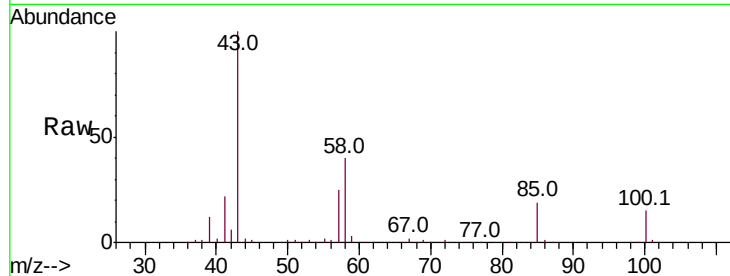
58 40.1 32.0 48.0

Manual Integrations

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MMDadoda

7/17/2019 1:31:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

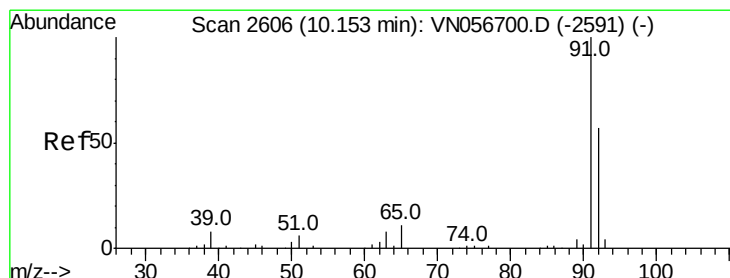
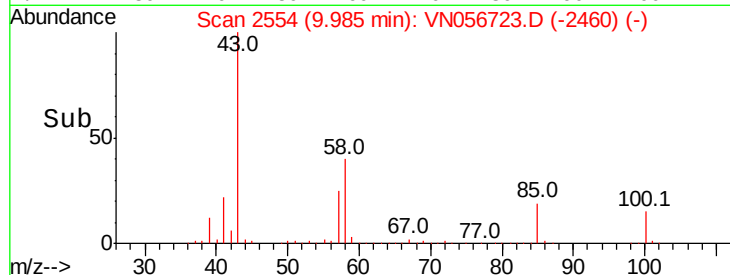
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.261 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056723.D

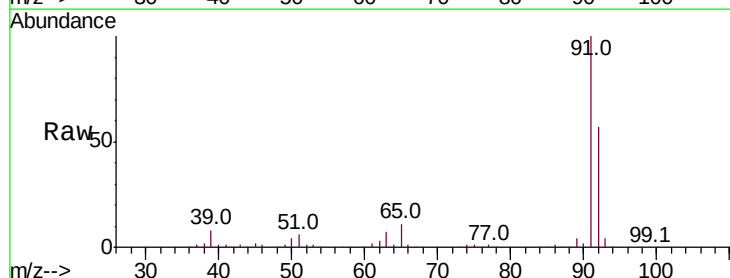
Acq: 15 Jul 2019 19:32

Tgt Ion: 92 Resp: 443183

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

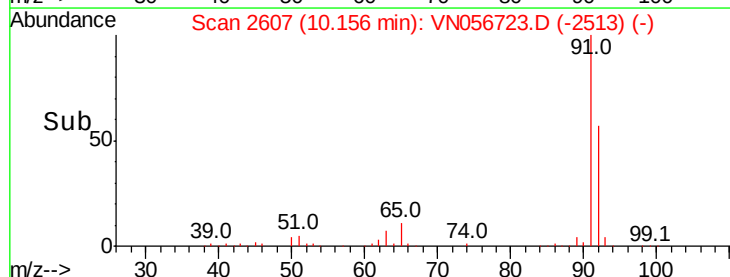
300000

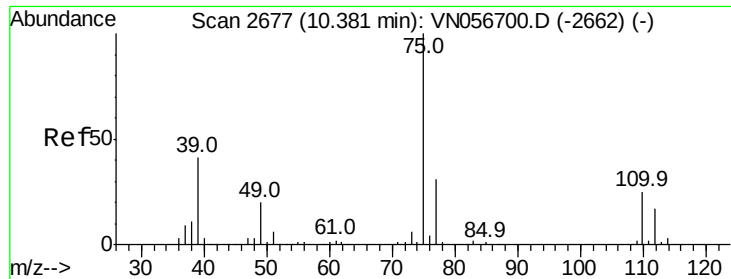
200000

100000

0

Time-->





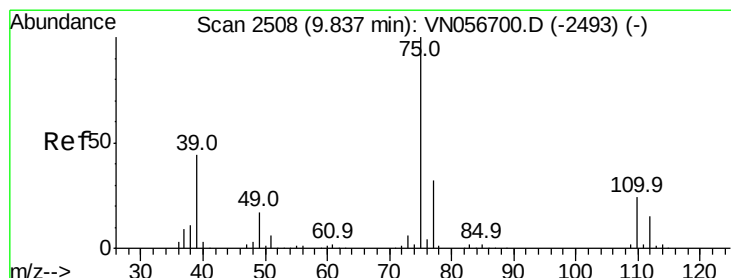
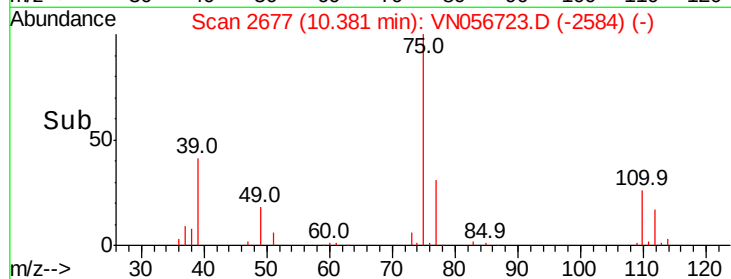
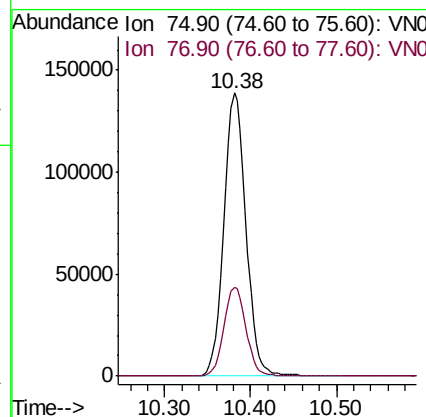
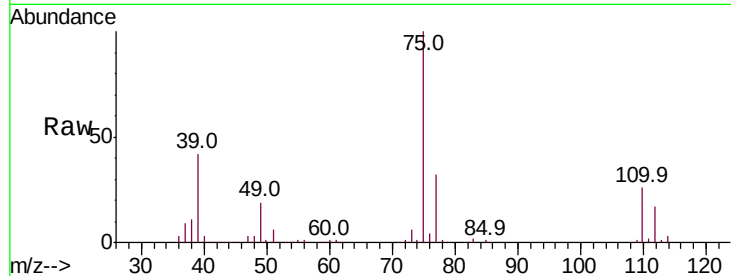
#53
t-1,3-Dichloropropene
Concen: 50.081 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

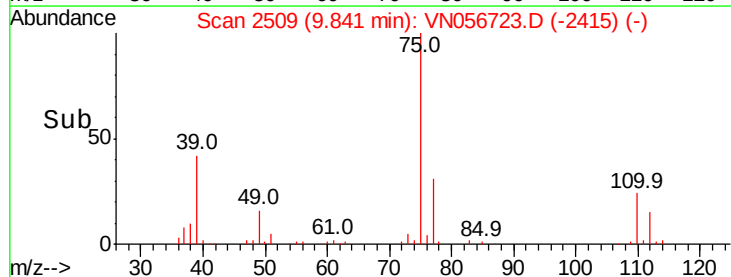
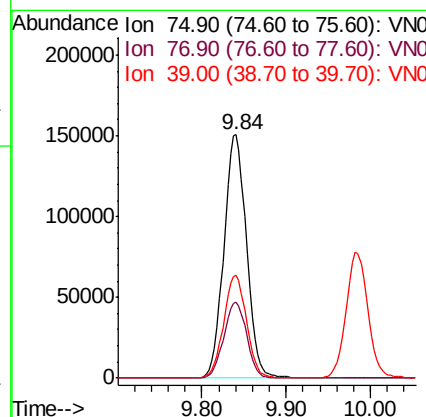
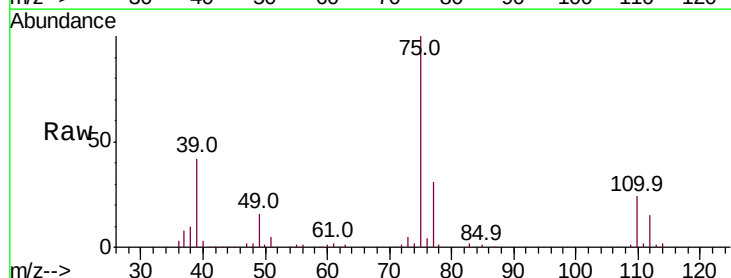
Manual Integrations
APPROVED

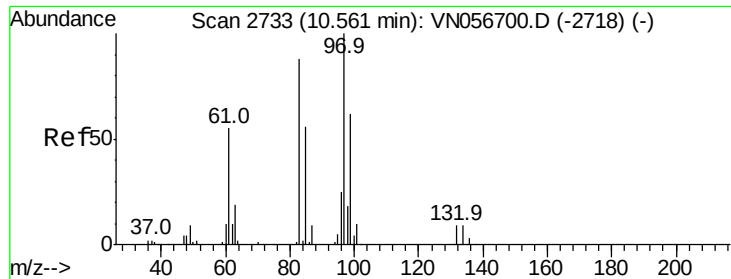
MMDadoda
7/17/2019 1:31:41 AM



#54
cis-1,3-Dichloropropene
Concen: 48.870 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.0	39.0
39	42.4	35.1	52.7





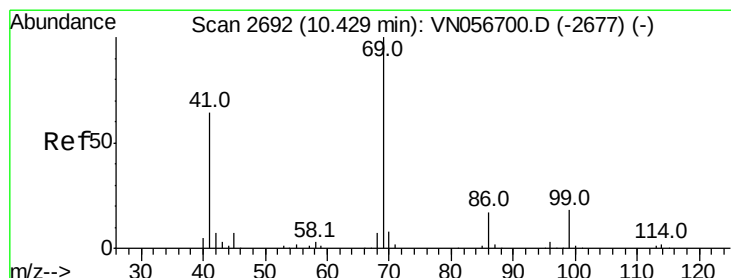
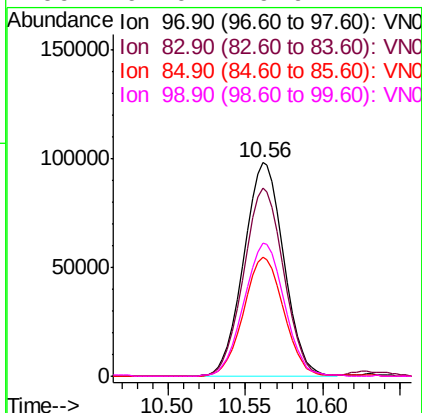
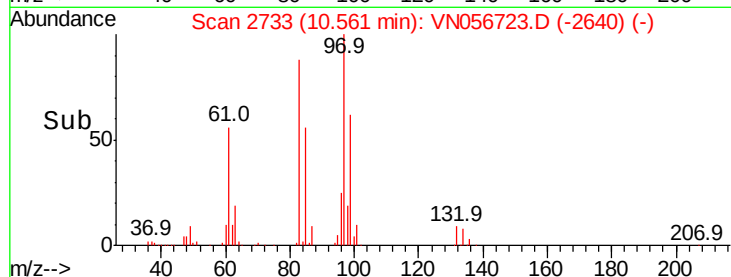
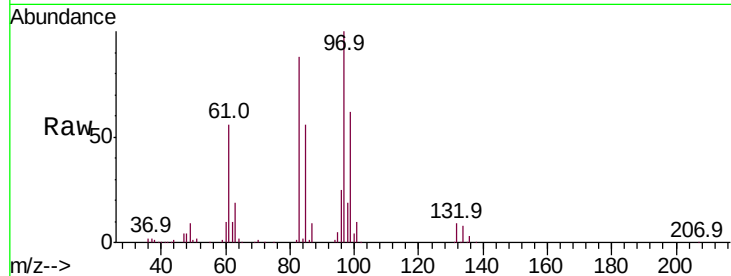
#55
1,1,2-Trichloroethane
Concen: 46.888 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.3	105.5
85	55.5	44.8	67.2
99	62.0	49.6	74.4

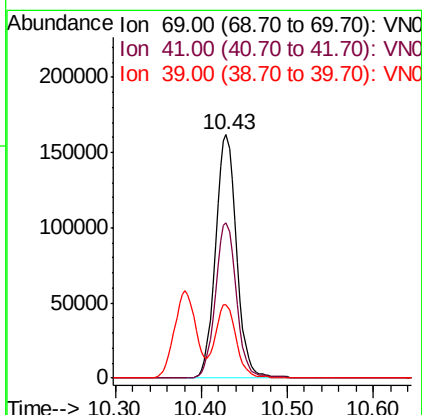
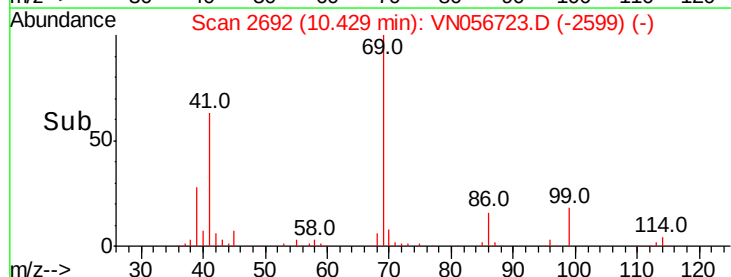
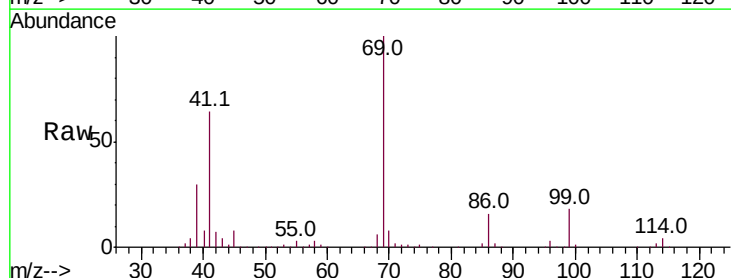
Manual Integrations
APPROVED

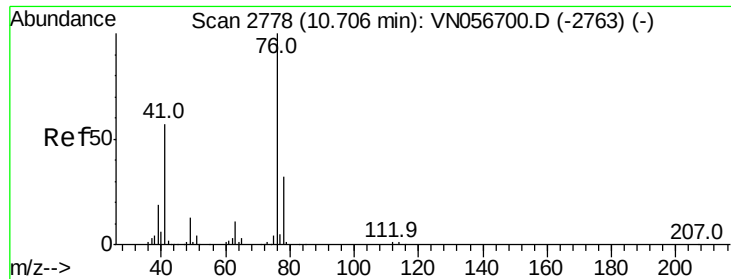
MMDadoda
7/17/2019 1:31:41 AM



#56
Ethyl methacrylate
Concen: 50.769 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	30.0	24.6	36.8





#57

1,3-Dichloropropane

Concen: 48.374 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 76 Resp: 298125

Ion Ratio Lower Upper

76 100

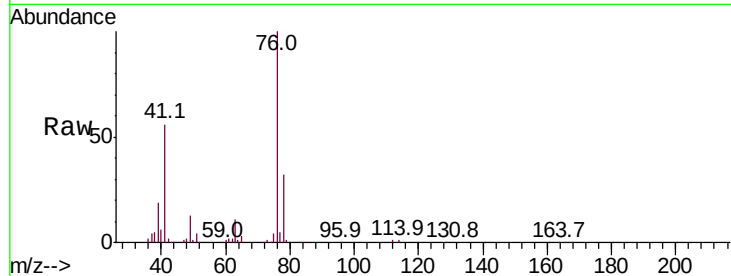
78 32.1 26.0 39.0

Manual Integrations

APPROVED

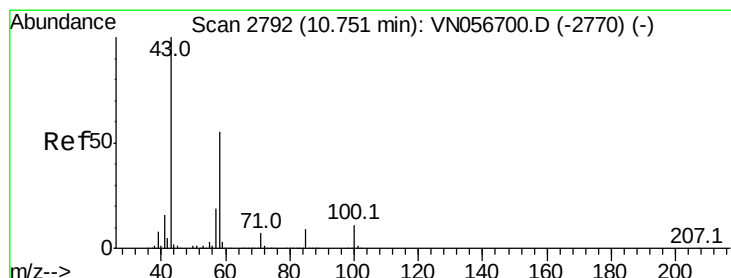
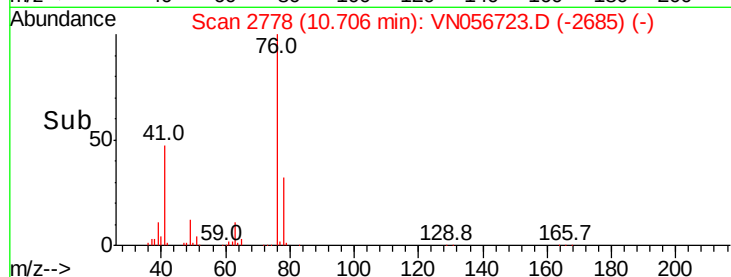
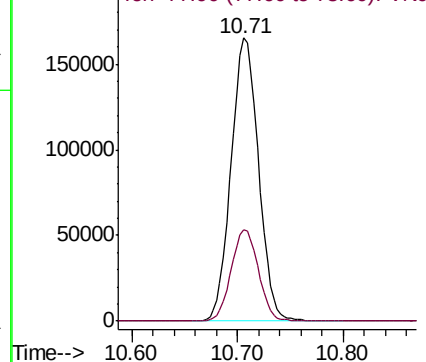
MMDadoda

7/17/2019 1:31:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 242.435 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056723.D

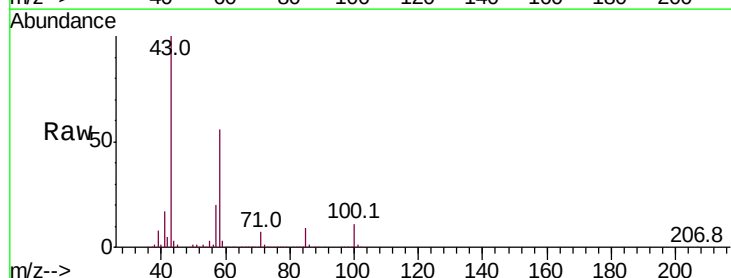
Acq: 15 Jul 2019 19:32

Tgt Ion: 43 Resp: 863096

Ion Ratio Lower Upper

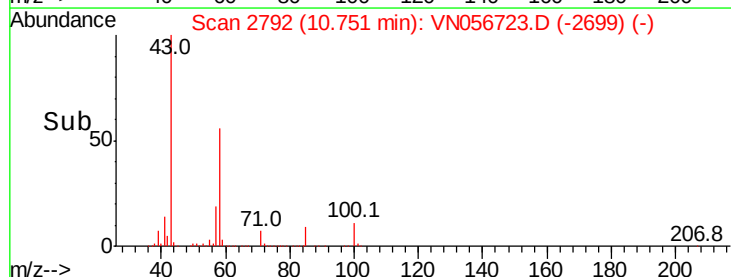
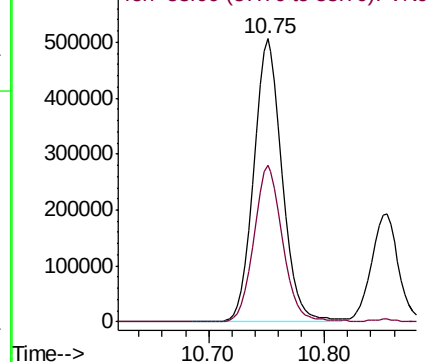
43 100

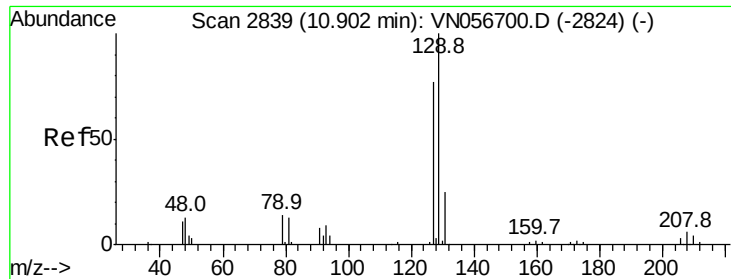
58 56.1 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





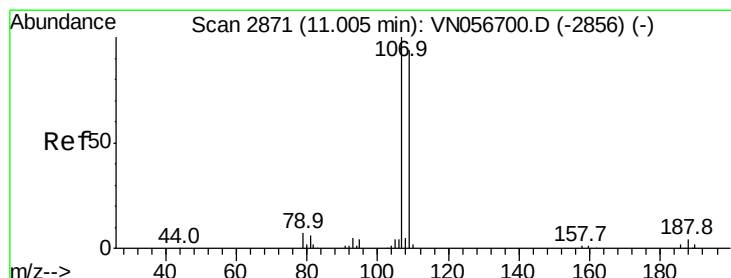
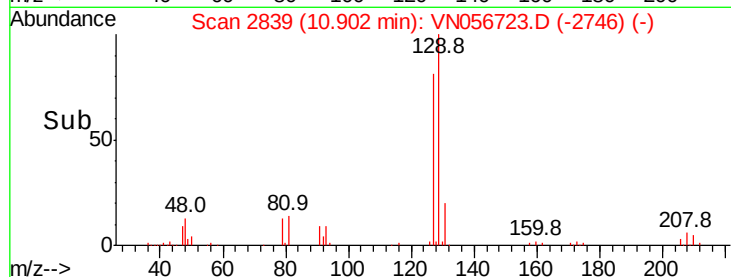
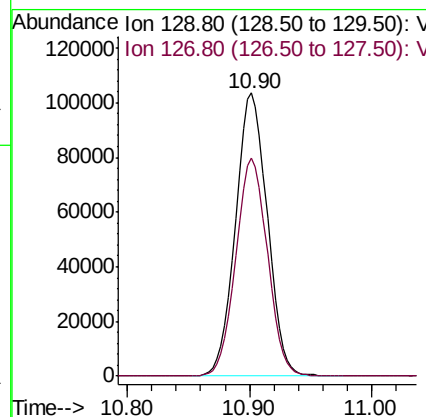
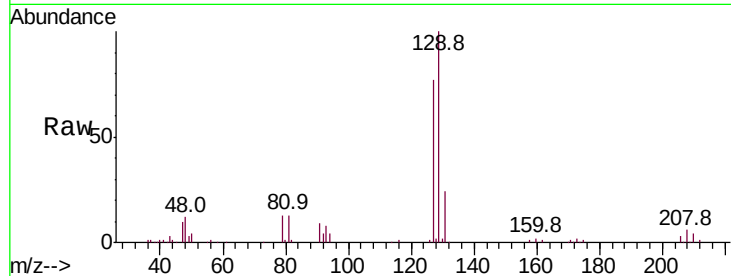
#60
 Dibromochloromethane
 Concen: 50.500 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.2	114.6

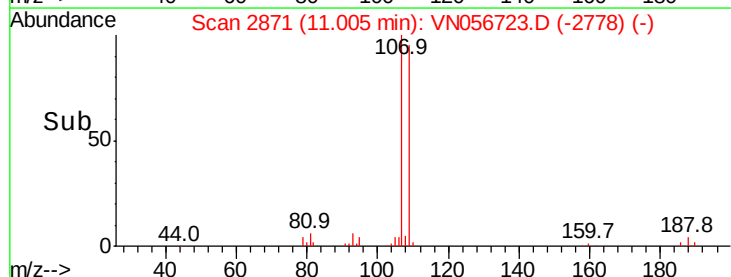
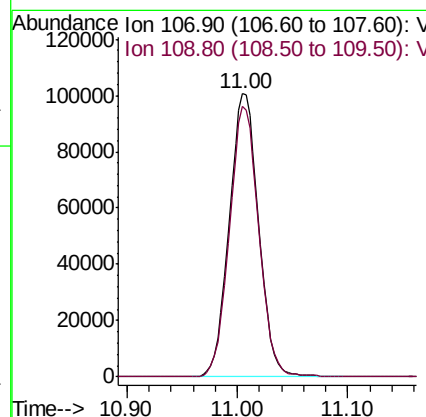
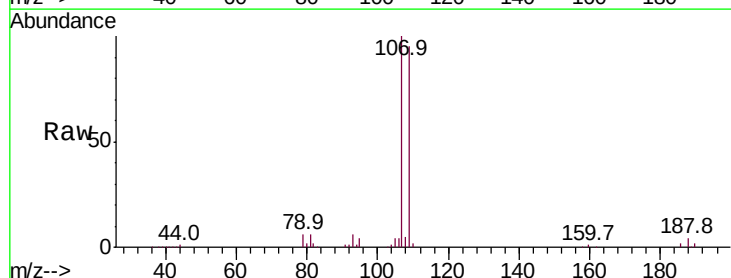
Manual Integrations
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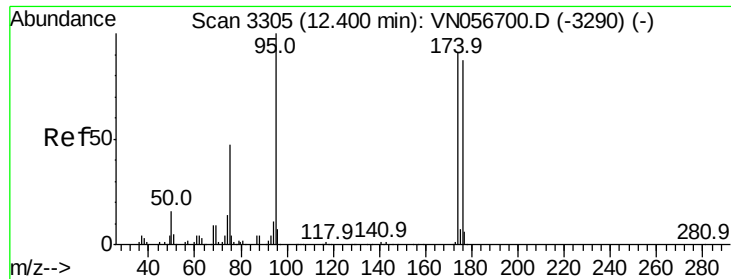
MMDadoda
 7/17/2019 1:31:41 AM



#61
 1,2-Dibromoethane
 Concen: 49.544 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.2	114.4





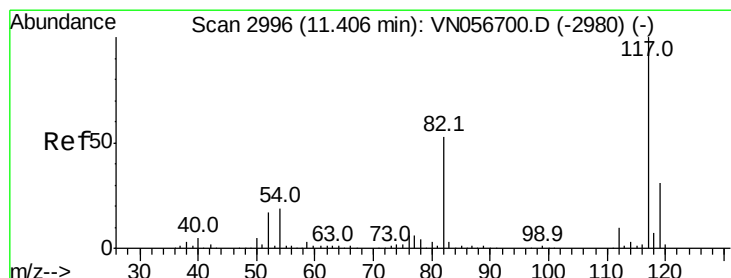
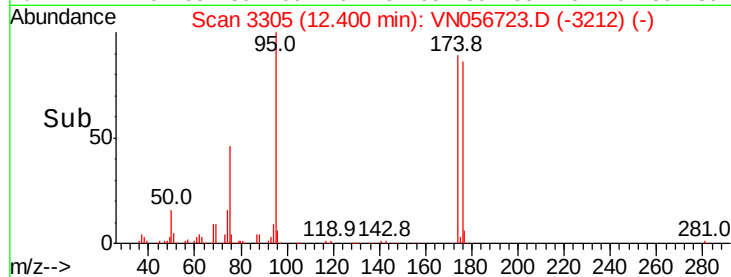
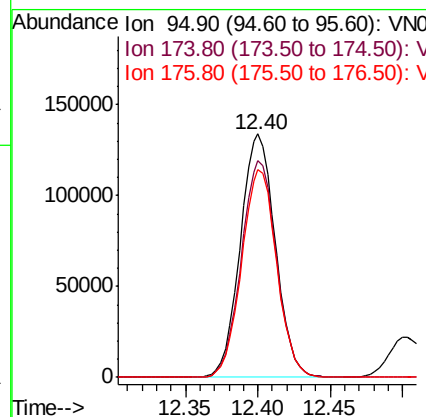
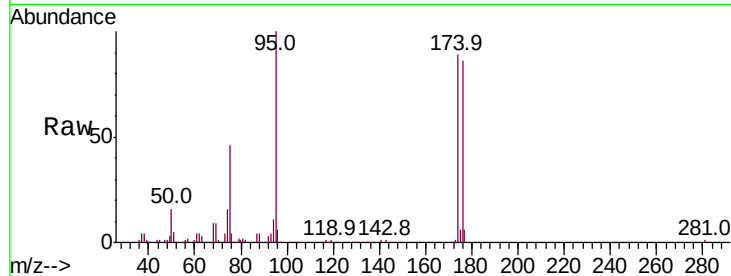
#62
4-Bromofluorobenzene
Concen: 51.797 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	224317		
174	89.4	0.0	180.0	
176	85.6	0.0	173.2	

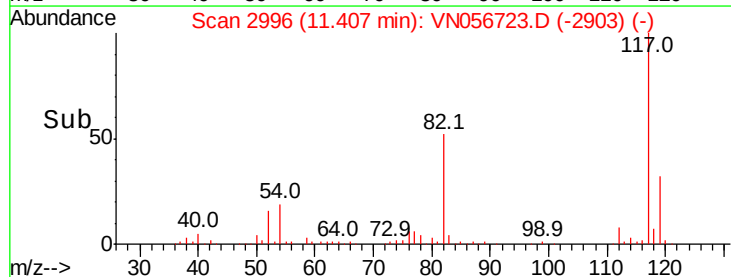
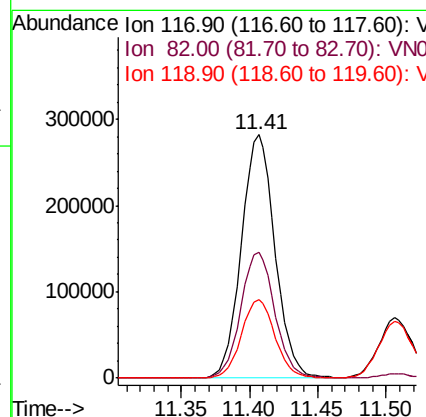
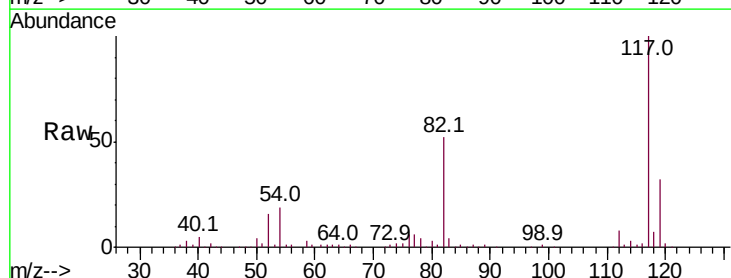
Manual Integrations
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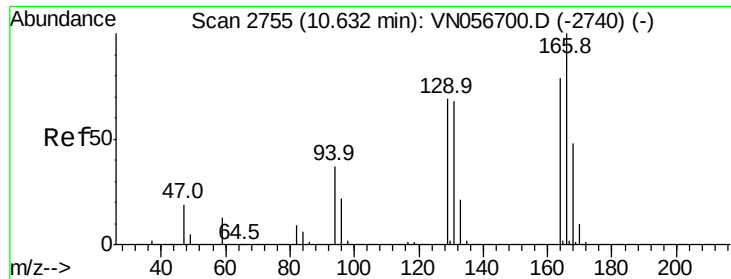
MMDadoda
7/17/2019 1:31:41 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	483322		
82	51.6	42.2	63.2	
119	32.4	25.2	37.8	





#64

Tetrachloroethene

Concen: 44.377 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion:164 Resp: 185039

Ion Ratio Lower Upper

164 100

166 125.0 101.4 152.2

129 89.4 69.6 104.4

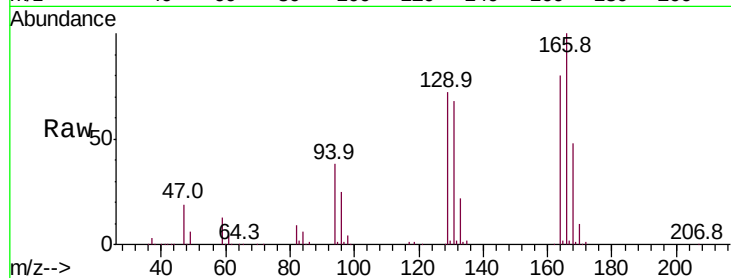
131 85.2 69.0 103.4

Manual Integrations

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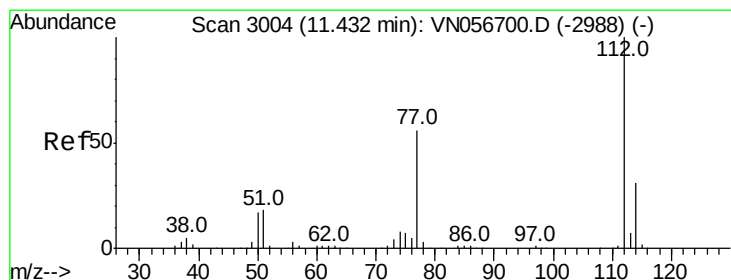
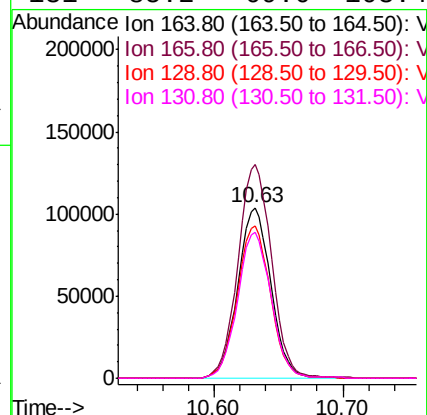
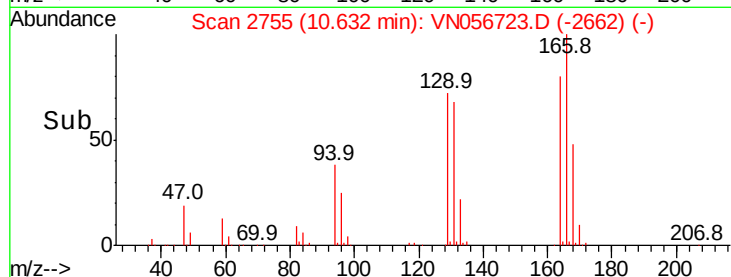


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056723.D

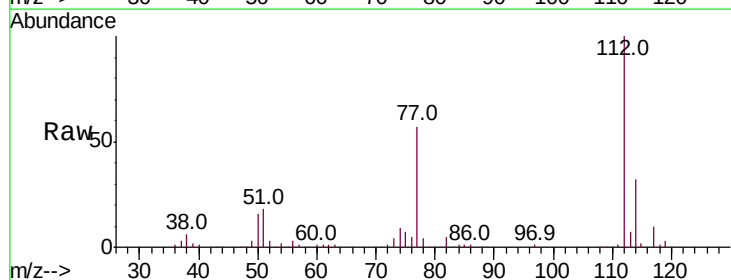
Acq: 15 Jul 2019 19:32

Tgt Ion:112 Resp: 470677

Ion Ratio Lower Upper

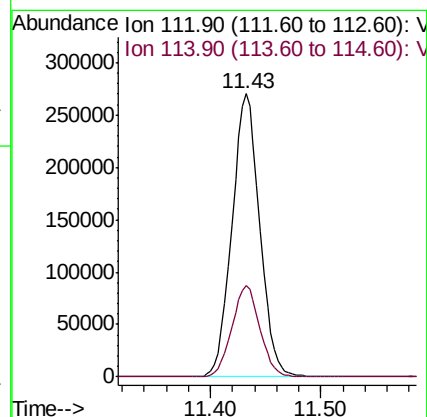
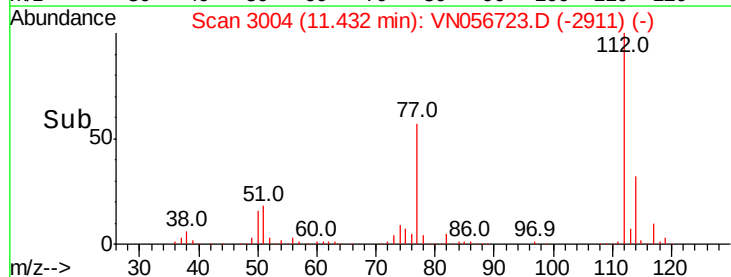
112 100

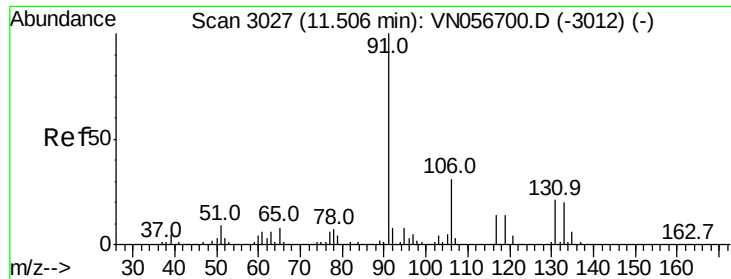
114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 47.249 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

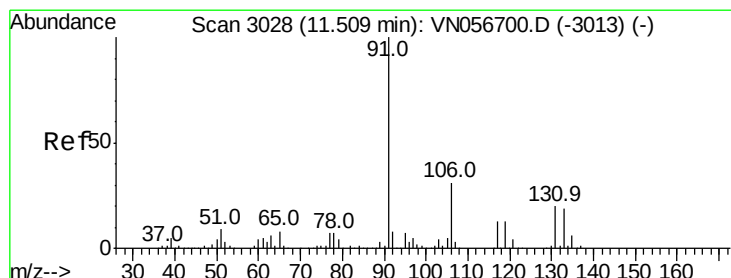
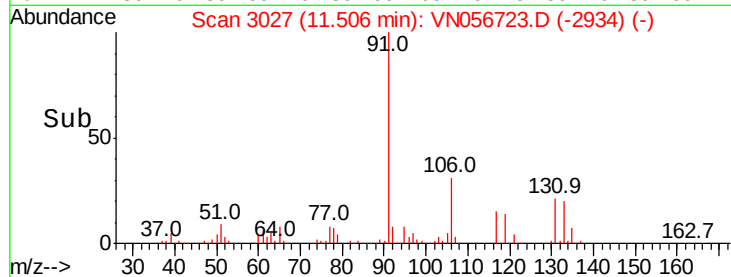
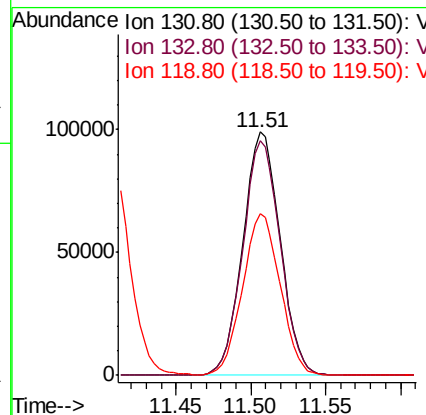
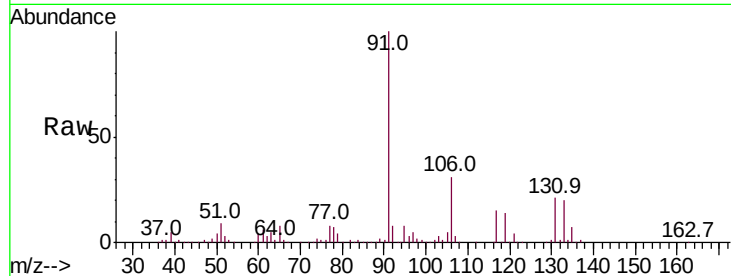
ClientSampleId :

SA-TW532-2126MSD

Tot Ion:	131	Resp:	171925
Ion Ratio	Lower	Upper	
131	100		
133	96.9	46.9	140.7
119	67.1	32.8	98.3

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#67

Ethyl Benzene

Concen: 48.217 ug/l

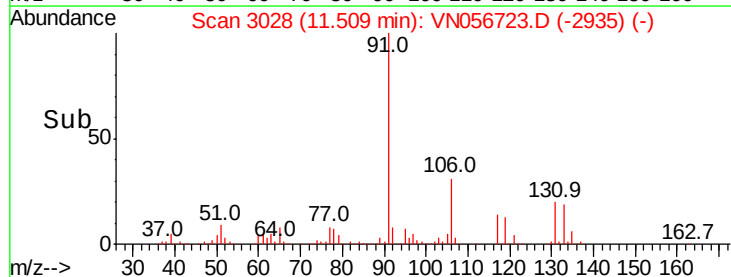
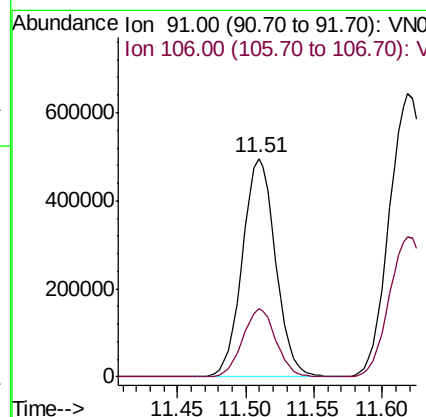
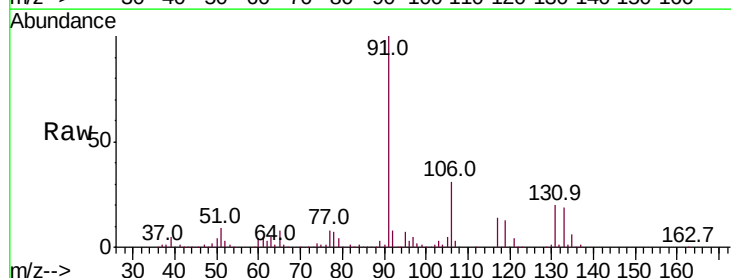
RT: 11.51 min Scan# 3028

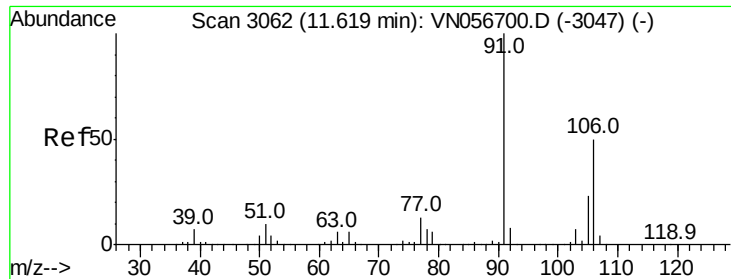
Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Tgt Ion:	91	Resp:	837431
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.8	37.2





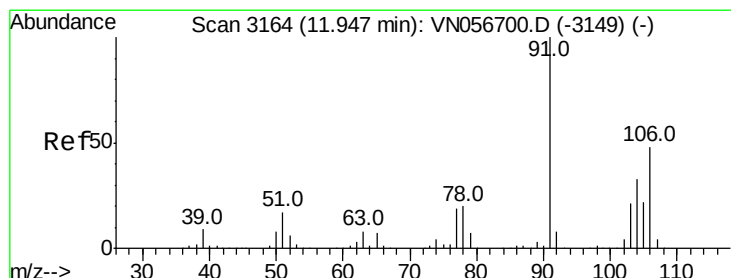
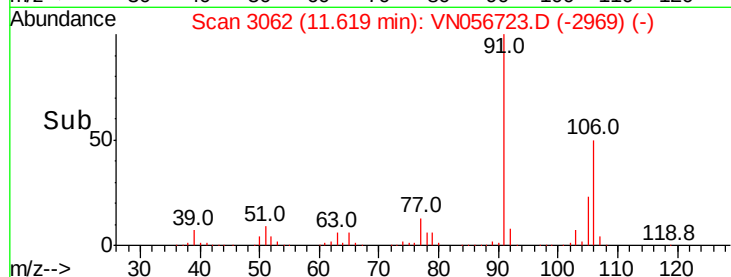
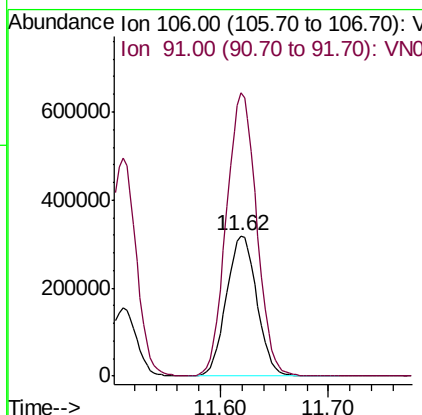
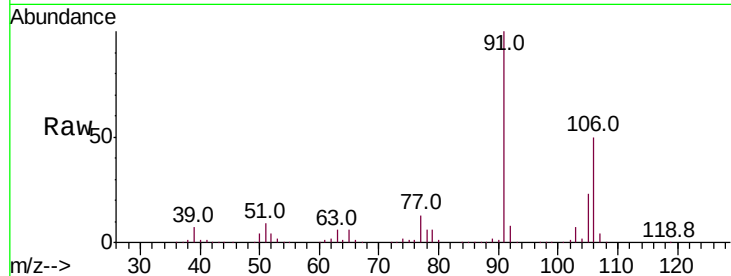
#68
m/p-Xylenes
Concen: 96.516 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion:106 Resp: 626466
Ion Ratio Lower Upper
106 100
91 200.9 160.5 240.7

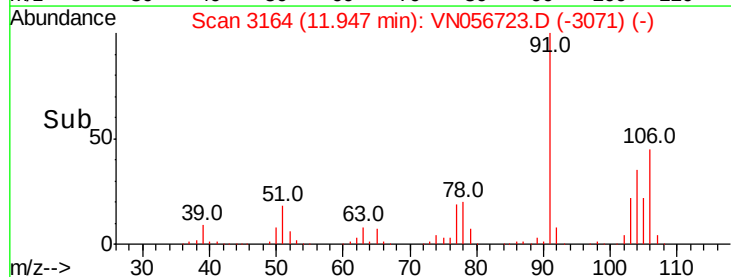
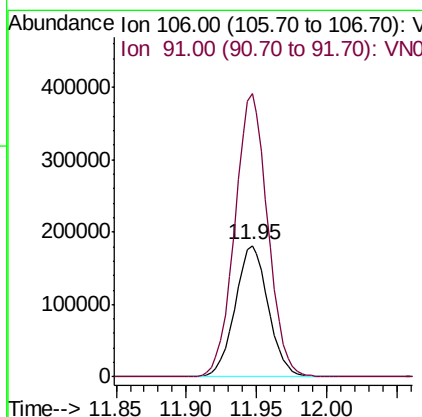
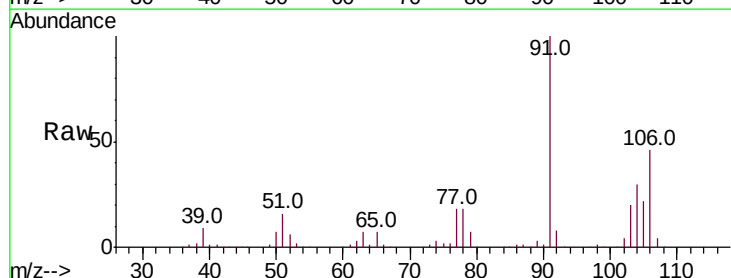
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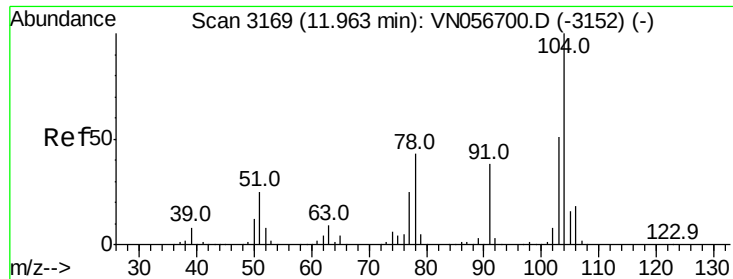
MMDadoda
7/17/2019 1:31:41 AM



#69
o-Xylene
Concen: 46.882 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion:106 Resp: 299165
Ion Ratio Lower Upper
106 100
91 214.1 105.6 316.8





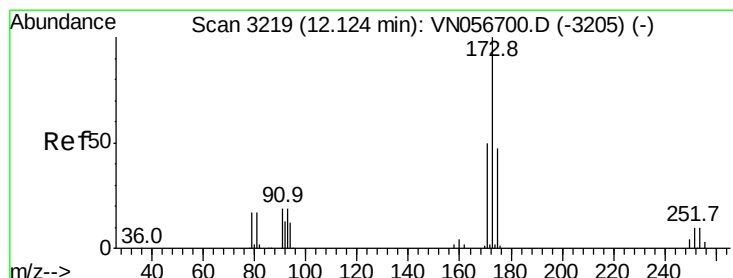
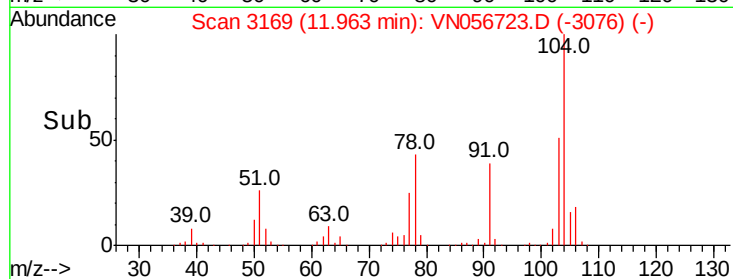
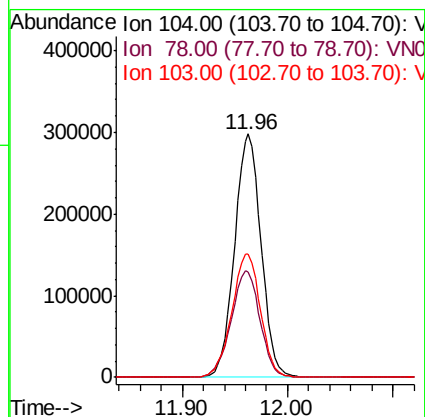
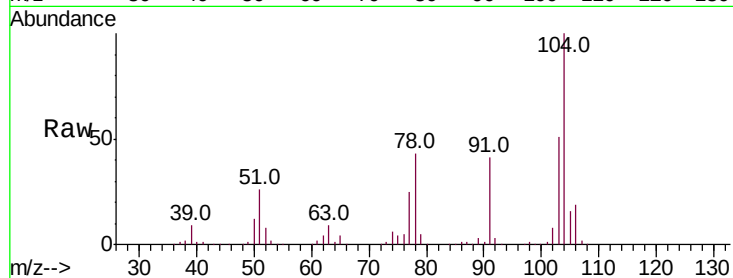
#70
Stvrene
Concen: 50.105 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	516911		
78	47.8	38.6	57.8	
103	54.6	44.2	66.4	

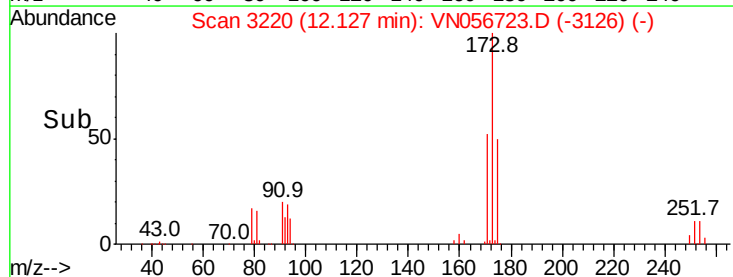
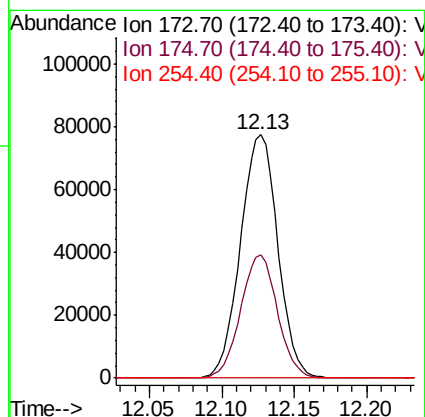
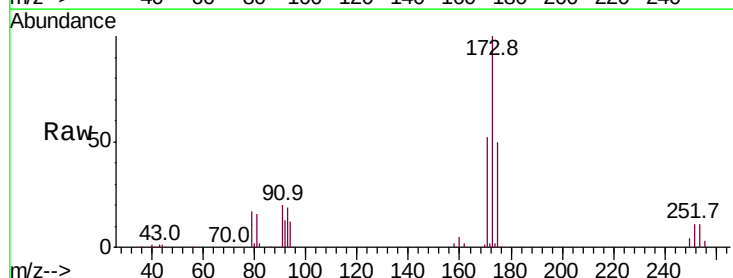
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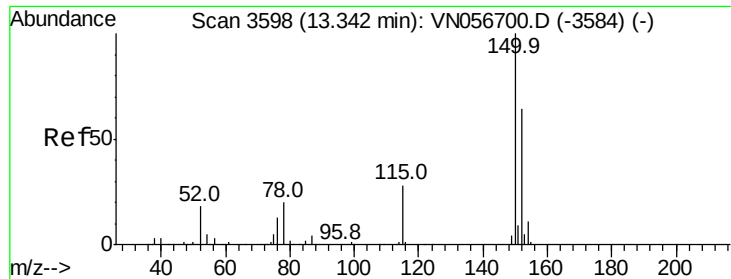
MMDadoda
7/17/2019 1:31:41 AM



#71
Bromoform
Concen: 50.148 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	138838		
175	49.9	23.8	71.4	
254	0.0	0.0	0.0	





#72

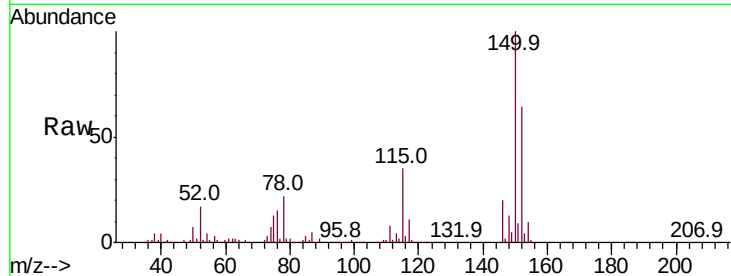
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.2	84.7
150	171.8	0.0	345.8

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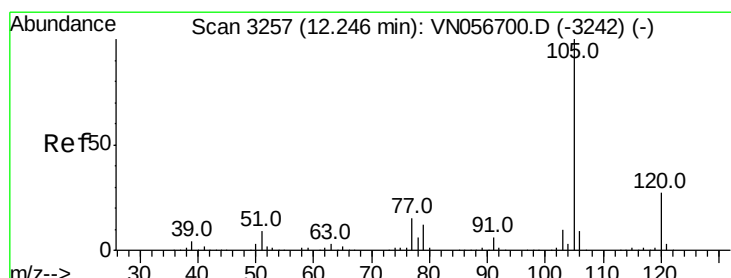
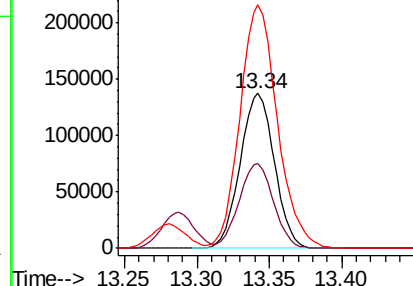
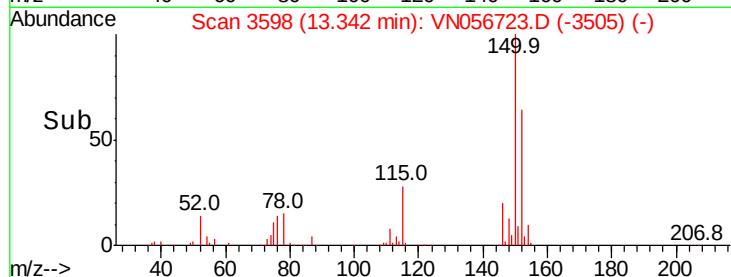


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

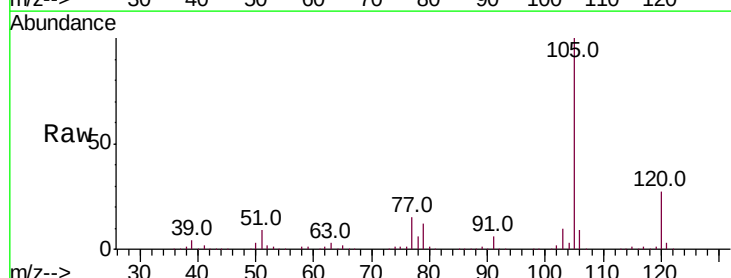
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 43.847 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

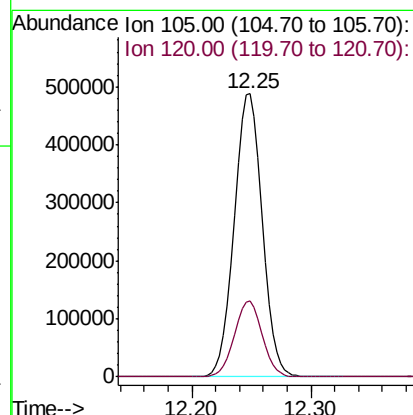
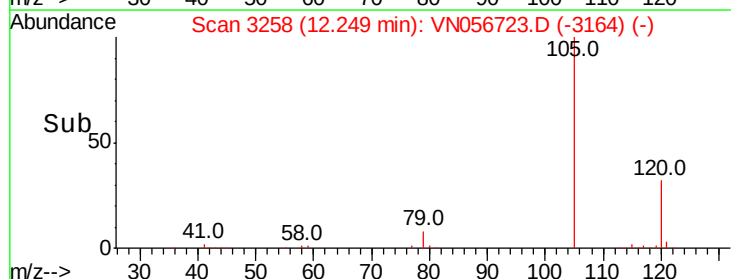
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

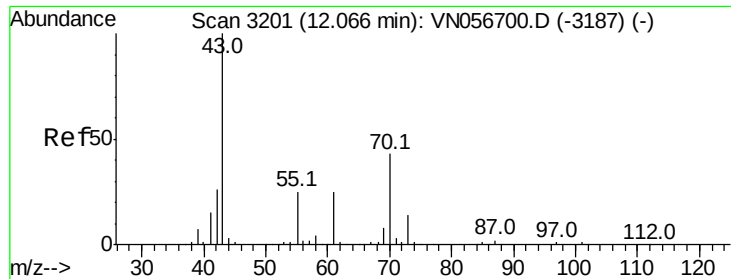


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.037 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

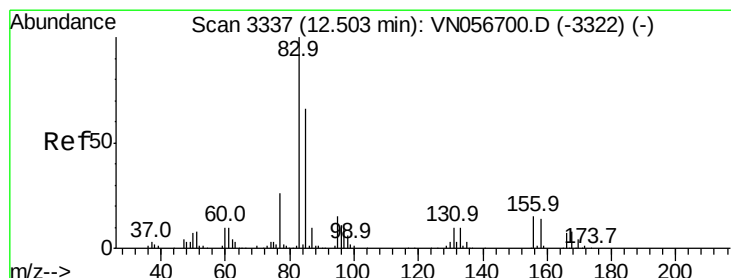
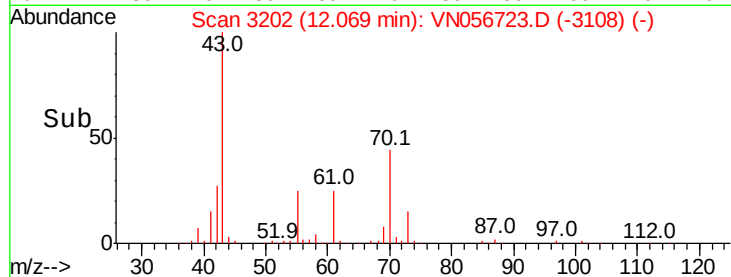
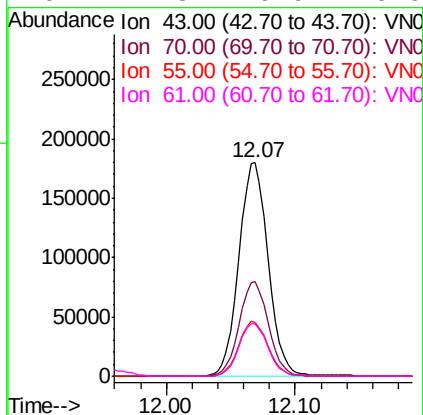
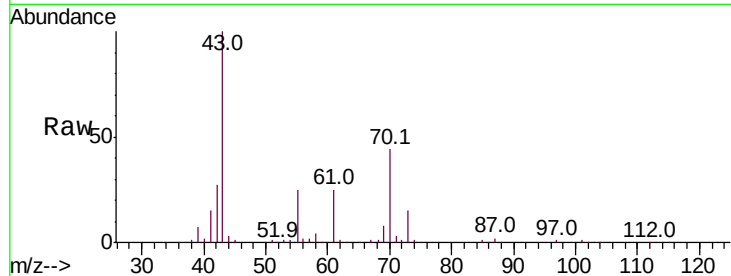
ClientSampleId :

SA-TW532-2126MSD

Tot Ion:	43	Resp:	284501
Ion Ratio	Lower	Upper	
43	100		
70	44.5	34.5	51.7
55	25.8	20.2	30.2
61	24.8	19.9	29.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.895 ug/l

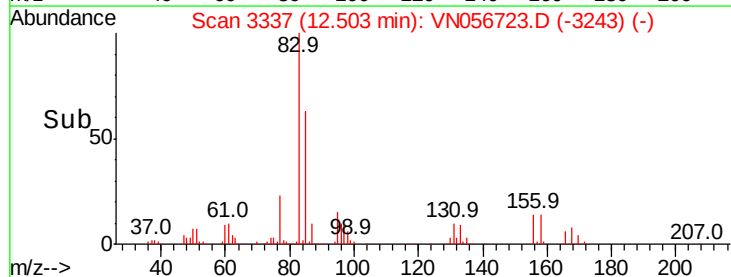
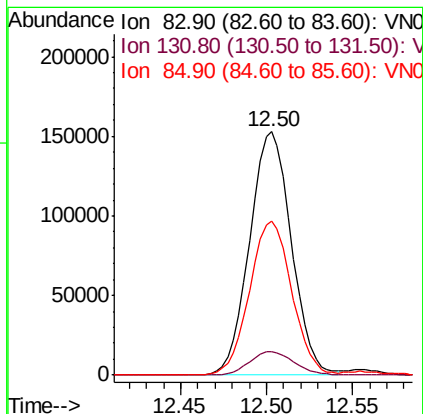
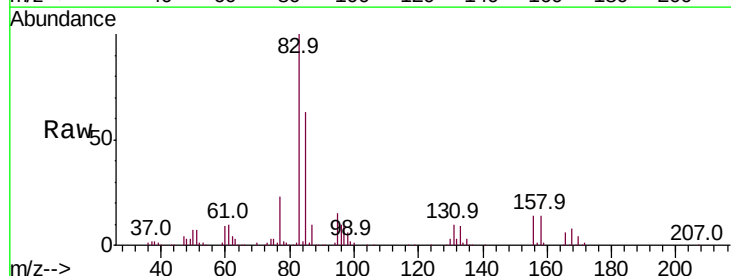
RT: 12.50 min Scan# 3337

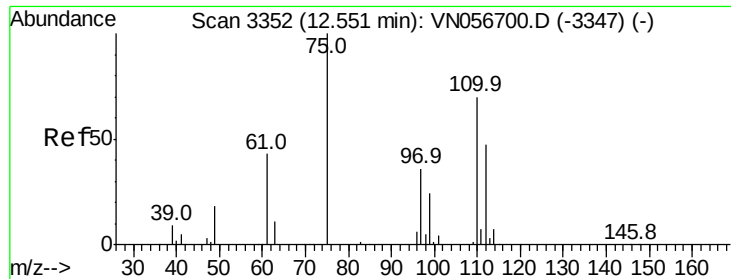
Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Tgt Ion:	83	Resp:	257522
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.1	32.6	97.8





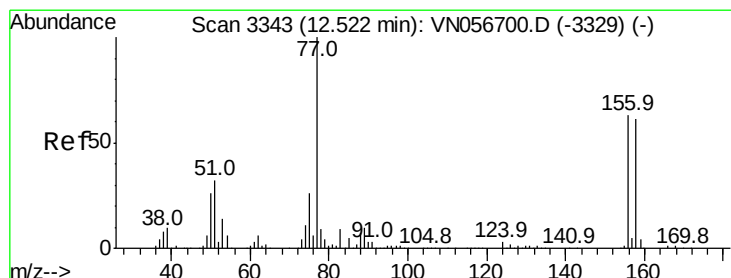
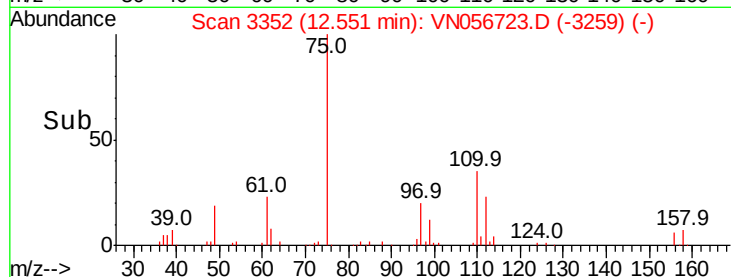
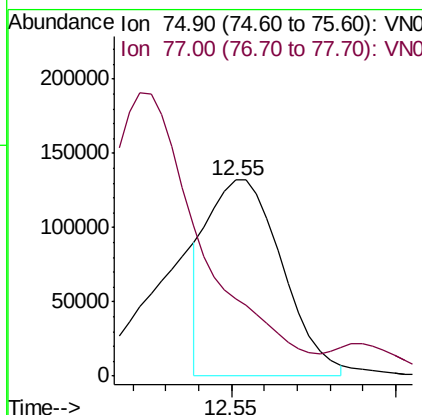
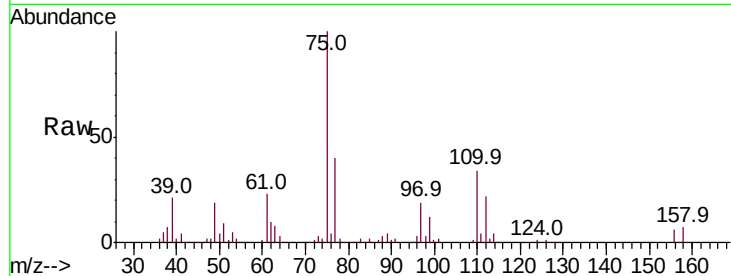
#76
 1,2,3-Trichloropropane
 Concen: 42.391 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

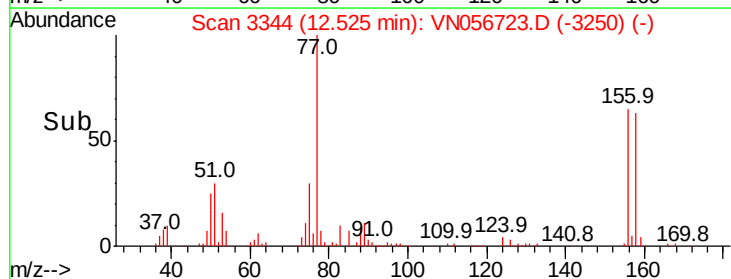
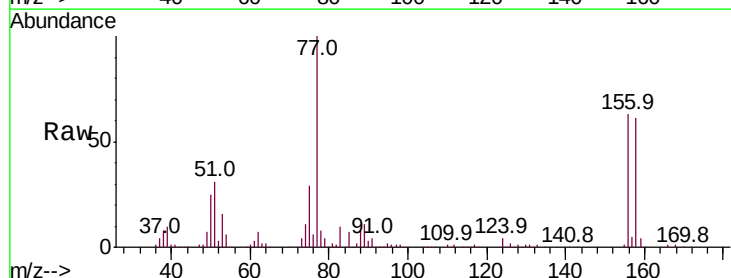
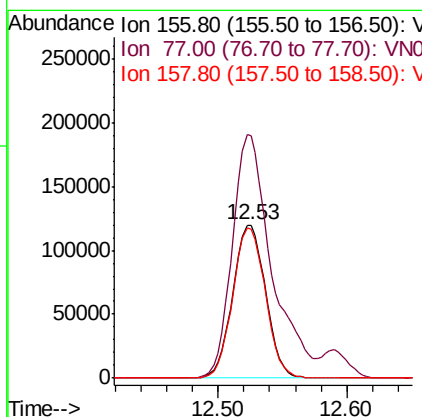
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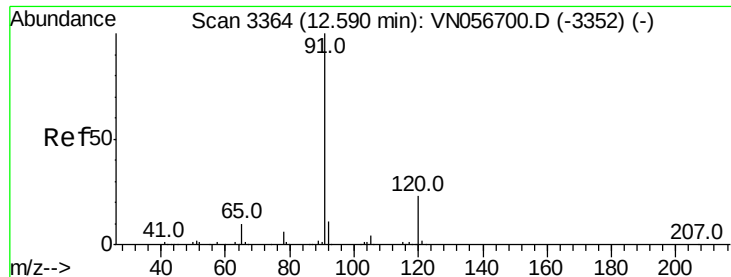
MMDadoda
 7/17/2019 1:31:41 AM



#77
 Bromobenzene
 Concen: 44.640 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.0	97.2	291.6
158	97.4	48.9	146.8





#78

n-propylbenzene

Concen: 44.916 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 91 Resp: 906162

Ion Ratio Lower Upper

91 100

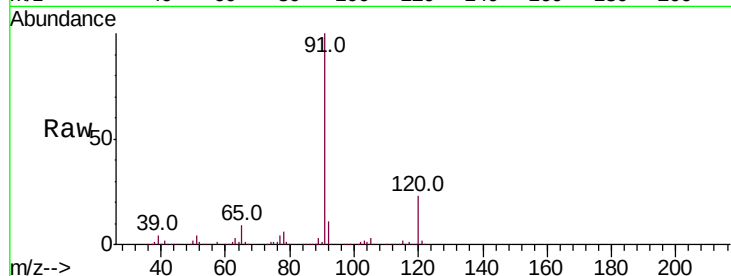
120 23.4 11.8 35.3

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Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3352) (-)

12.59

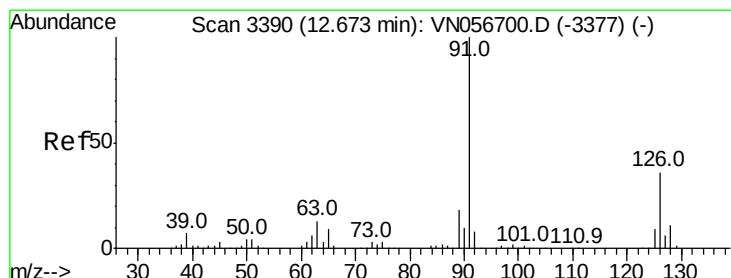
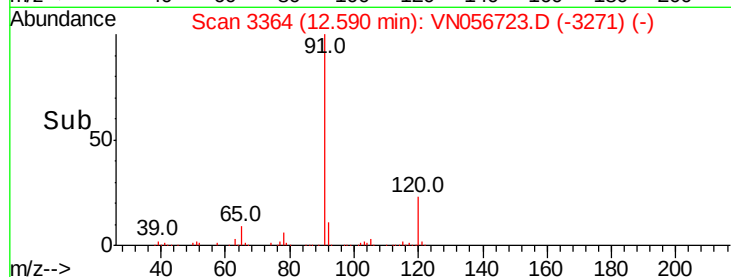
600000

400000

200000

0

Time-->



#79

2-Chlorotoluene

Concen: 47.969 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056723.D

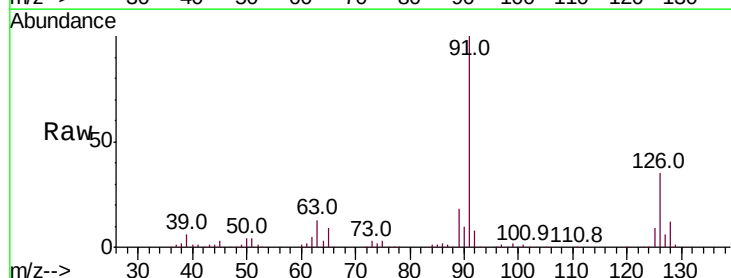
Acq: 15 Jul 2019 19:32

Tgt Ion: 91 Resp: 535522

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



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

Ion 126.00 (125.60 to 126.60): VN056700.D (-3377) (-)

12.67

600000

500000

400000

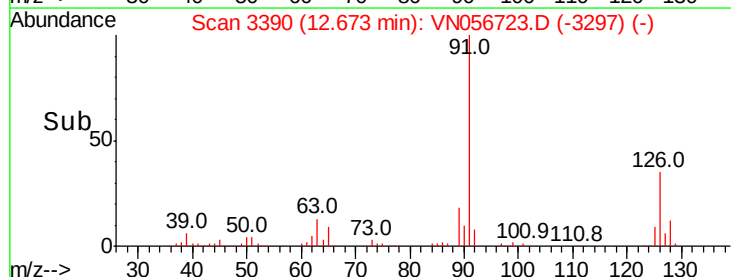
300000

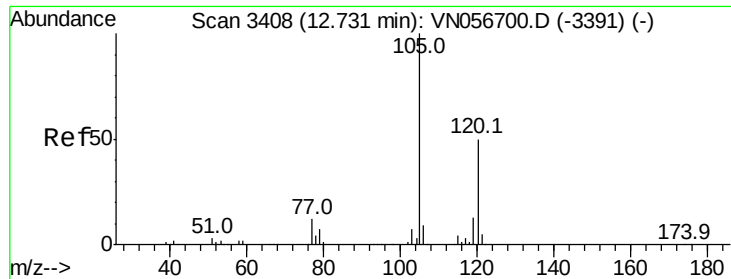
200000

100000

0

Time-->





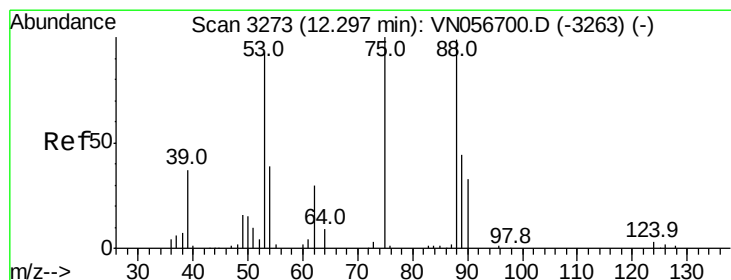
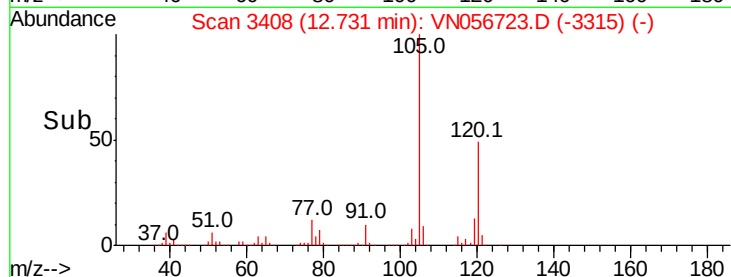
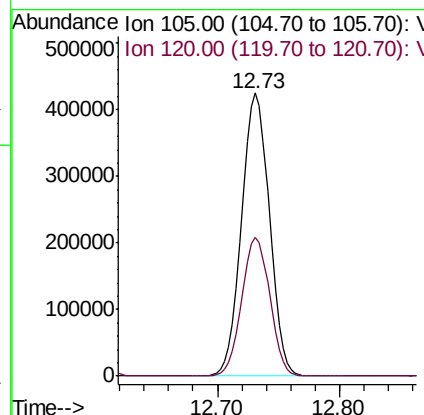
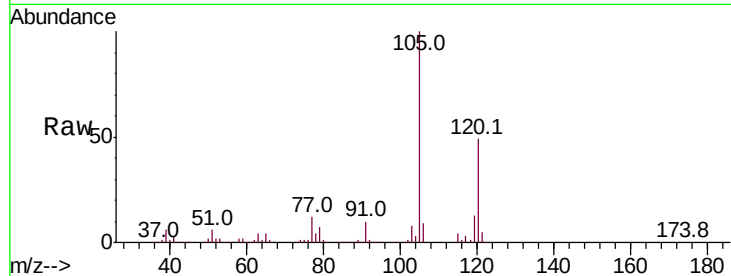
#80
 1,3,5-Trimethylbenzene
 Concen: 43.524 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion:105 Resp: 670340
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.3

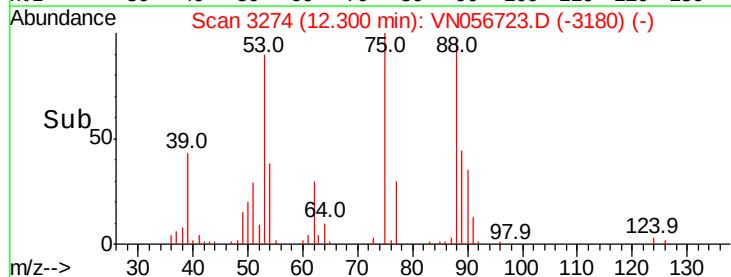
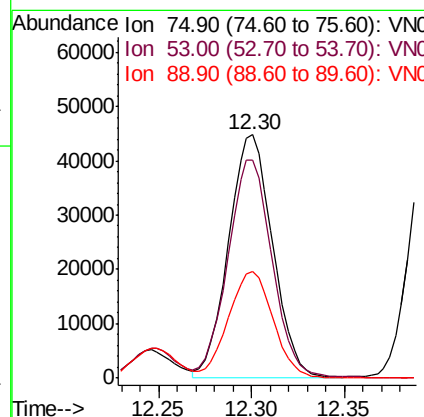
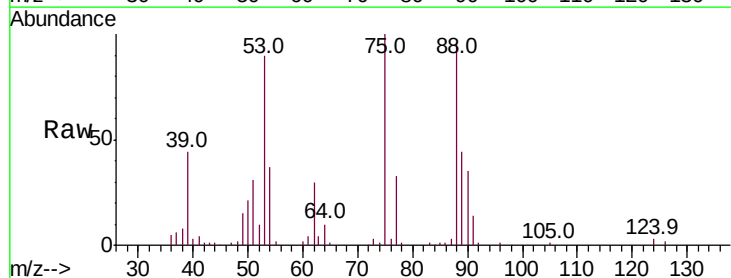
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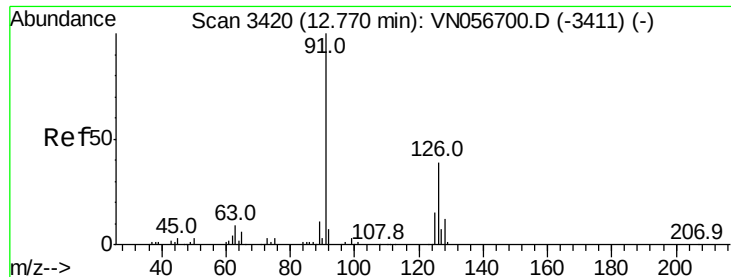
MMDadoda
 7/17/2019 1:31:41 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.444 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 75 Resp: 74130
 Ion Ratio Lower Upper
 75 100
 53 90.2 73.7 110.5
 89 44.0 36.2 54.2





#82

4-Chlorotoluene

Concen: 45.245 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 91 Resp: 535673

Ion Ratio Lower Upper

91 100

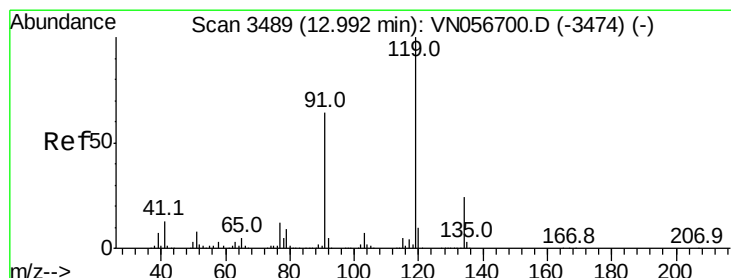
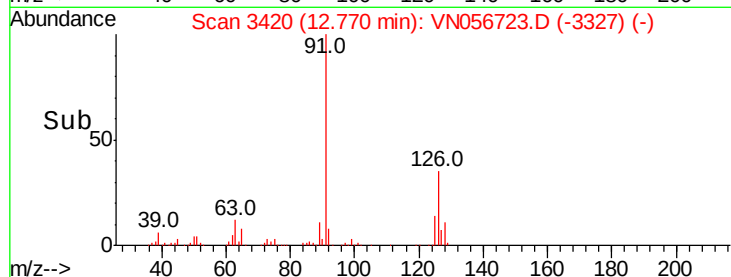
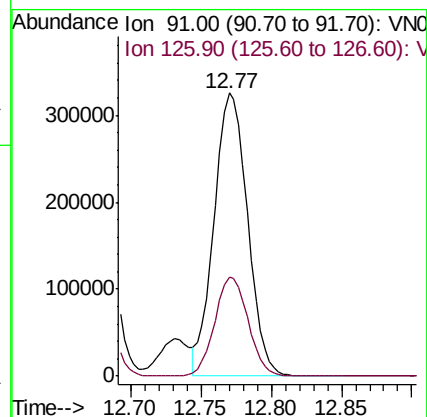
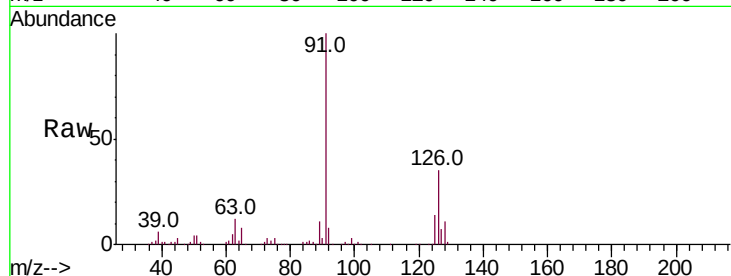
126 35.0 17.6 52.8

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#83

tert-Butylbenzene

Concen: 47.953 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

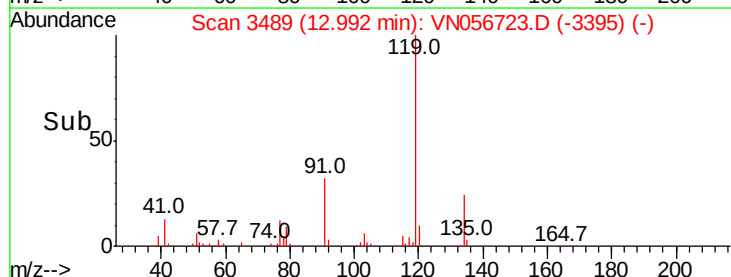
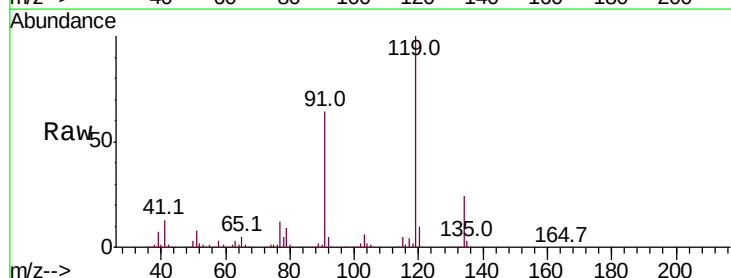
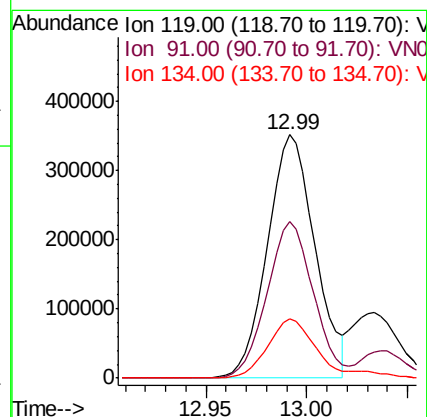
Tgt Ion: 119 Resp: 576438

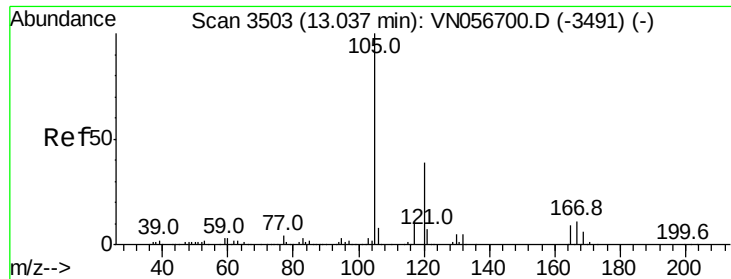
Ion Ratio Lower Upper

119 100

91 62.6 31.8 95.4

134 26.0 13.0 38.9





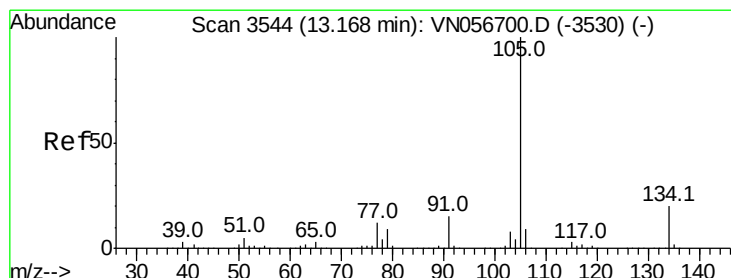
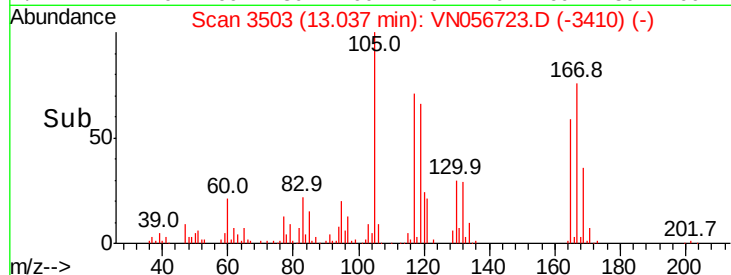
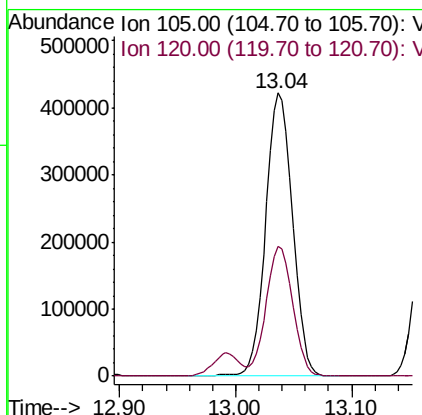
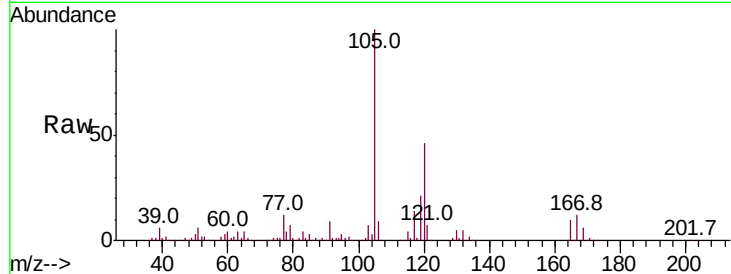
#84
 1,2,4-Trimethylbenzene
 Concen: 45.045 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion:105 Resp: 677765
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8

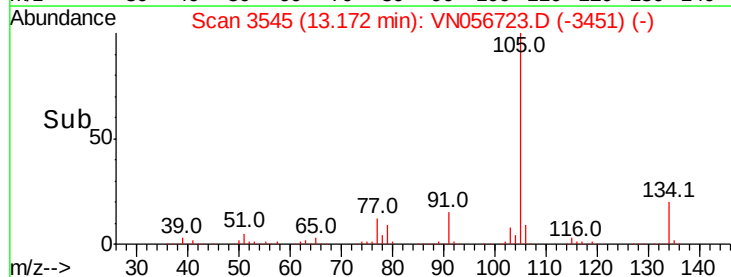
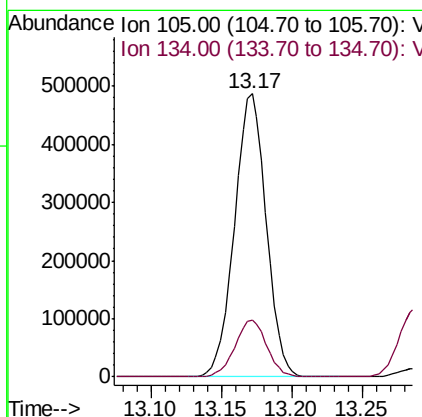
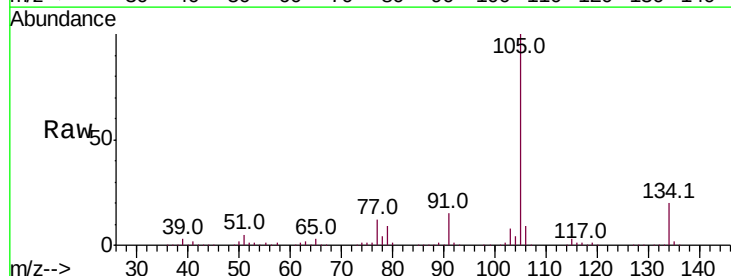
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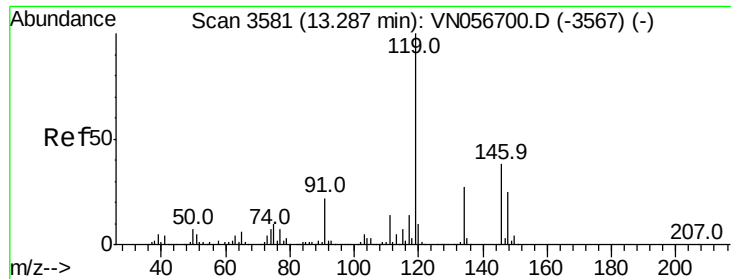
MMDadoda
 7/17/2019 1:31:41 AM



#85
 sec-Butylbenzene
 Concen: 44.669 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion:105 Resp: 764467
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1





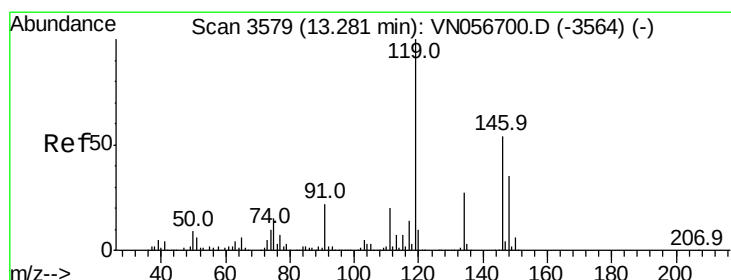
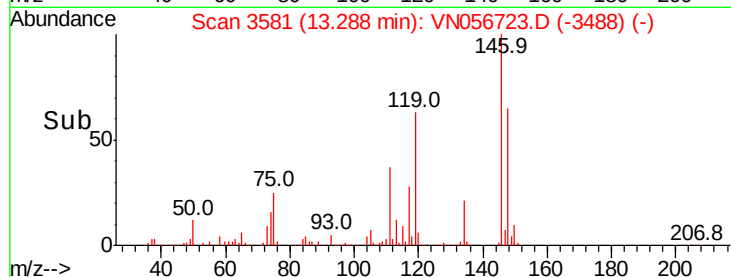
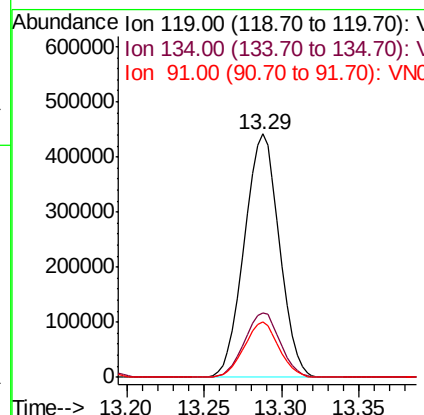
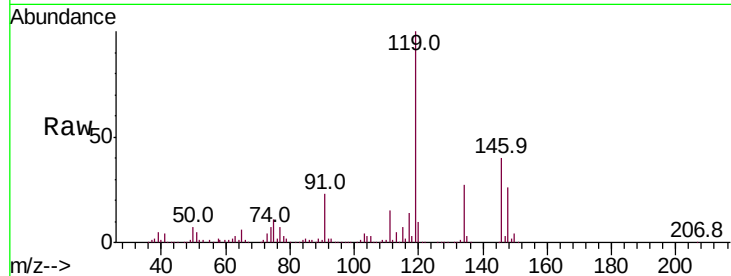
#86
 p-Isopropyltoluene
 Concen: 44.727 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.4	11.2	33.5

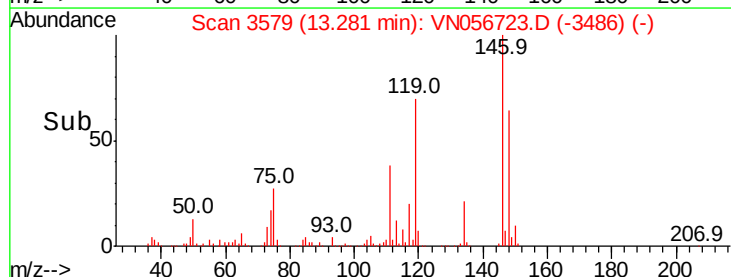
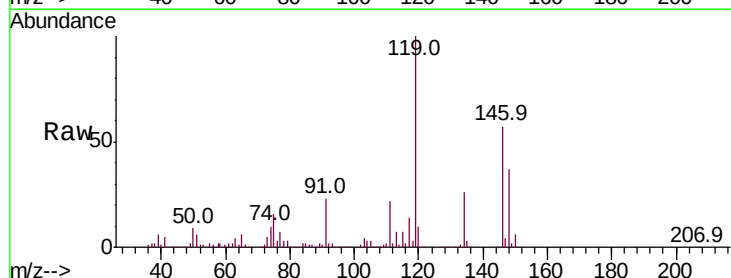
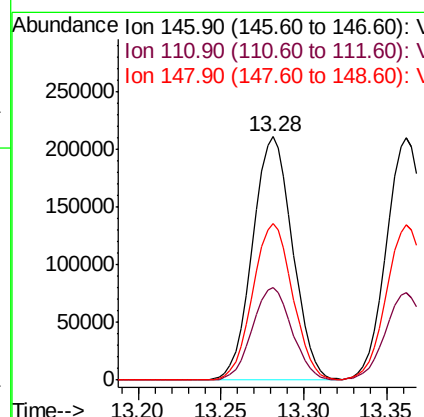
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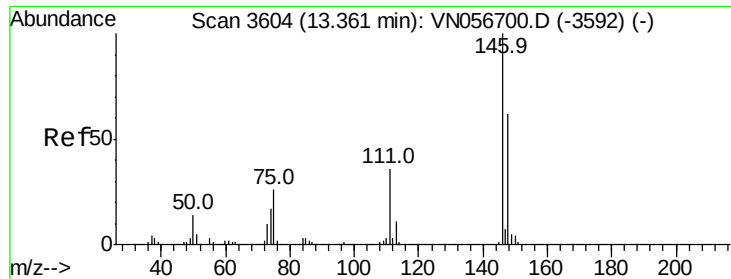
MMDadoda
 7/17/2019 1:31:41 AM



#87
 1,3-Dichlorobenzene
 Concen: 45.365 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.4	32.3	96.8





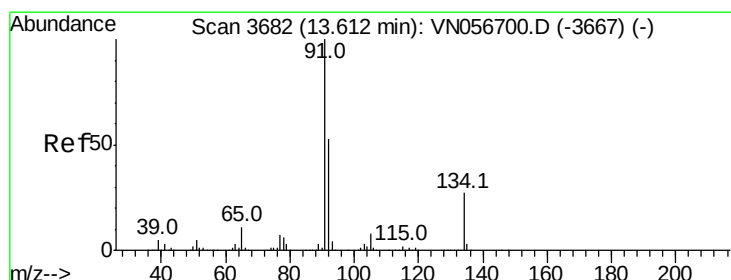
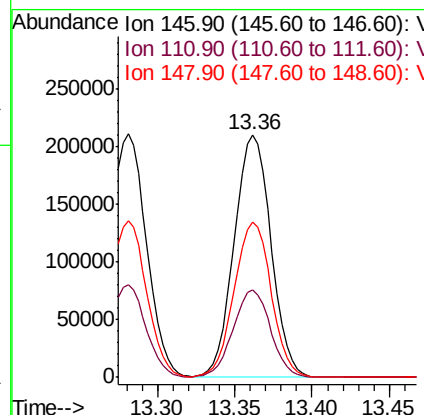
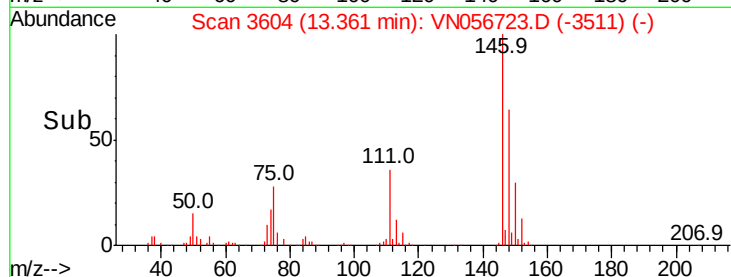
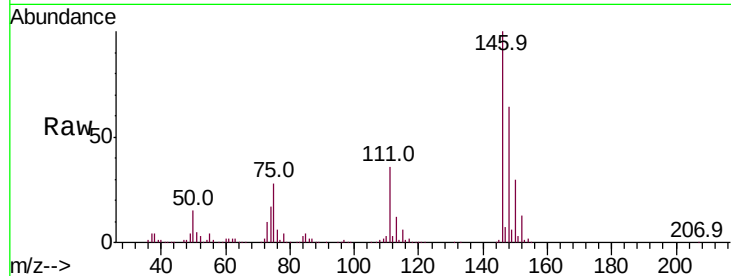
#88
 1,4-Dichlorobenzene
 Concen: 45.825 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.5	31.9	95.7

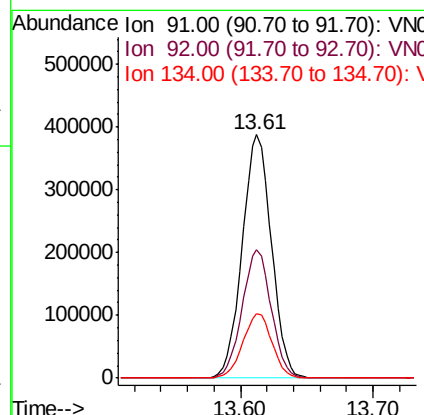
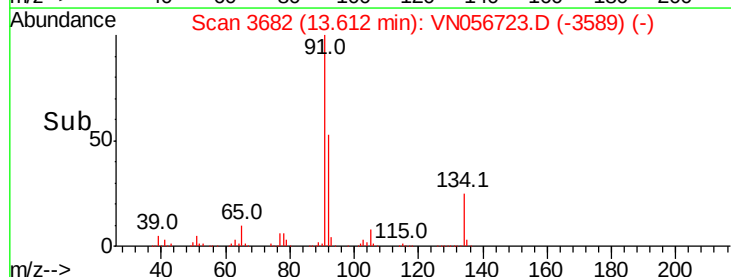
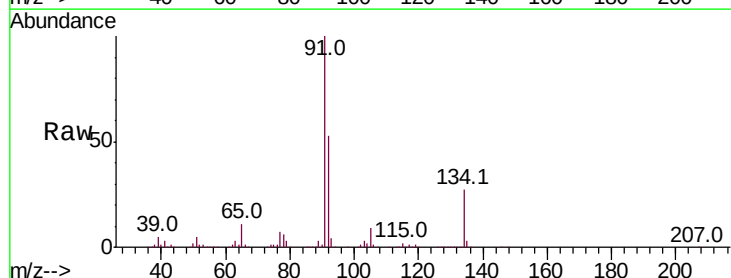
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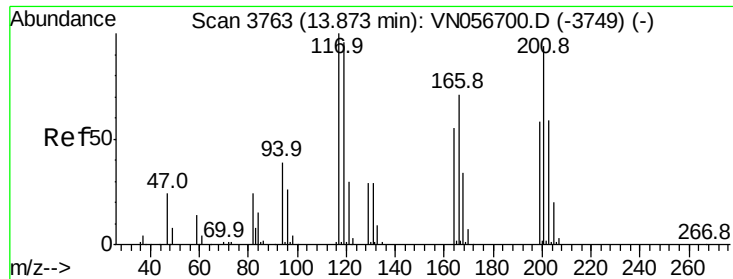
MMDadoda
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#89
 n-Butylbenzene
 Concen: 47.410 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	26.4	13.4	40.2





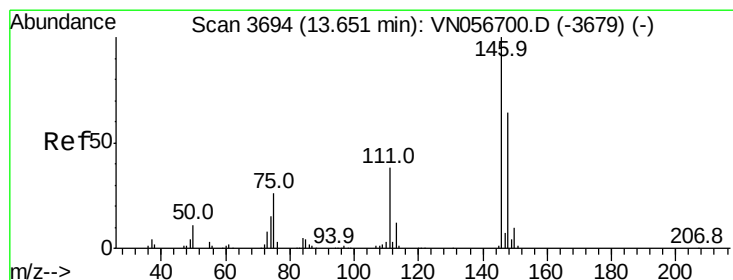
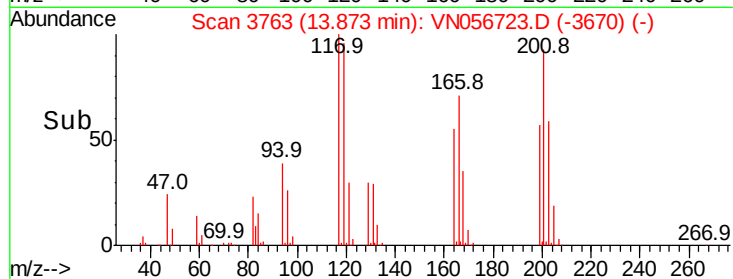
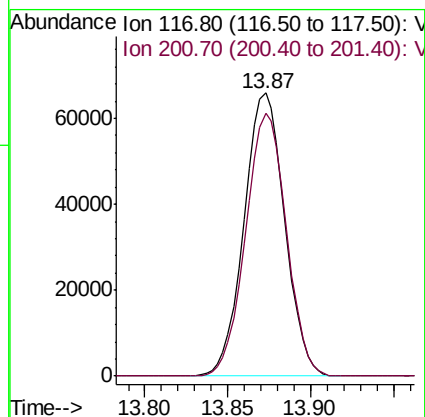
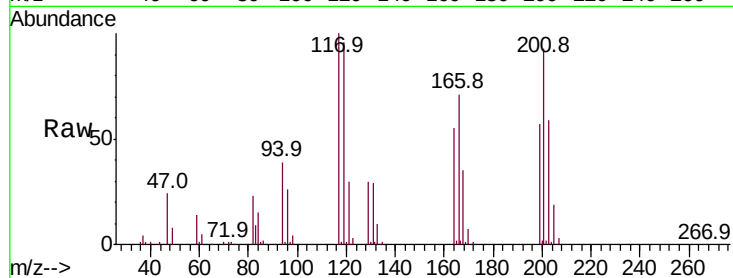
#90
Hexachloroethane
Concen: 44.827 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	112387		
201	92.7	46.5	139.5	

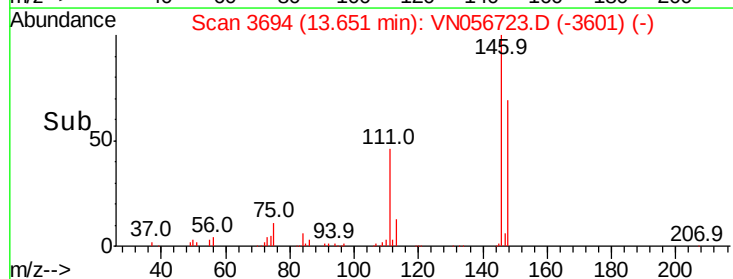
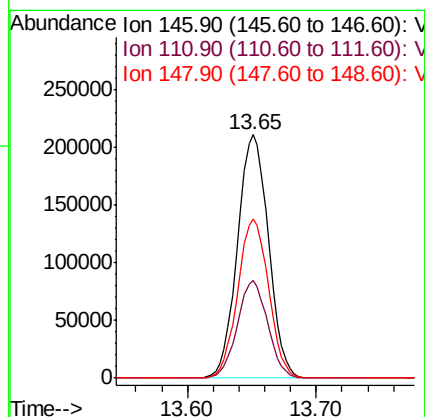
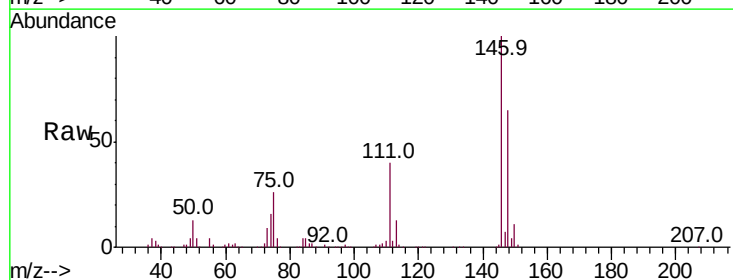
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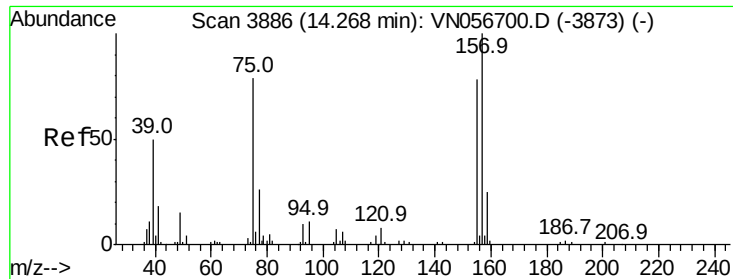
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#91
1,2-Dichlorobenzene
Concen: 44.265 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	352649		
111	39.4	19.1	57.1	
148	65.2	31.7	95.1	





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.088 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

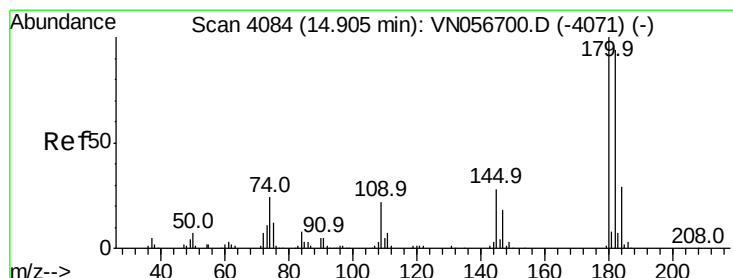
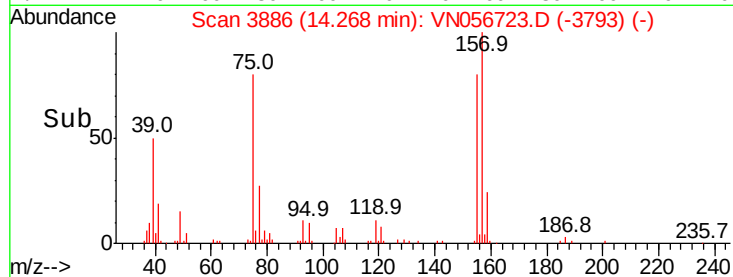
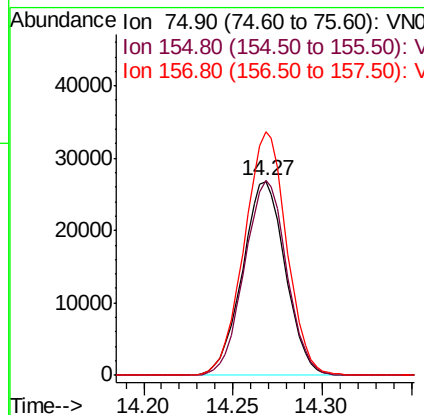
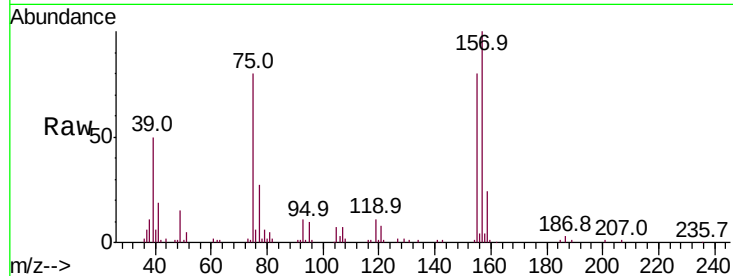
ClientSampleId :

SA-TW532-2126MSD

Tot Ion:	75	Resp:	44910
Ion	Ratio	Lower	Upper
75	100		
155	98.7	49.3	147.9
157	124.2	62.4	187.1

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#93

1,2,4-Trichlorobenzene

Concen: 45.413 ug/l

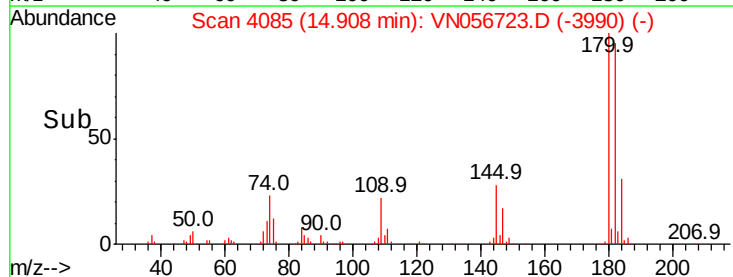
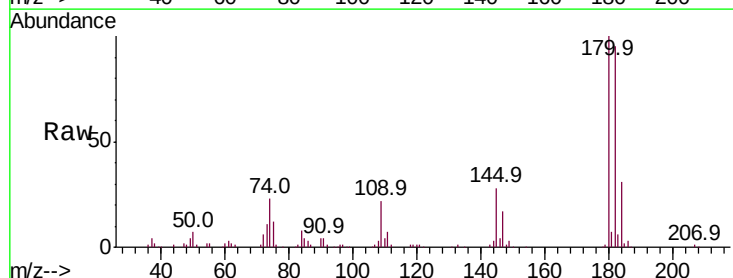
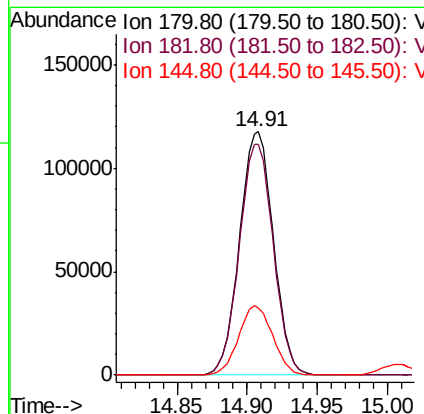
RT: 14.91 min Scan# 4085

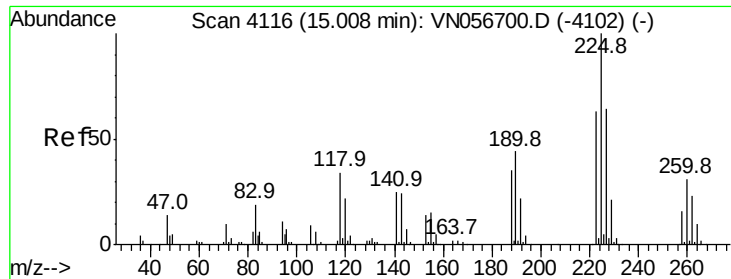
Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Tgt Ion:	180	Resp:	198268
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	28.6	14.2	42.8





#94

Hexachlorobutadiene

Concen: 46.095 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

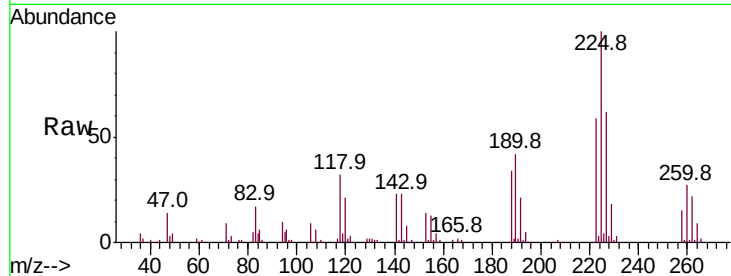
ClientSampleId :

SA-TW532-2126MSD

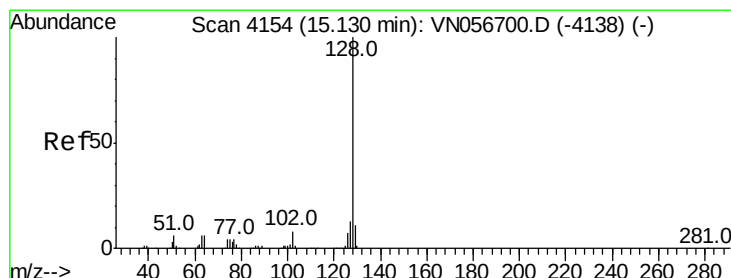
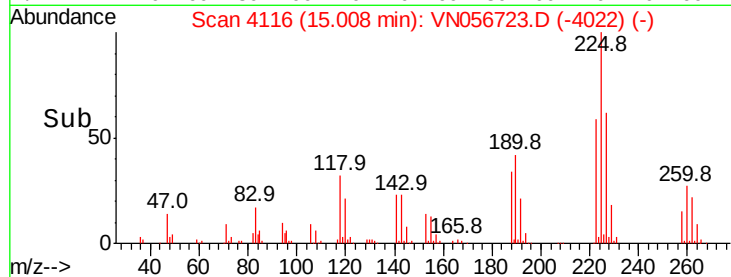
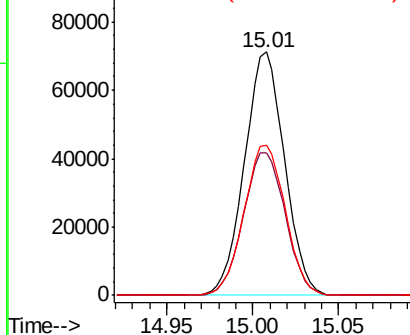
Tot Ion:	225	Resp:	115628
Ion Ratio		Lower	Upper
225	100		
223	61.0	31.5	94.5
227	63.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:41 AM



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



#95

Naphthalene

Concen: 45.319 ug/l

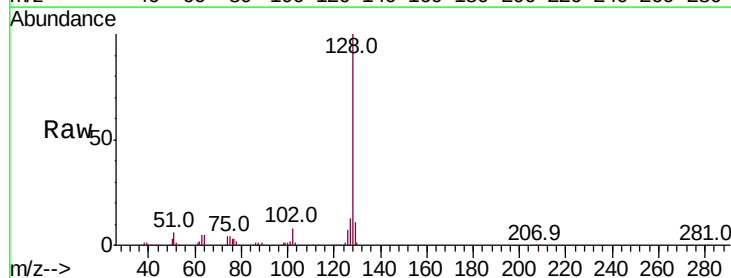
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

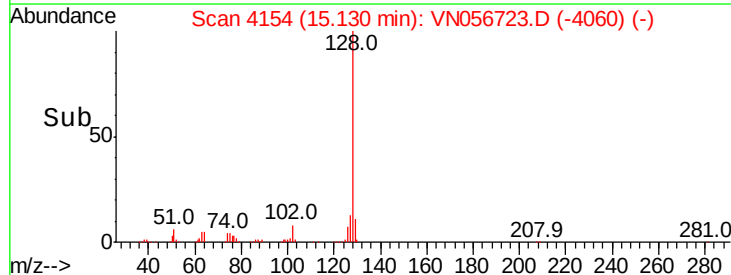
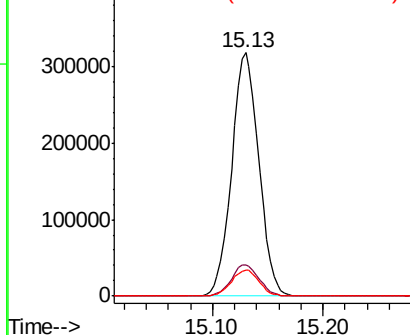
Lab File: VN056723.D

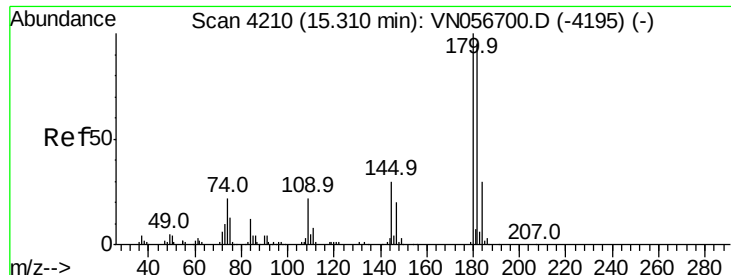
Acq: 15 Jul 2019 19:32

Tgt Ion:	128	Resp:	541610
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





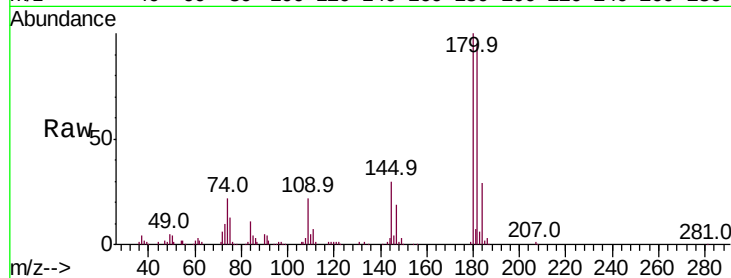
#96
 1,2,3-Trichlorobenzene
 Concen: 47.186 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion:	180	Resp:	205321
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.1	141.3
145	29.6	15.0	45.1

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:41 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

