

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056925.D
 Acq On : 25 Jul 2019 16:12
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:03 PM

Quant Time: Jul 26 03:41:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	454523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	684819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	641459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	310205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	704891	143.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.76%	
35) Dibromofluoromethane	7.57	113	649855	146.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.64%	
50) Toluene-d8	10.08	98	2512691	148.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.94%	
62) 4-Bromofluorobenzene	12.40	95	909790	165.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	803280	160.128	ug/l	100
3) Chloromethane	2.04	50	897377	143.268	ug/l	98
4) Vinyl Chloride	2.17	62	857754	149.151	ug/l	99
5) Bromomethane	2.51	94	515572	146.604	ug/l	99
6) Chloroethane	2.67	64	439115	138.149	ug/l	99
7) Trichlorofluoromethane	2.99	101	1054049	146.934	ug/l	99
8) Diethyl Ether	3.39	74	416822	155.261	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	644634	146.031	ug/l	99
10) Methyl Iodide	3.93	142	1007131	170.341	ug/l	100
11) Tert butyl alcohol	4.78	59	506181	746.084	ug/l	100
12) 1,1-Dichloroethene	3.71	96	658114	149.280	ug/l	100
13) Acrolein	3.59	56	280589	537.269	ug/l	100
14) Allyl chloride	4.30	41	1091462	150.867	ug/l	99
15) Acrylonitrile	4.96	53	1558979	758.381	ug/l	100
16) Acetone	3.80	43	1219915	692.152	ug/l	99
17) Carbon Disulfide	4.03	76	1802694	150.580	ug/l	100
18) Methyl Acetate	4.30	43	819947	120.582	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1983036	152.545	ug/l	99
20) Methylene Chloride	4.53	84	741490	142.709	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	689088	149.588	ug/l	99
22) Diisopropyl ether	5.93	45	2167666	148.290	ug/l	98
23) Vinyl Acetate	5.87	43	8005034	762.735	ug/l	100
24) 1,1-Dichloroethane	5.82	63	1256240	148.078	ug/l	100
25) 2-Butanone	6.82	43	1935728	755.325	ug/l	99
26) 2,2-Dichloropropane	6.80	77	951697	157.978	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	803159	151.664	ug/l	99
28) Bromochloromethane	7.18	49	569373	147.524	ug/l	100
29) Tetrahydrofuran	7.19	42	1273427	730.277	ug/l	99
30) Chloroform	7.36	83	1223382	143.542	ug/l	98
31) Cyclohexane	7.63	56	1174578	143.163	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1050792	152.411	ug/l	99
36) 1,1-Dichloropropene	7.78	75	961083	152.126	ug/l	99
37) Ethyl Acetate	6.91	43	784701	155.154	ug/l	100
38) Carbon Tetrachloride	7.76	117	924560	153.252	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1219604	153.638	ug/l	99
40) Benzene	8.03	78	2919940	148.432	ug/l	98
41) Methacrylonitrile	7.16	41	409886	167.846	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	892557	145.224	ug/l	99
43) Isopropyl Acetate	8.15	43	1326573	152.019	ug/l	100
44) Trichloroethene	8.82	130	801773	151.315	ug/l	98
45) 1,2-Dichloropropane	9.11	63	781338	147.075	ug/l	99
46) Dibromomethane	9.20	93	486754	148.452	ug/l	100
47) Bromodichloromethane	9.39	83	971387	157.161	ug/l	99
48) Methyl methacrylate	9.19	41	658547	151.277	ug/l	100
49) 1,4-Dioxane	9.19	88	260817	3032.119	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3924689	755.786	ug/l	99
52) Toluene	10.15	92	1829360	154.305	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	1078451	170.772	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	1221319	163.578	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	706491	150.088	ug/l	100
56) Ethyl methacrylate	10.42	69	1083256	166.709	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1195558	153.564	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2227303	822.756	ug/l	99
59) 2-Hexanone	10.74	43	2846301	789.452	ug/l	99
60) Dibromochloromethane	10.90	129	796764	168.610	ug/l	100
61) 1,2-Dibromoethane	11.00	107	743896	159.471	ug/l	98
64) Tetrachloroethene	10.62	164	781069	139.776	ug/l	98
65) Chlorobenzene	11.43	112	2010515	150.078	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	748924	148.177	ug/l	99
67) Ethyl Benzene	11.50	91	3567119	154.087	ug/l	100
68) m/p-Xylenes	11.61	106	2673351	308.369	ug/l	99
69) o-Xylene	11.94	106	1296067	153.502	ug/l	100
70) Styrene	11.96	104	2246637	166.857	ug/l	99
71) Bromoform	12.12	173	589282	169.357	ug/l #	100
73) Isopropylbenzene	12.24	105	3477232	127.171	ug/l	100
74) N-amyl acetate	12.06	43	1187669	131.218	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	965678	120.184	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	764313m	116.907	ug/l	
77) Bromobenzene	12.52	156	934524	136.989	ug/l	99
78) n-propylbenzene	12.59	91	3975048	137.807	ug/l	100
79) 2-Chlorotoluene	12.67	91	2328755	129.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2949697	129.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	311362	154.976	ug/l	96
82) 4-Chlorotoluene	12.77	91	2364842	138.145	ug/l	99
83) tert-Butylbenzene	12.99	119	2518683	126.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2946190	135.697	ug/l	100
85) sec-Butylbenzene	13.17	105	3408533	133.517	ug/l	100
86) p-Isopropyltoluene	13.28	119	3131455	137.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1590826	145.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1563454	147.525	ug/l	99
89) n-Butylbenzene	13.61	91	2705002	154.930	ug/l	100
90) Hexachloroethane	13.87	117	536087	136.095	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1537634	140.011	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	166787	140.257	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Jul 26 03:12:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	925506	195.949	ug/l	100
94) Hexachlorobutadiene	15.00	225	528424	122.373	ug/l	99
95) Naphthalene	15.12	128	2411924	194.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	938923	179.870	ug/l	99

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

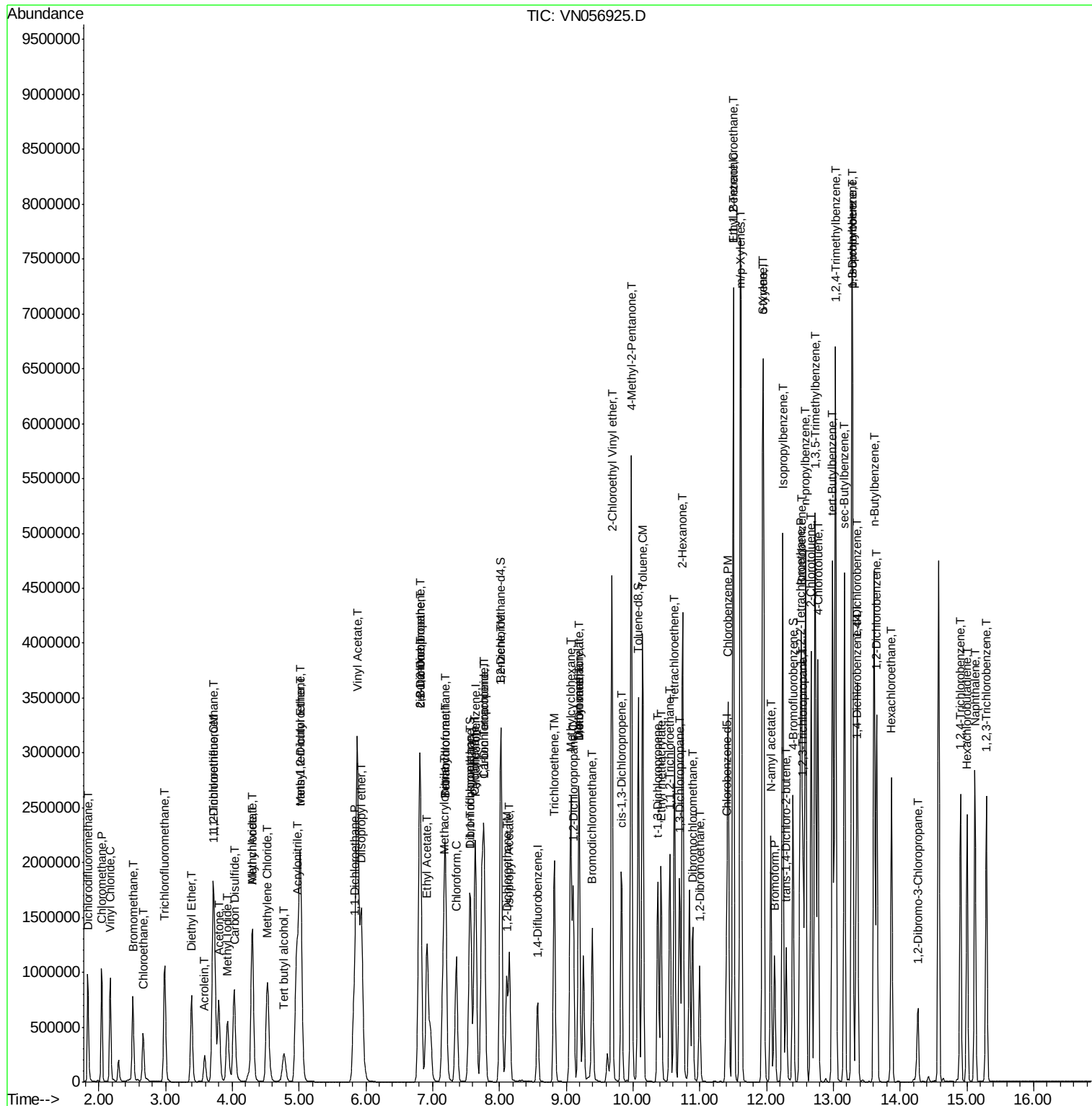
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 Data File : VN056925.D
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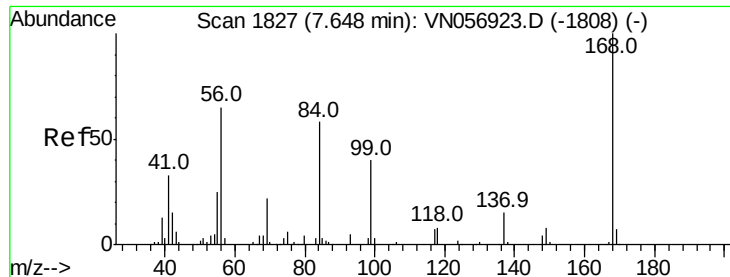
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 454523

Ion Ratio Lower Upper

168 100

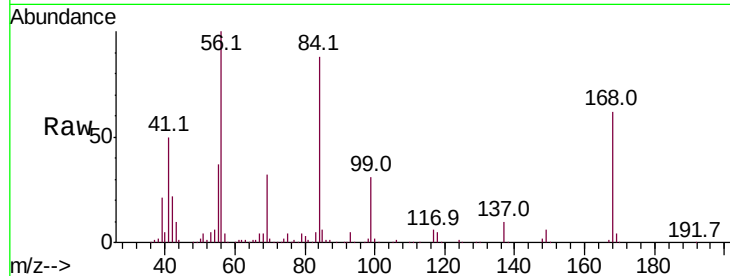
99 49.4 38.6 58.0

Manual Integrations

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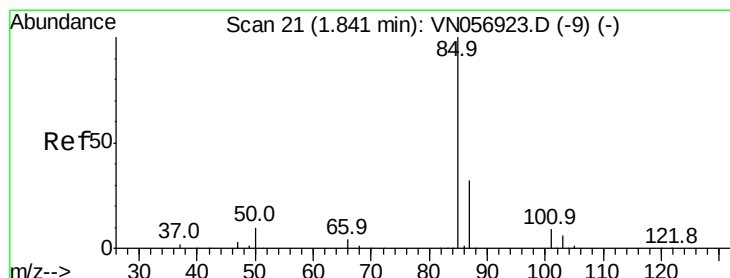
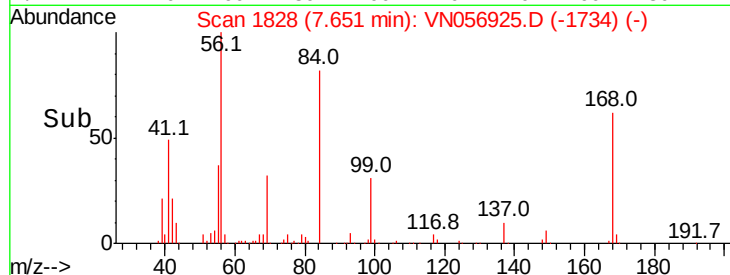
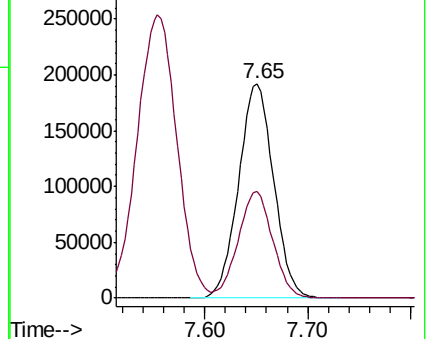
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 160.128 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN056925.D

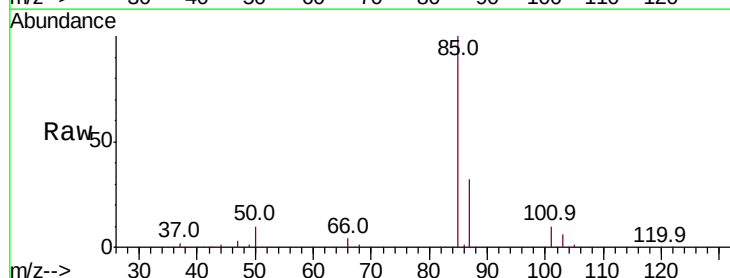
Acq: 25 Jul 2019 16:12

Tgt Ion: 85 Resp: 803280

Ion Ratio Lower Upper

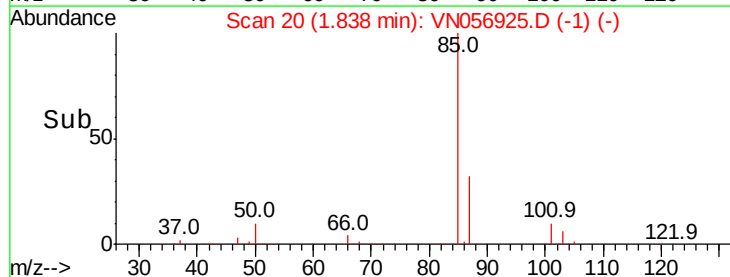
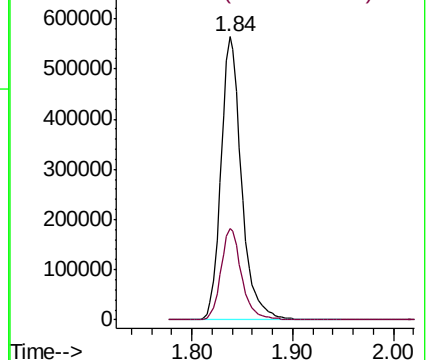
85 100

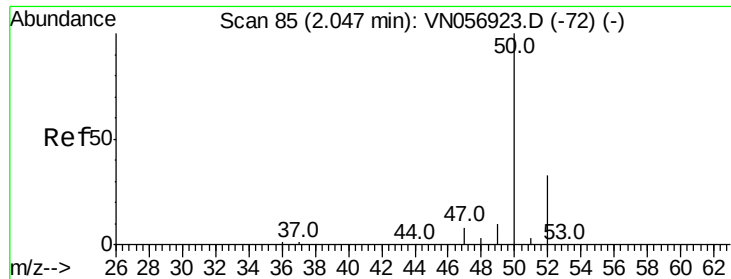
87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 143.268 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 897377

Ion Ratio Lower Upper

50 100

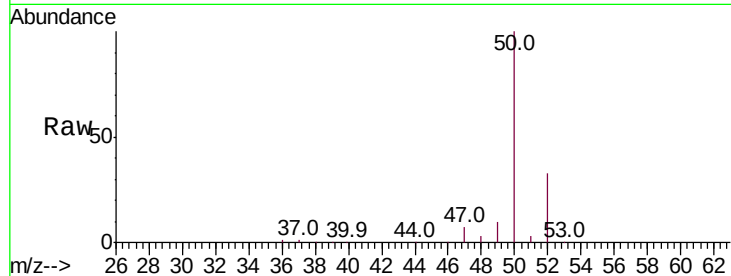
52 32.6 26.8 40.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

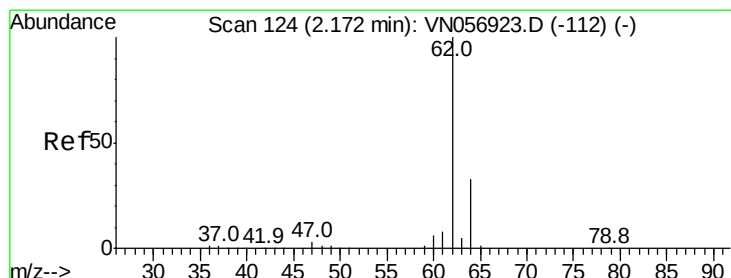
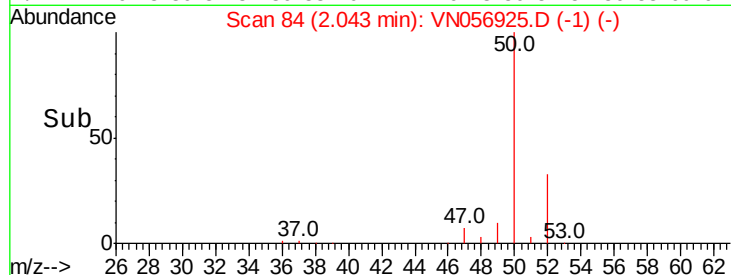
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 149.151 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN056925.D

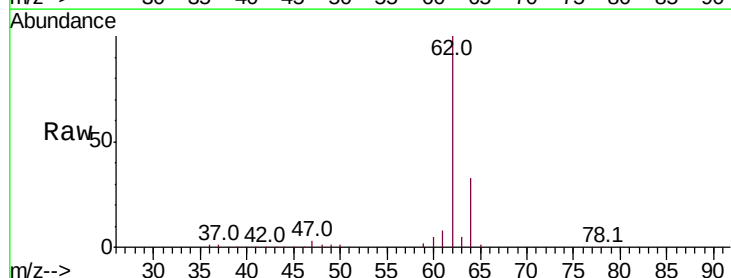
Acq: 25 Jul 2019 16:12

Tgt Ion: 62 Resp: 857754

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

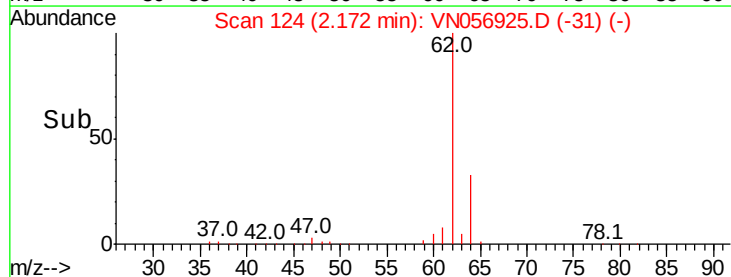
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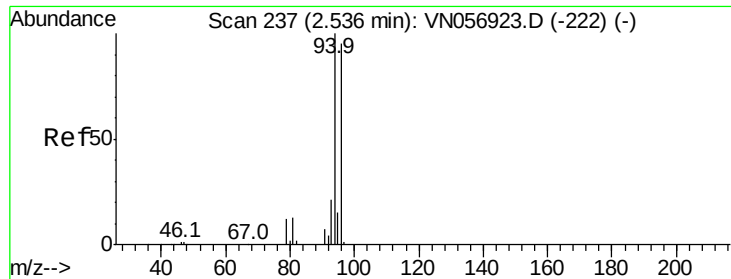
400000

200000

0

Time-->





#5

Bromomethane

Concen: 146.604 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 515572

Ion Ratio Lower Upper

94 100

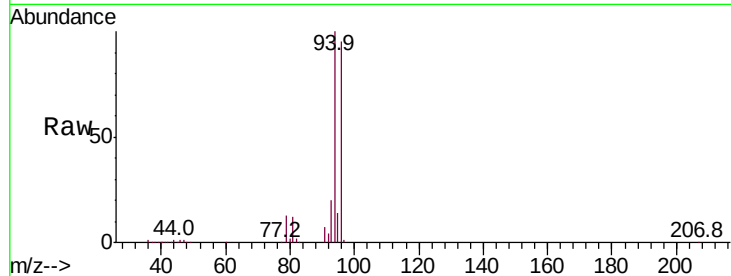
96 95.3 75.7 113.5

Manual Integrations

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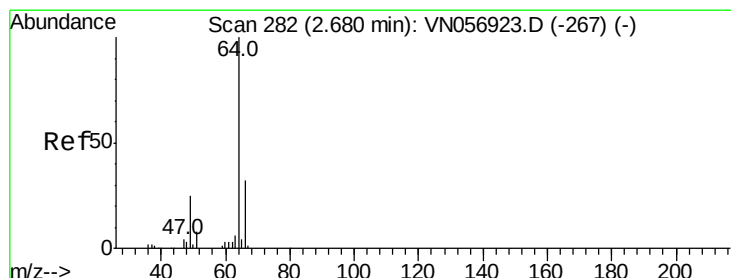
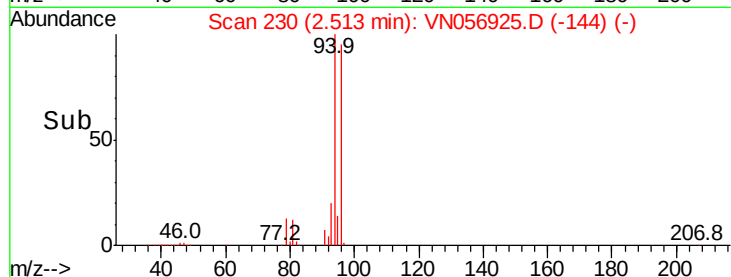
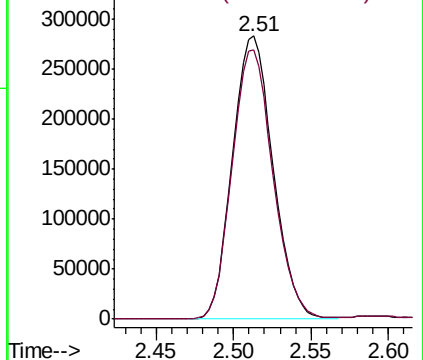
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 138.149 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN056925.D

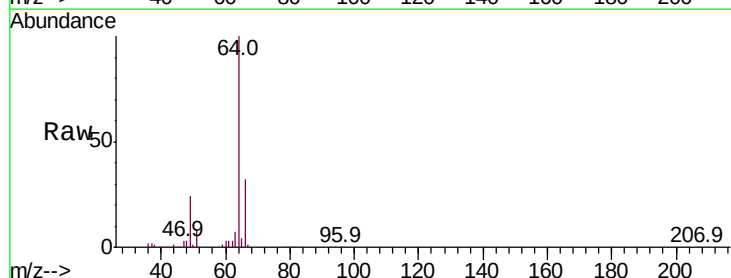
Acq: 25 Jul 2019 16:12

Tgt Ion: 64 Resp: 439115

Ion Ratio Lower Upper

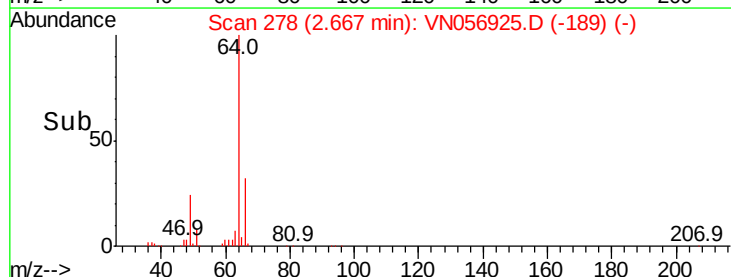
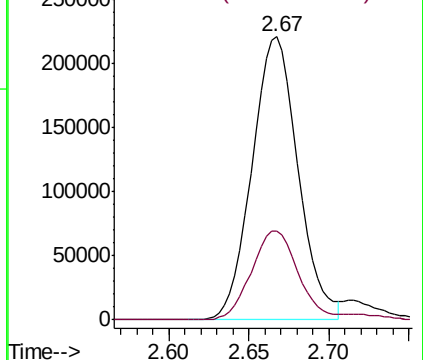
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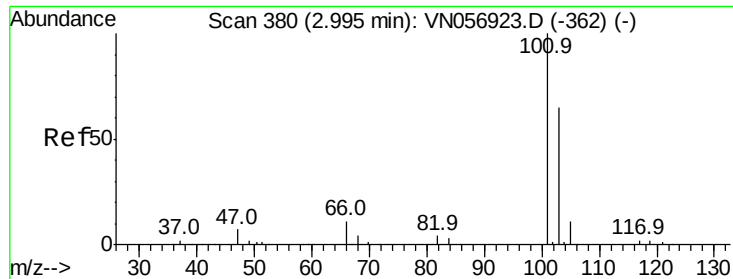
66 31.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

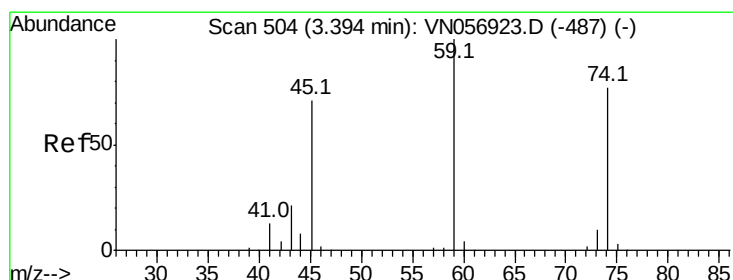
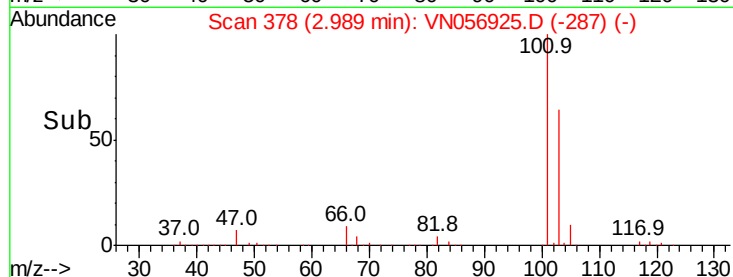
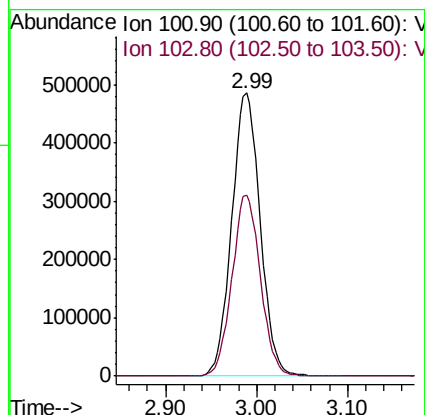
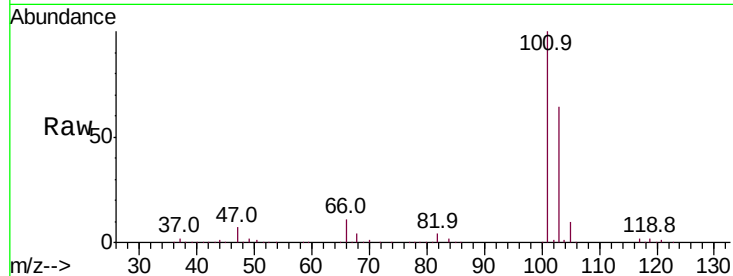
Trichlorofluoromethane
Concen: 146.934 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1054049
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

Manual Integrations
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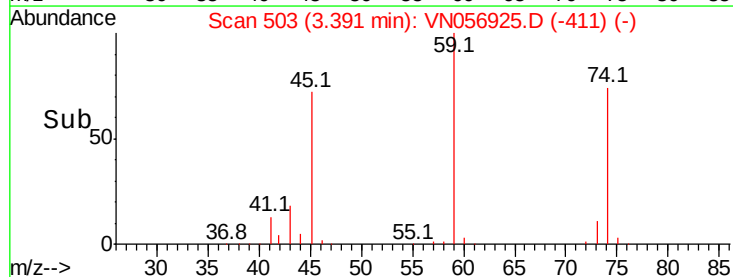
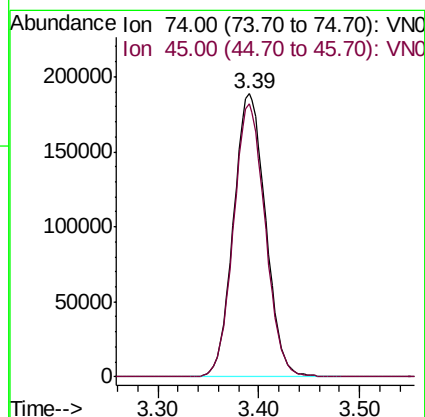
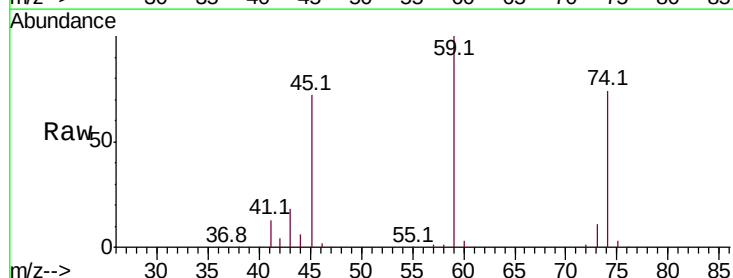
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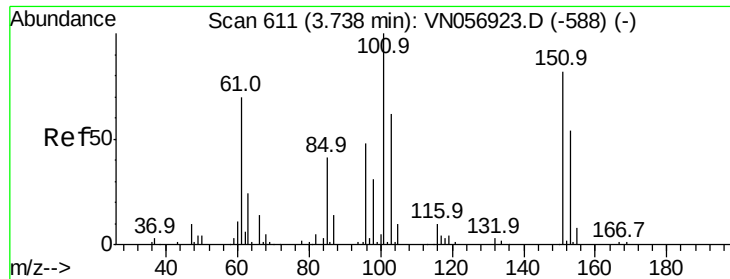


#8

Diethyl Ether
Concen: 155.261 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 74 Resp: 416822
Ion Ratio Lower Upper
74 100
45 95.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.031 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

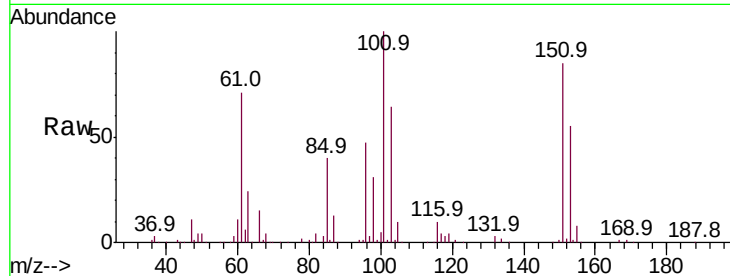
ClientSampleId :

VSTDIC150

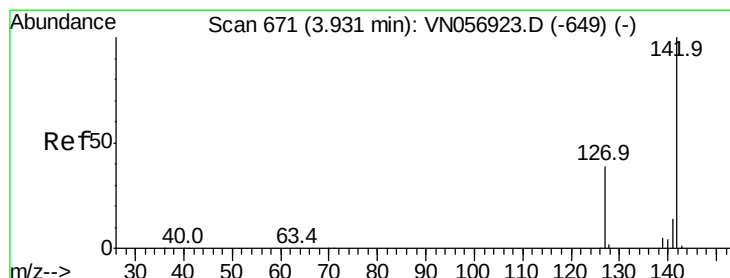
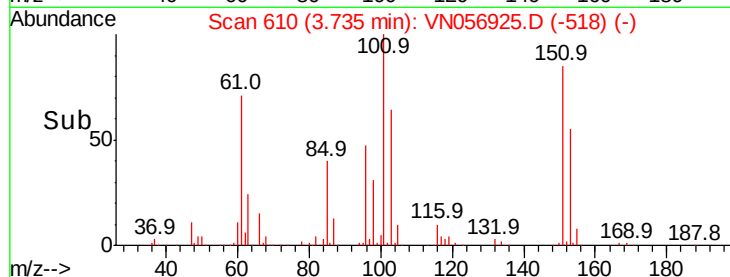
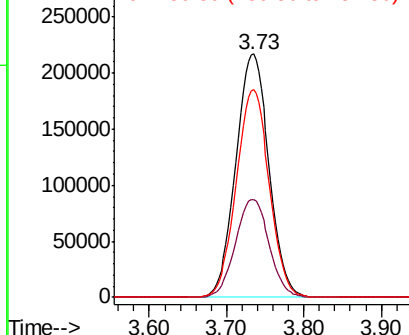
Tot Ion:	101	Resp:	644634
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	85.1	67.4	101.0

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



#10

Methyl Iodide

Concen: 170.341 ug/l

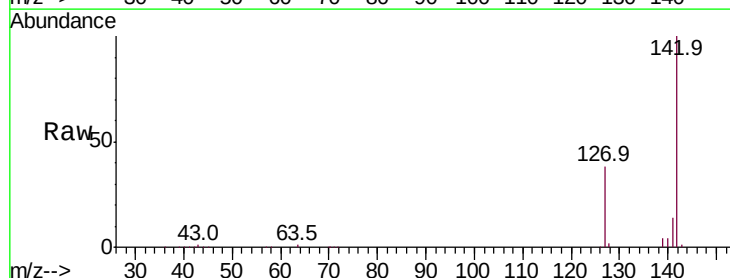
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

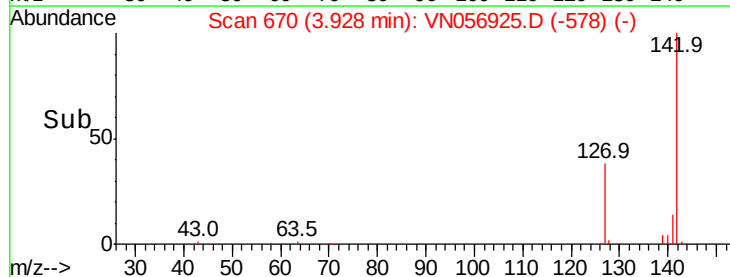
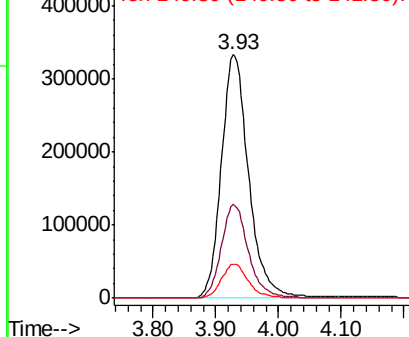
Lab File: VN056925.D

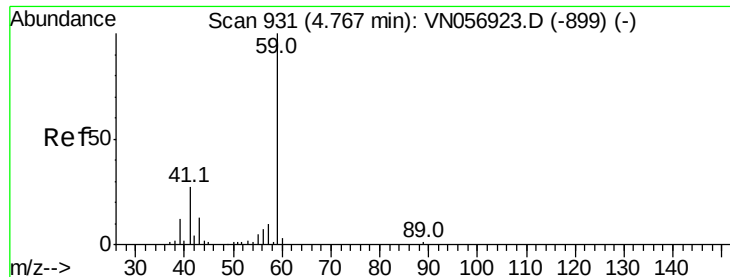
Acq: 25 Jul 2019 16:12

Tgt Ion:	142	Resp:	1007131
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.5	45.7
141	13.8	11.1	16.7



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





#11

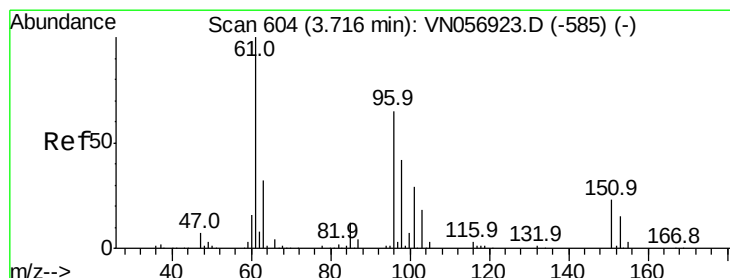
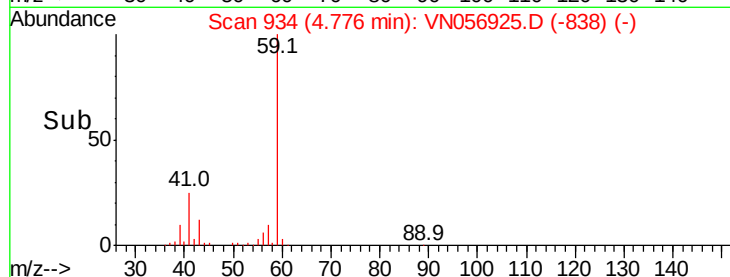
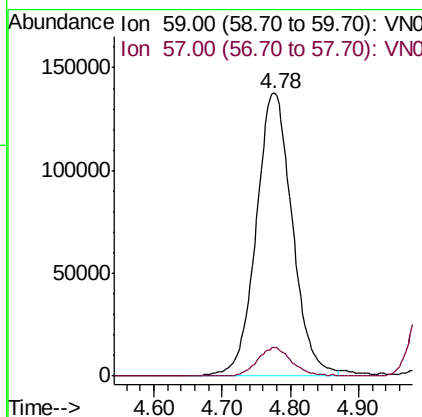
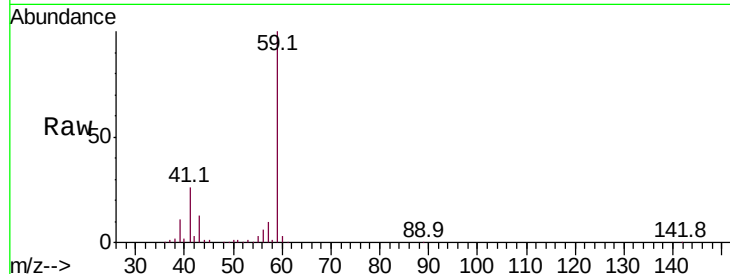
Tert butyl alcohol
 Concen: 746.084 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

Manual Integrations
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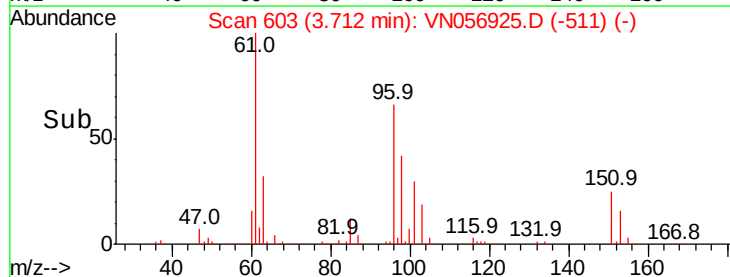
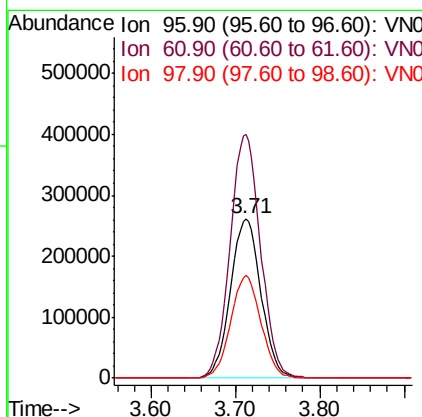
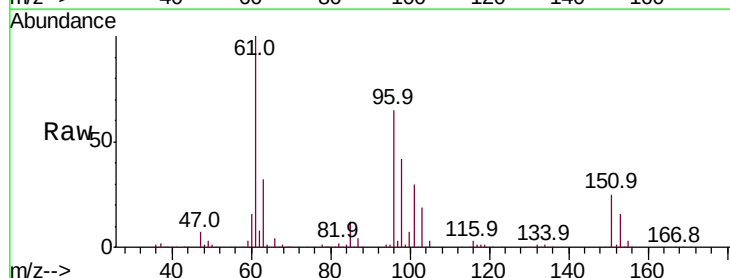
MMDadoda
 7/26/2019 3:37:03 PM

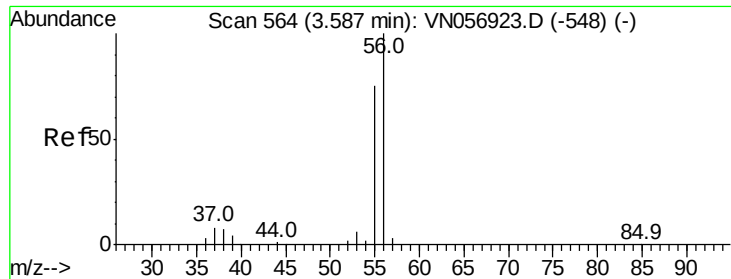


#12

1,1-Dichloroethene
 Concen: 149.280 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	122.4	183.6
98	64.3	51.3	76.9





#13

Acrolein

Concen: 537.269 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 280589

Ion Ratio Lower Upper

56 100

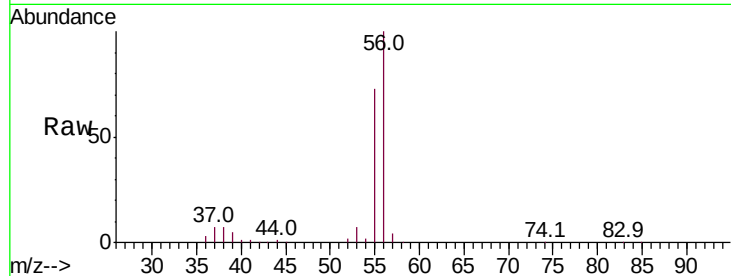
55 71.5 57.5 86.3

Manual Integrations

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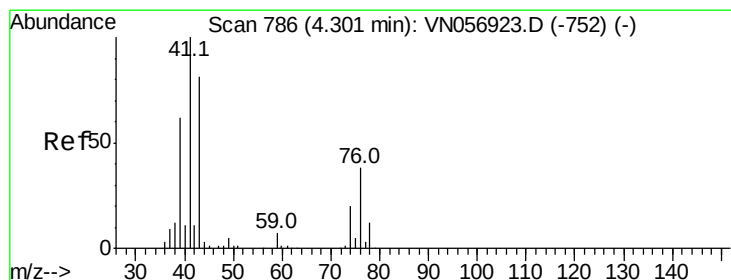
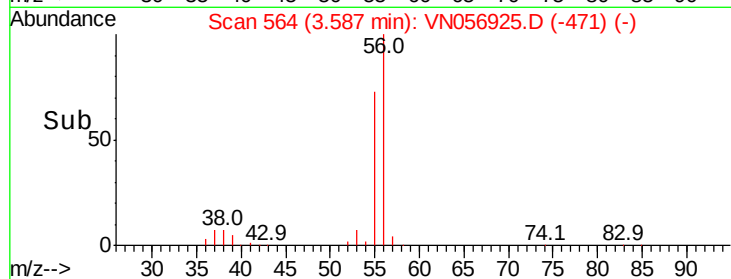
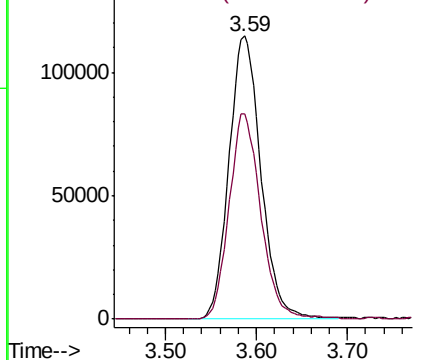
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 150.867 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

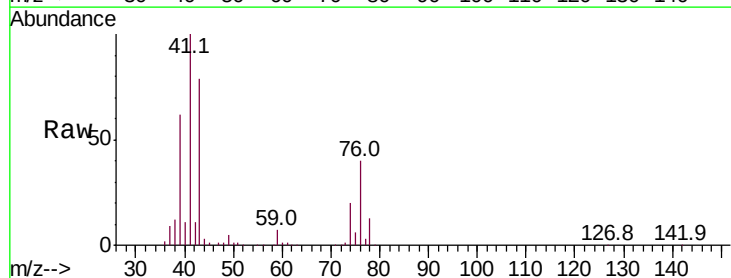
Tgt Ion: 41 Resp: 1091462

Ion Ratio Lower Upper

41 100

39 58.5 47.5 71.3

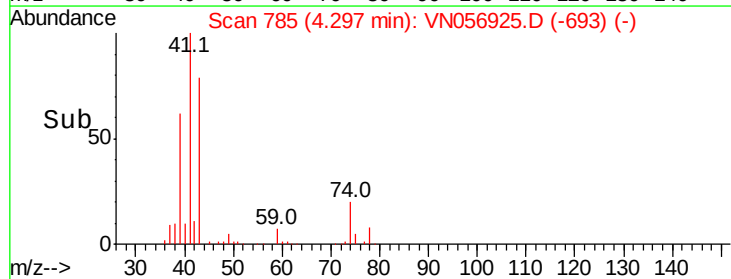
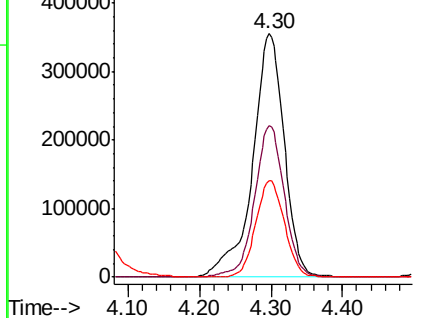
76 35.9 28.0 42.0

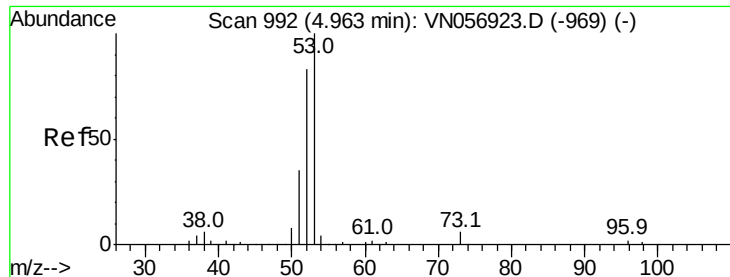


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 758.381 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1558979

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

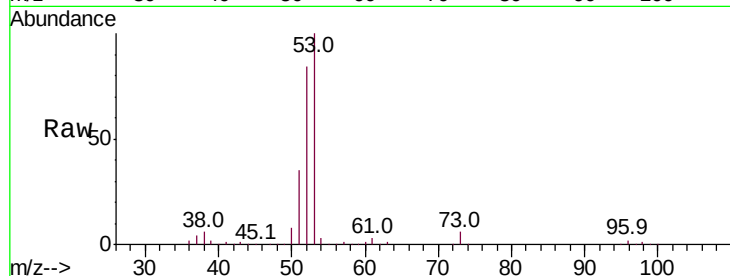
51 34.9 28.1 42.1

Manual Integrations

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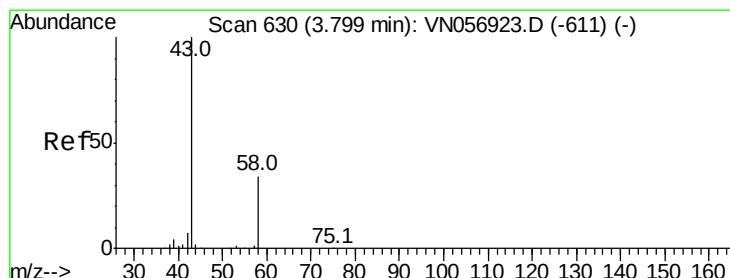
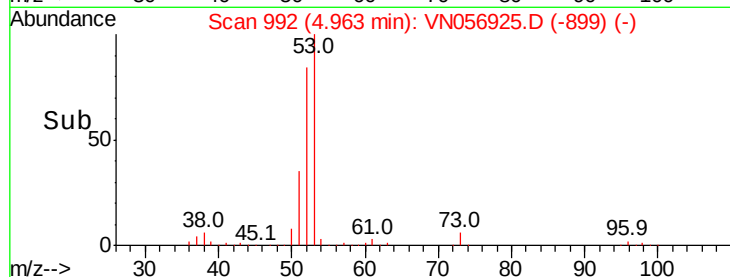
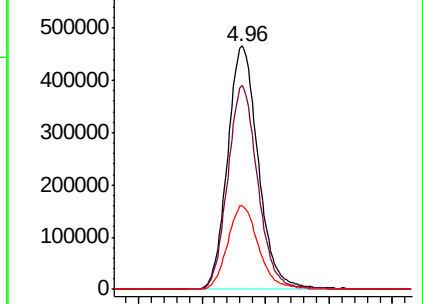
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Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 692.152 ug/l

RT: 3.80 min Scan# 630

Delta R.T. -0.00 min

Lab File: VN056925.D

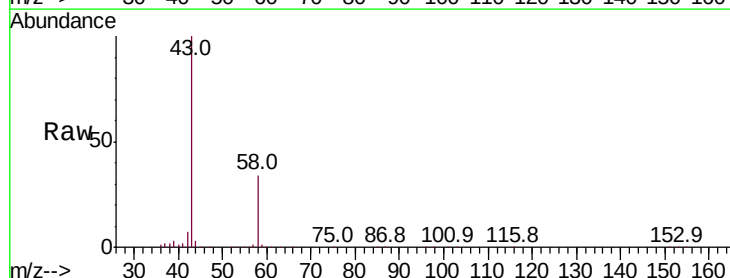
Acq: 25 Jul 2019 16:12

Tgt Ion: 43 Resp: 1219915

Ion Ratio Lower Upper

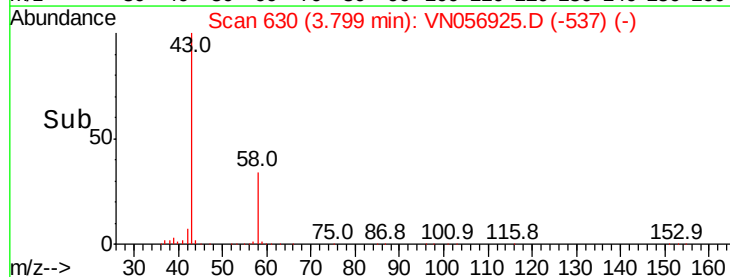
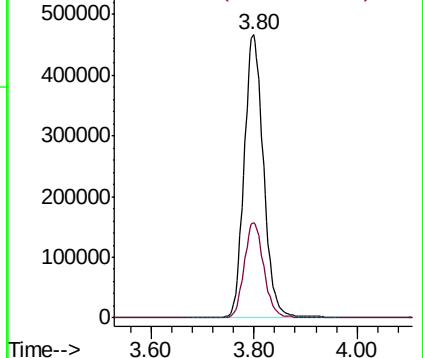
43 100

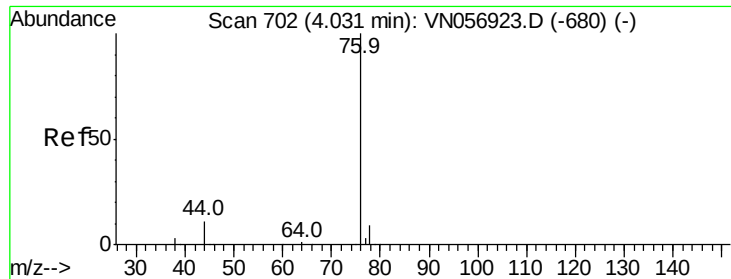
58 33.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 150.580 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1802694

Ion Ratio Lower Upper

76 100

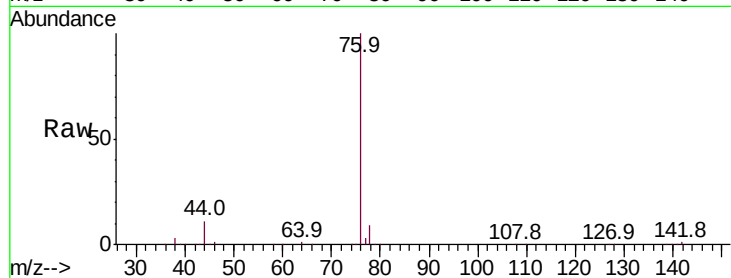
78 9.2 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN056925.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN056925.D (-680) (-)

4.03

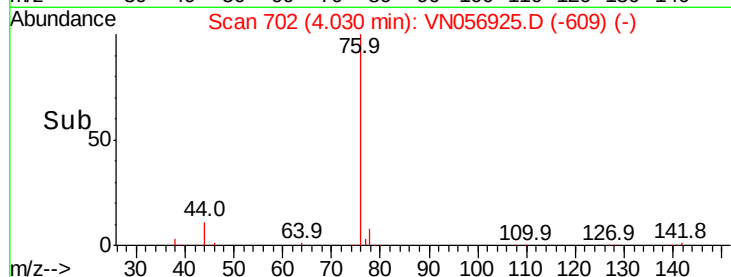
600000

400000

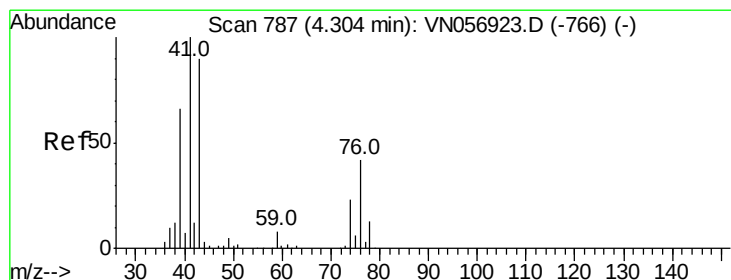
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 120.582 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN056925.D

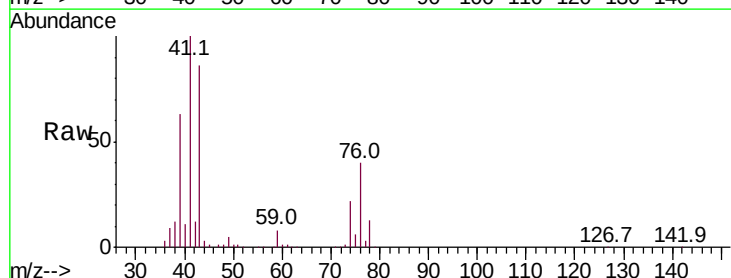
Acq: 25 Jul 2019 16:12

Tgt Ion: 43 Resp: 819947

Ion Ratio Lower Upper

43 100

74 24.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN056925.D (-694) (-)

Ion 74.00 (73.70 to 74.70): VN056925.D (-694) (-)

4.30

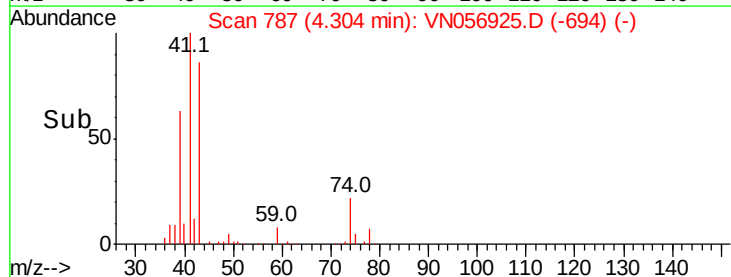
300000

200000

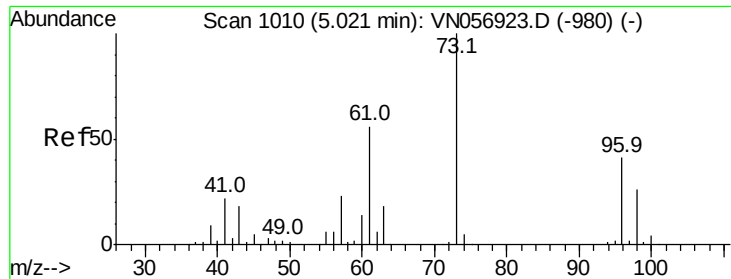
100000

0

Time-->



Time-->



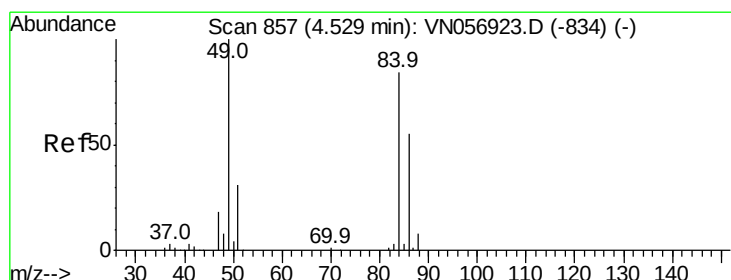
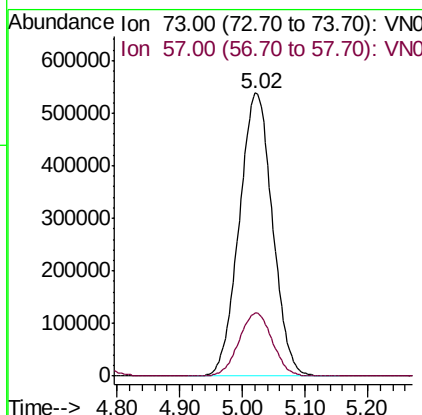
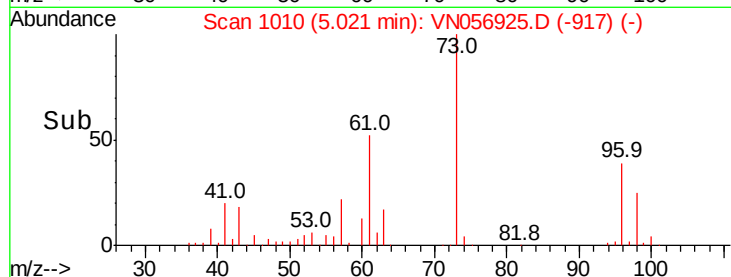
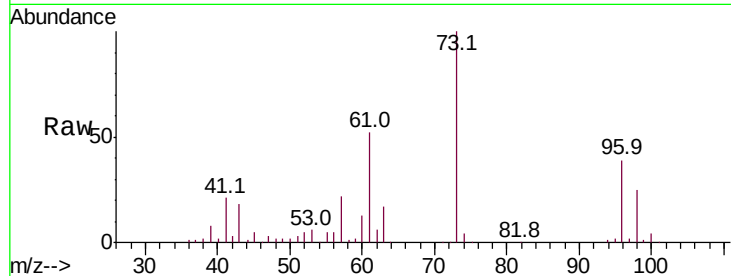
#19
Methyl tert-butyl Ether
Concen: 152.545 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1983036
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.4

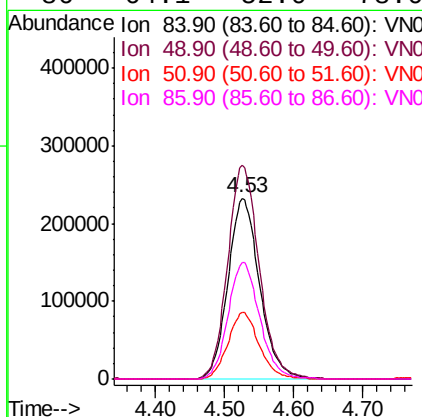
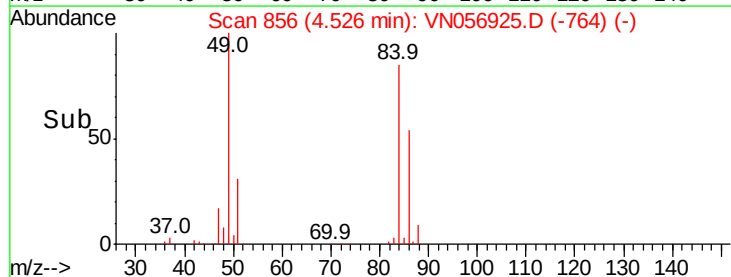
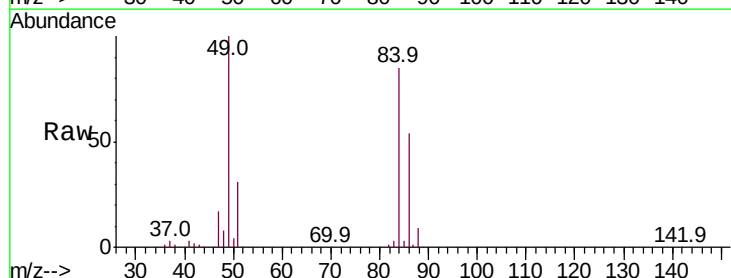
Manual Integrations
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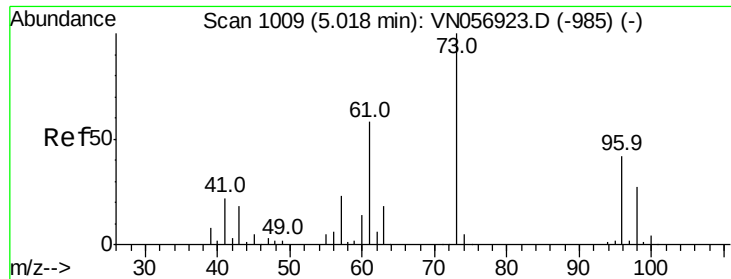
MMDadoda
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#20
Methylene Chloride
Concen: 142.709 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 84 Resp: 741490
Ion Ratio Lower Upper
84 100
49 118.2 95.0 142.6
51 37.2 29.8 44.8
86 64.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 149.588 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 689088

Ion Ratio Lower Upper

96 100

61 135.6 109.9 164.9

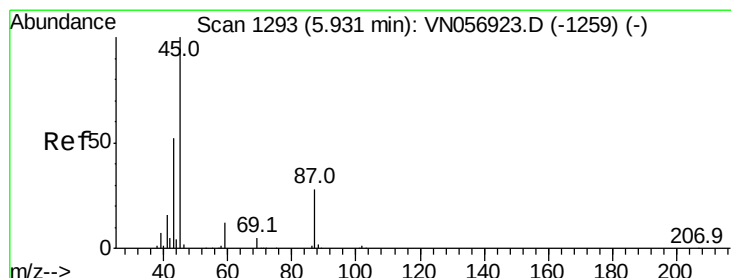
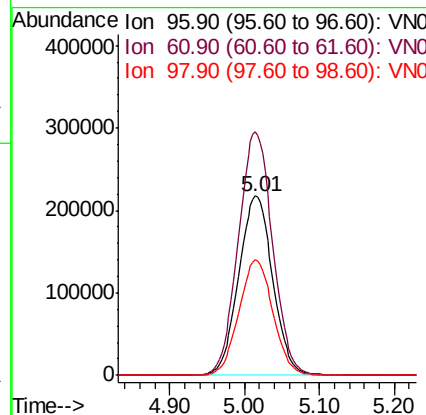
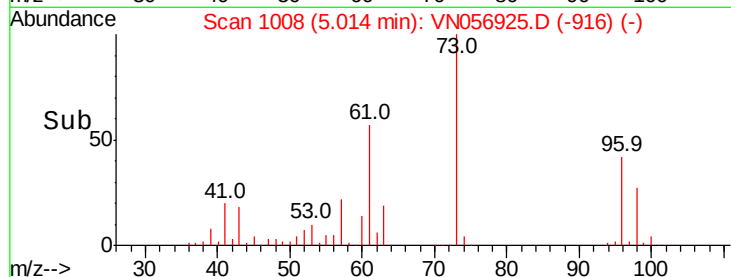
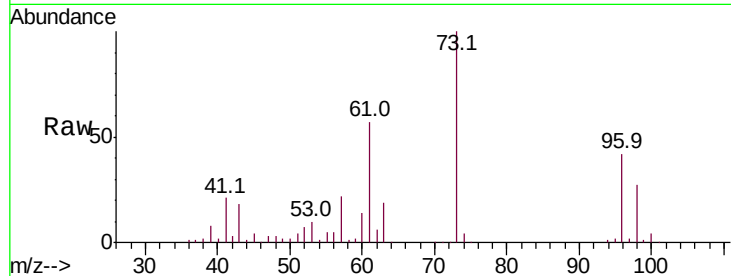
98 64.1 51.0 76.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 148.290 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion: 45 Resp: 2167666

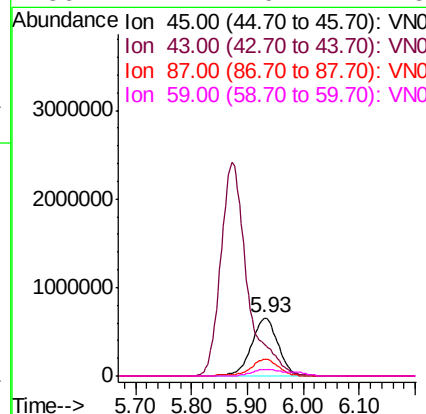
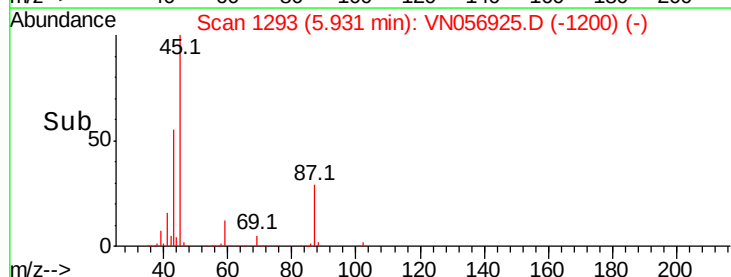
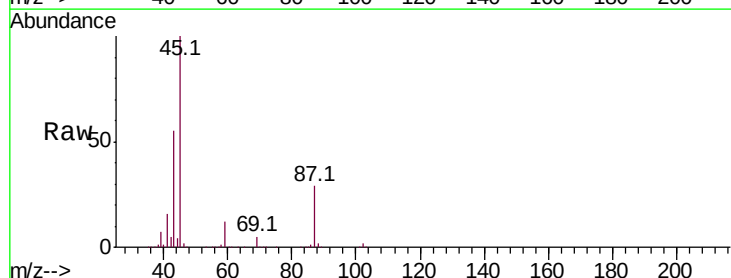
Ion Ratio Lower Upper

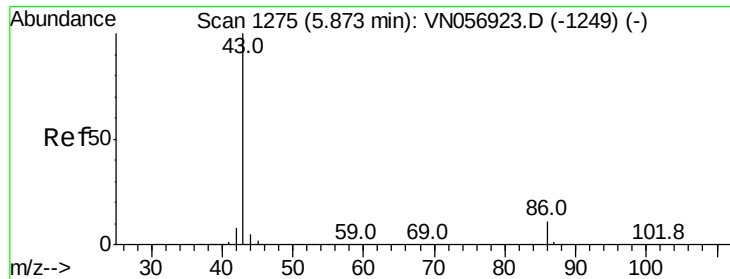
45 100

43 54.3 44.7 67.1

87 28.5 23.1 34.7

59 12.1 9.7 14.5





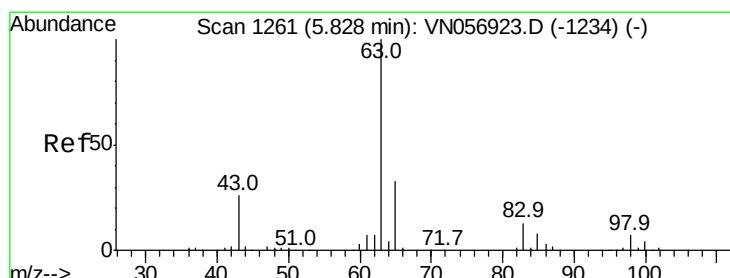
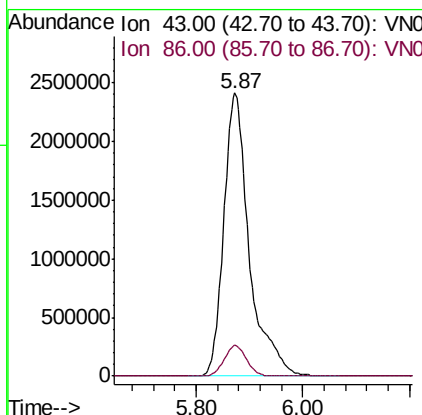
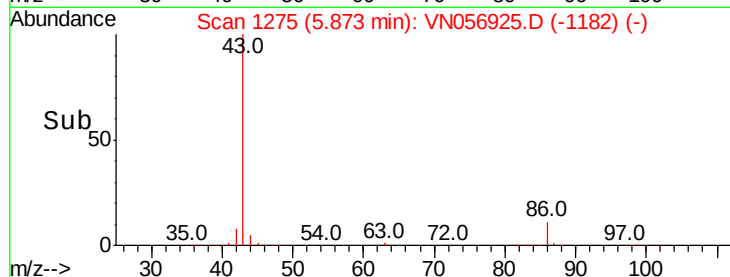
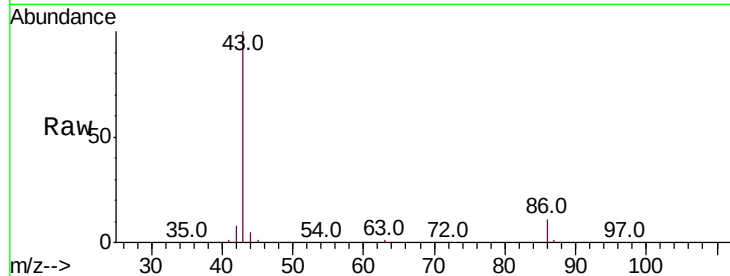
#23
 Vinyl Acetate
 Concen: 762.735 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 8005034
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

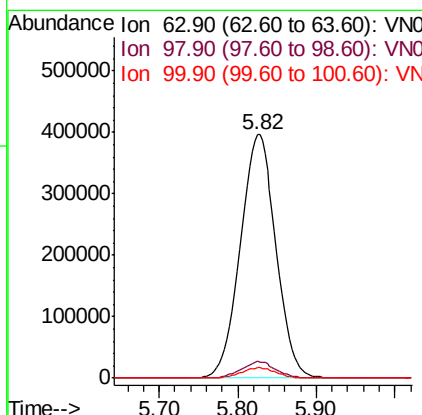
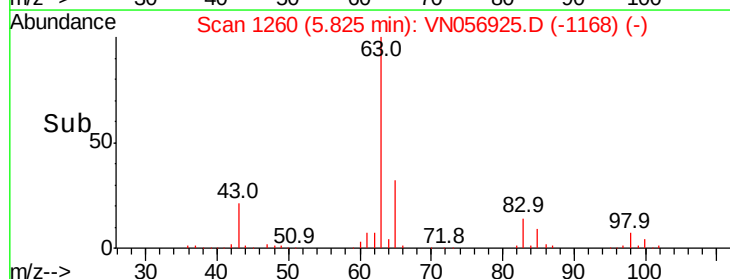
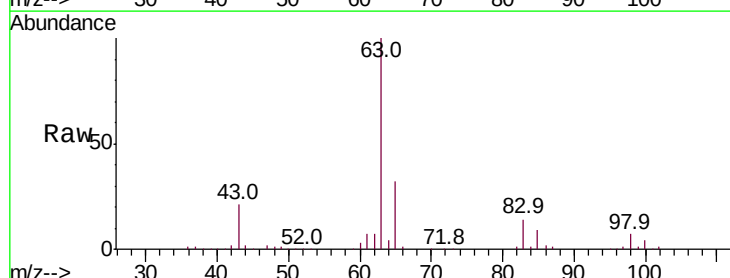
Manual Integrations
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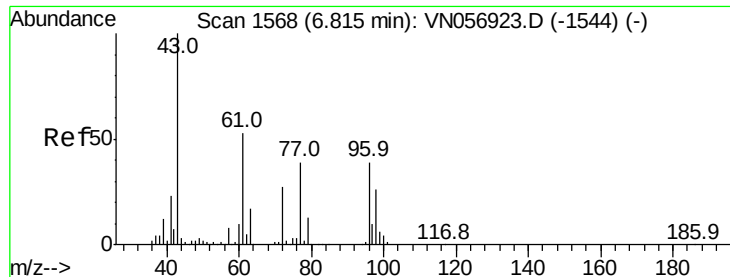
MMDadoda
 7/26/2019 3:37:03 PM



#24
 1,1-Dichloroethane
 Concen: 148.078 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion: 63 Resp: 1256240
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 755.325 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1935728

Ion Ratio Lower Upper

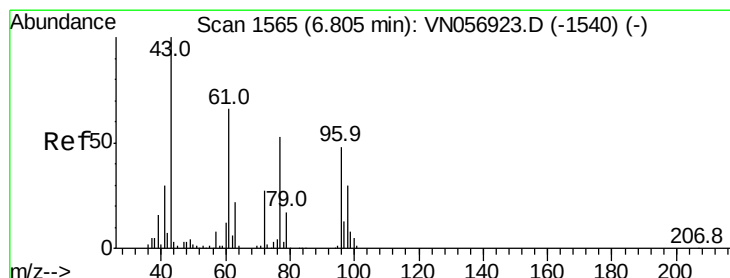
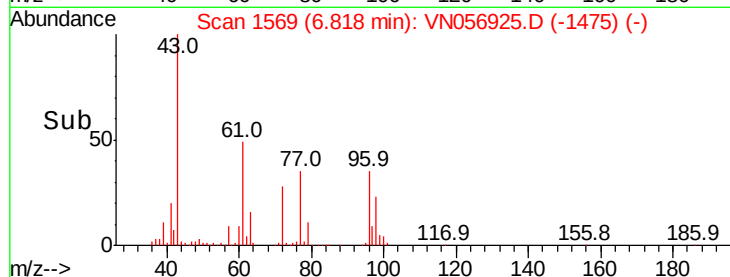
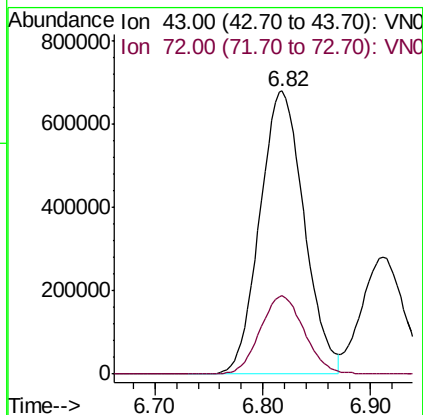
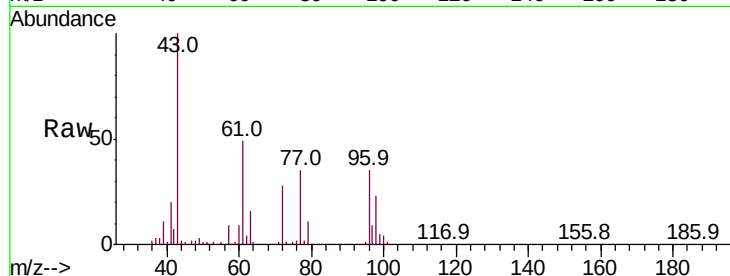
43 100

72 27.7 21.9 32.9

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7/26/2019 3:37:03 PM



#26

2,2-Dichloropropane

Concen: 157.978 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056925.D

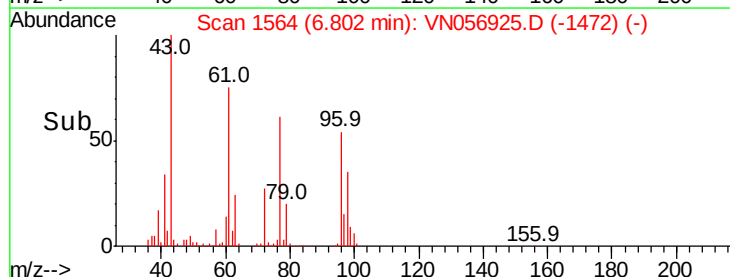
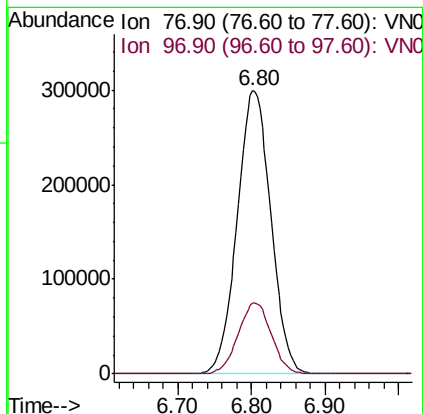
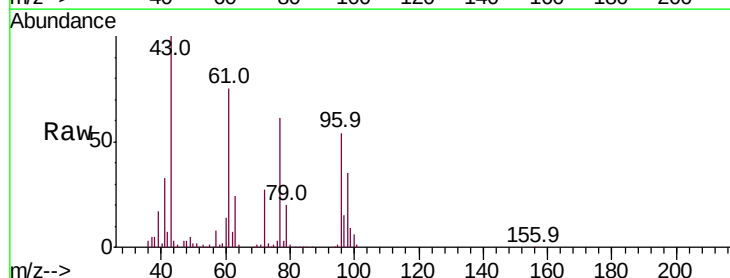
Acq: 25 Jul 2019 16:12

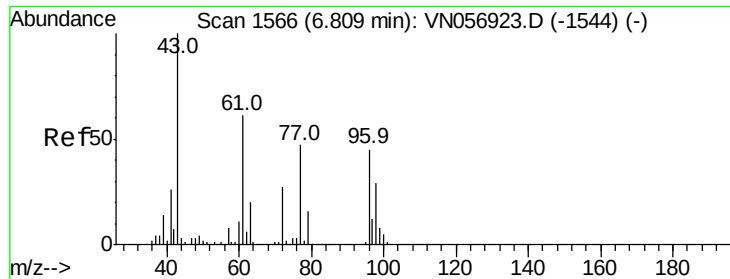
Tgt Ion: 77 Resp: 951697

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 151.664 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

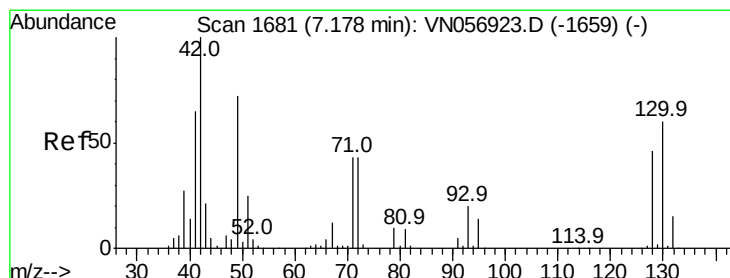
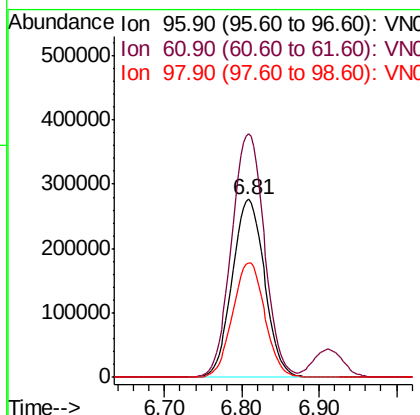
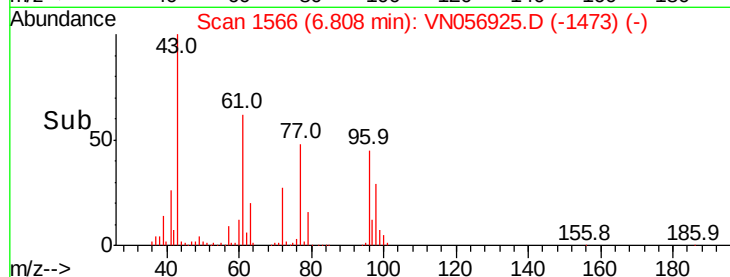
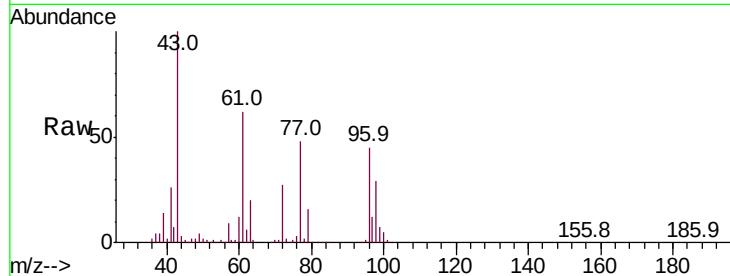
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	803159
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	278.8
98	64.2	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 147.524 ug/l

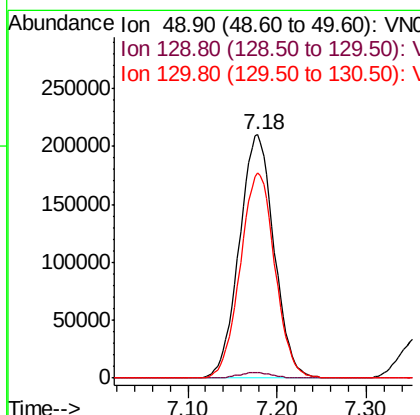
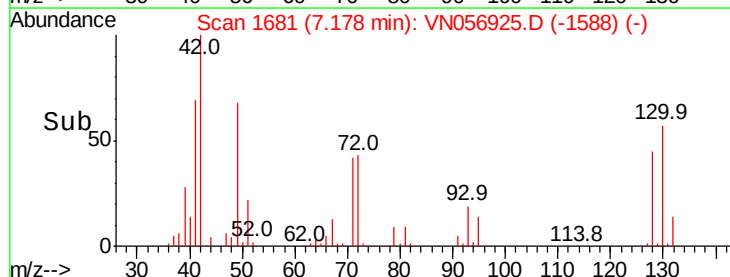
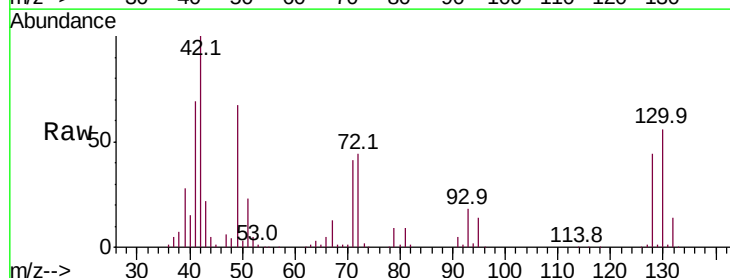
RT: 7.18 min Scan# 1681

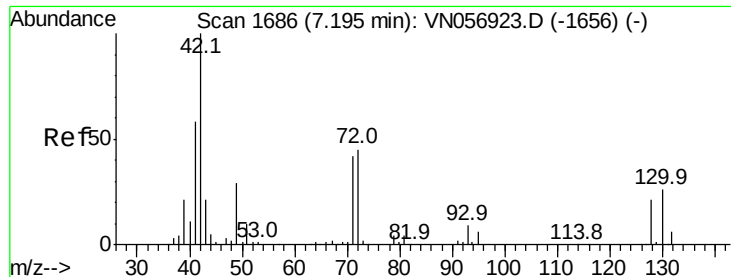
Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion:	49	Resp:	569373
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	84.3	67.3	100.9





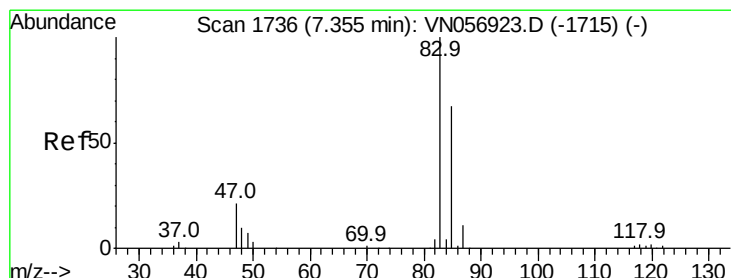
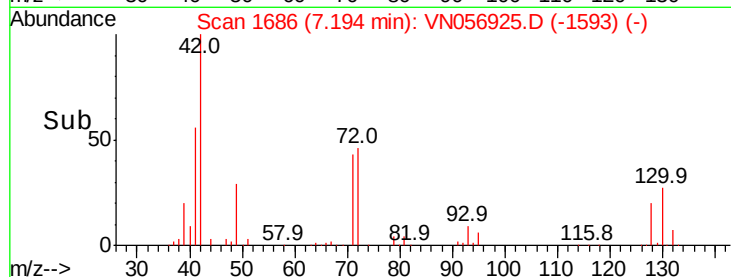
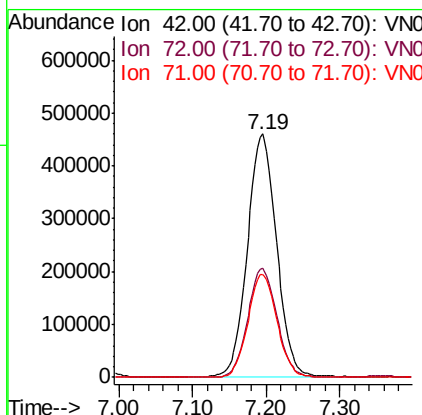
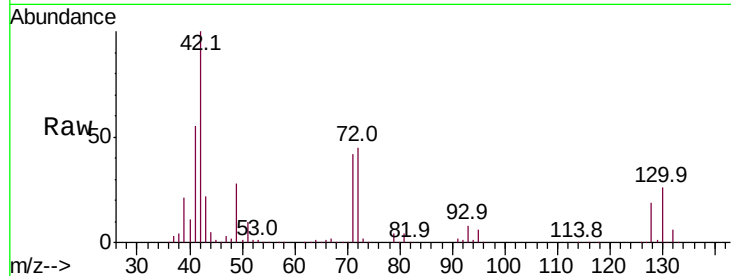
#29
Tetrahydrofuran
Concen: 730.277 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1273427
Ion Ratio Lower Upper
42 100
72 44.6 35.5 53.3
71 42.3 33.0 49.6

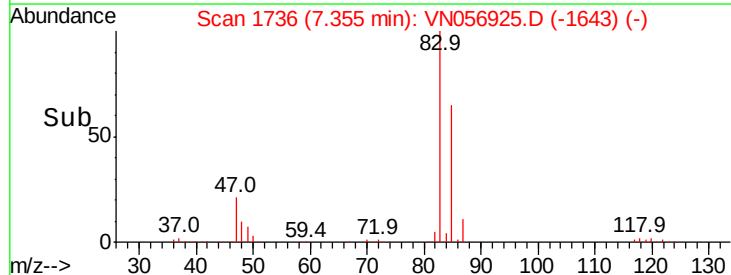
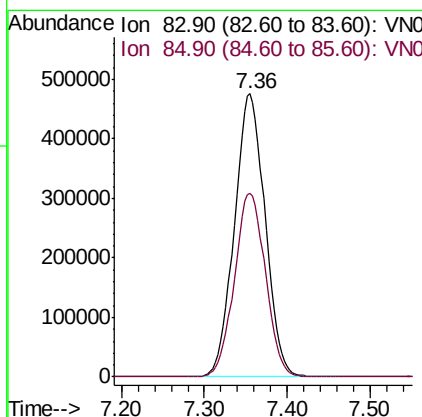
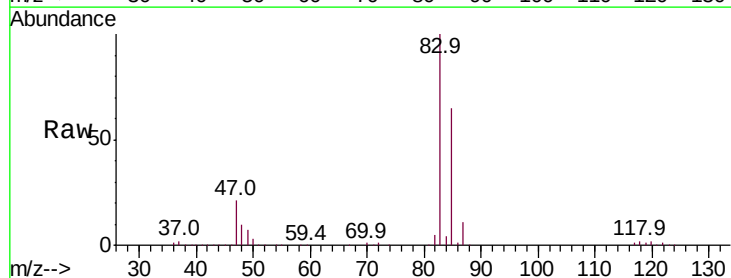
Manual Integrations
APPROVED

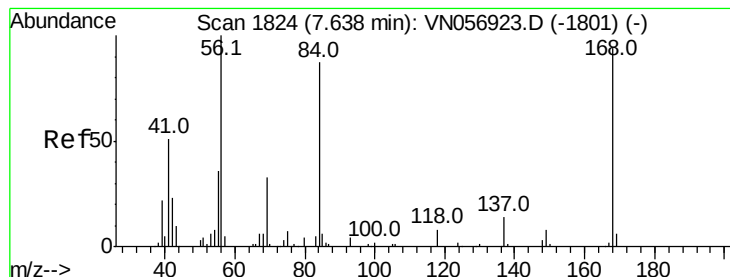
MMDadoda
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#30
Chloroform
Concen: 143.542 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 83 Resp: 1223382
Ion Ratio Lower Upper
83 100
85 64.9 53.5 80.3





#31

Cyclohexane

Concen: 143.163 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1174578

Ion Ratio Lower Upper

56 100

69 30.4 26.3 39.5

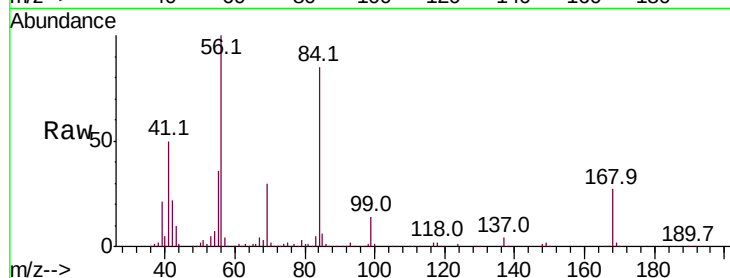
84 83.8 69.6 104.4

Manual Integrations

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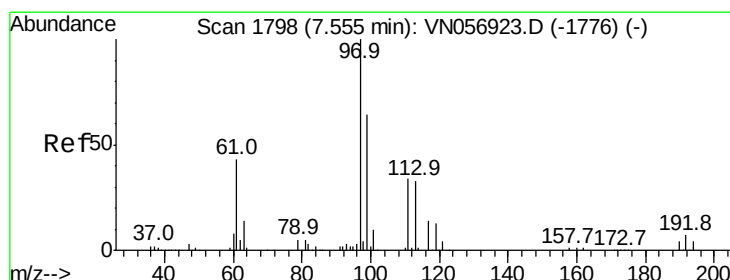
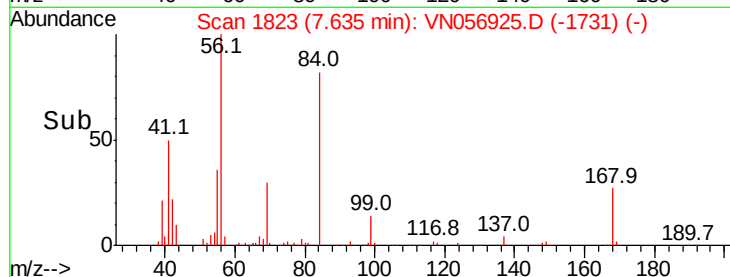
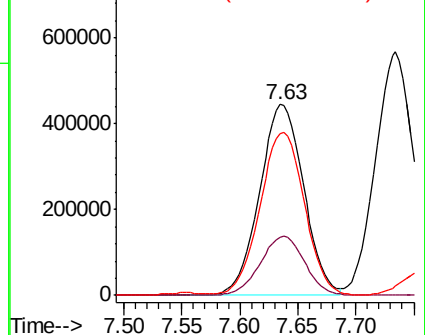
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 152.411 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

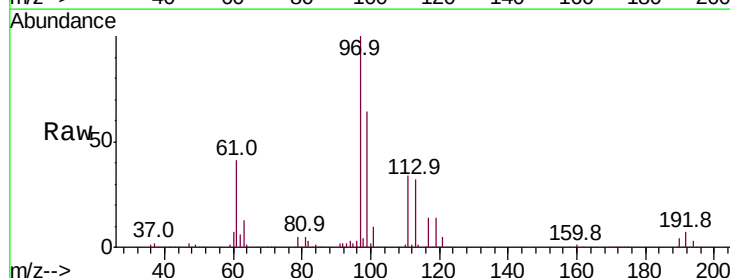
Tgt Ion: 97 Resp: 1050792

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

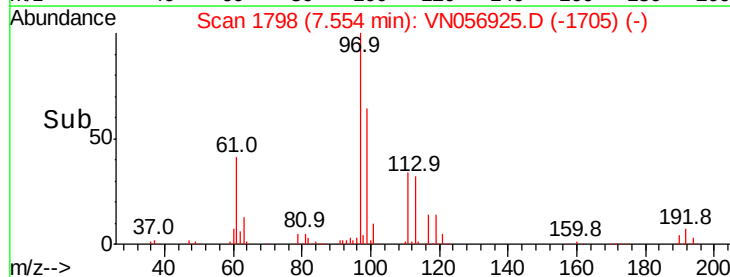
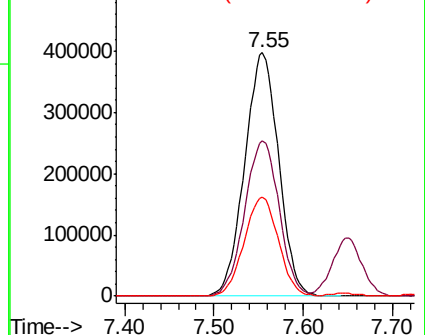
61 41.1 33.8 50.6

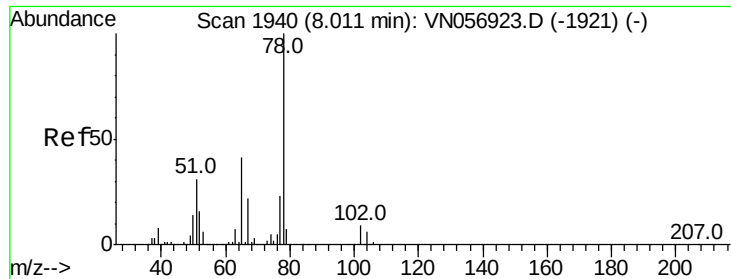


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





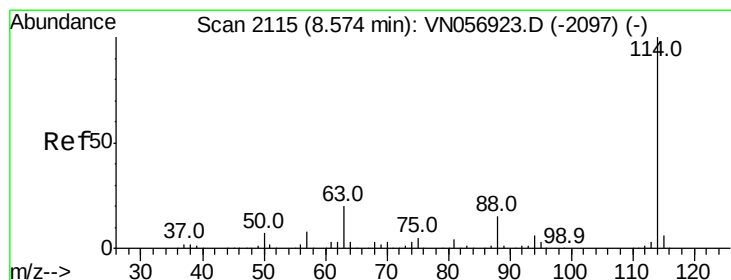
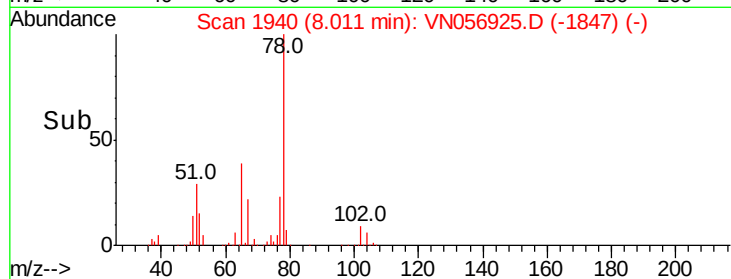
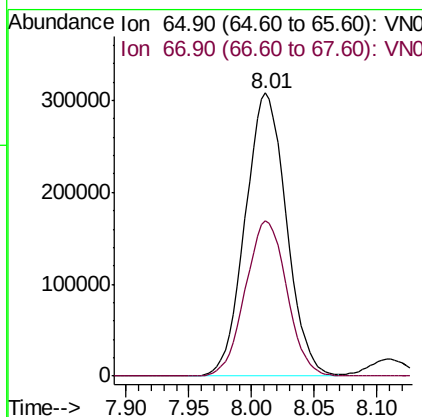
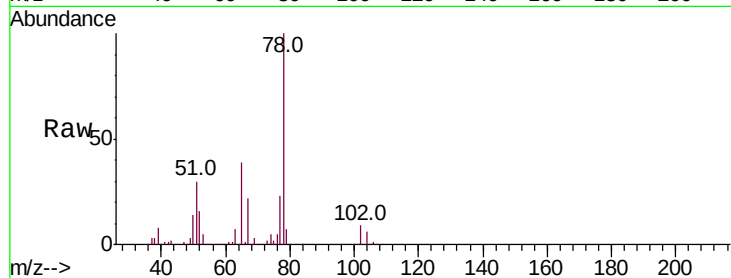
#33
 1,2-Dichloroethane-d4
 Concen: 143.885 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	109.2

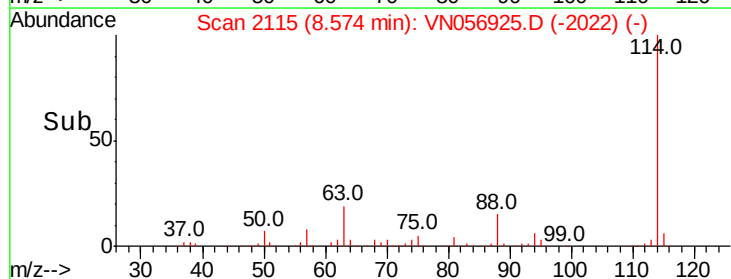
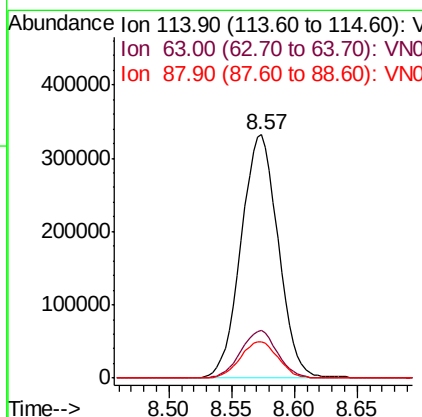
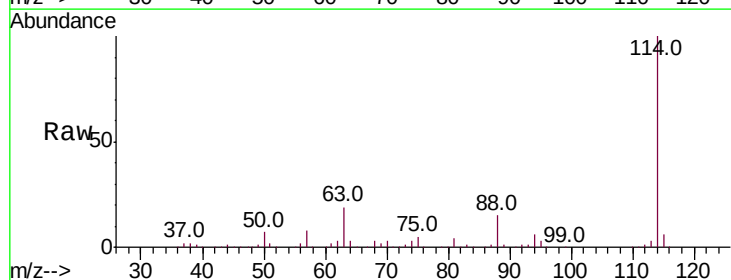
Manual Integrations
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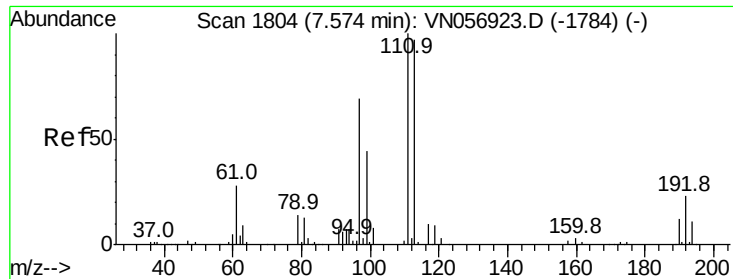
MMDadoda
 7/26/2019 3:37:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.1	0.0	30.4





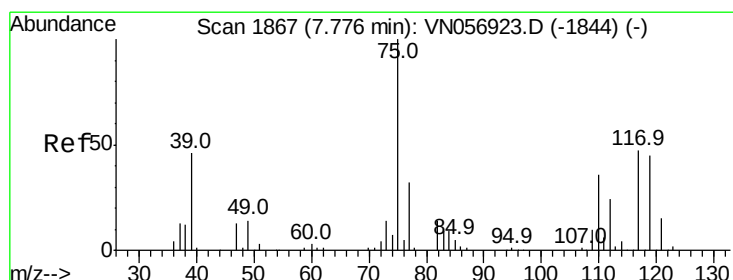
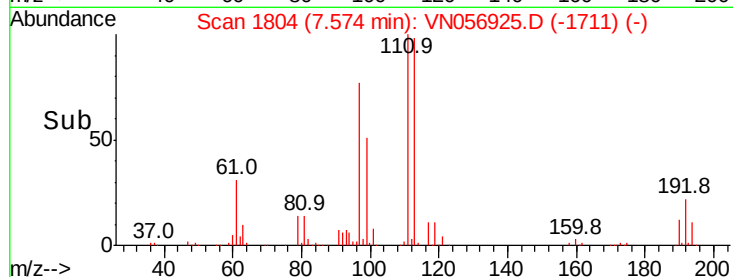
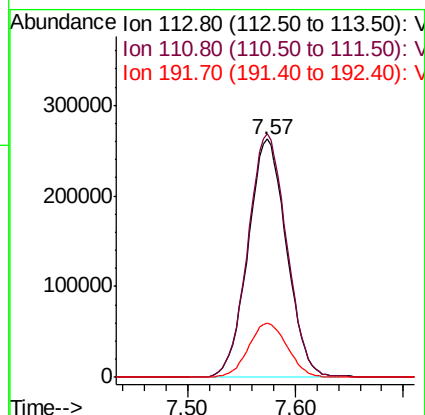
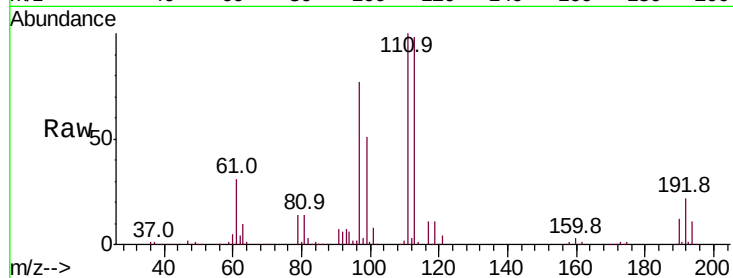
#35
 Dibromofluoromethane
 Concen: 146.819 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	23.0	18.3	27.5

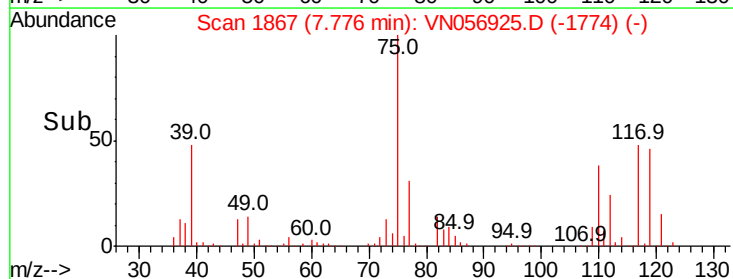
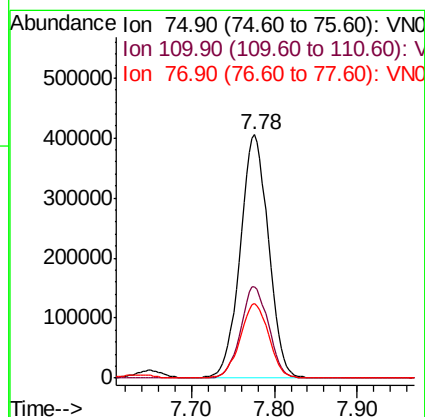
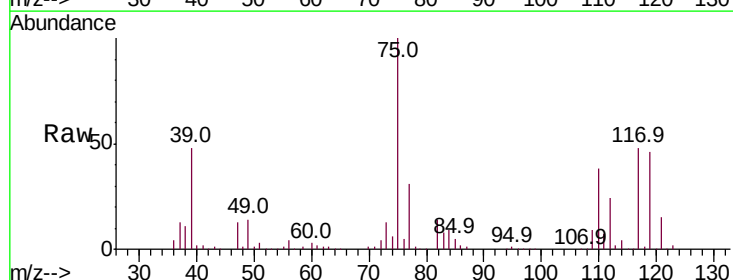
Manual Integrations
 APPROVED

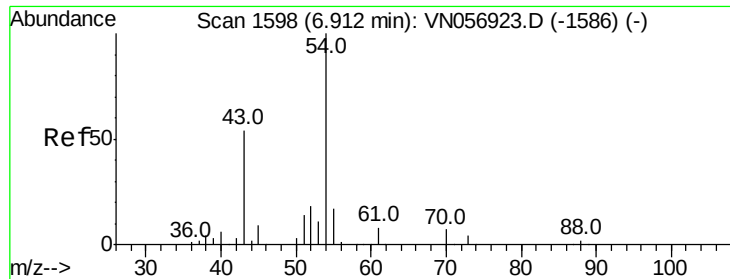
MMDadoda
 7/26/2019 3:37:03 PM



#36
 1,1-Dichloropropene
 Concen: 152.126 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.9	56.9
77	31.2	25.4	38.0





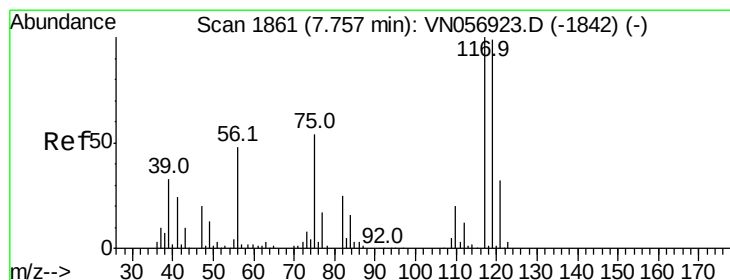
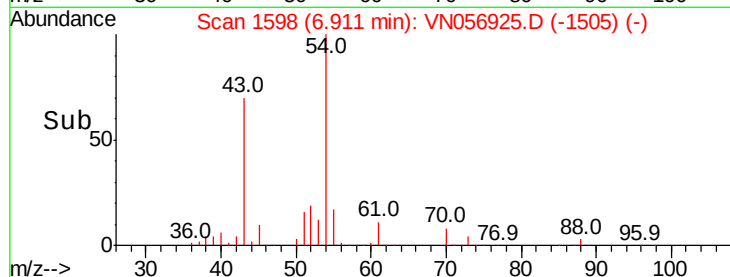
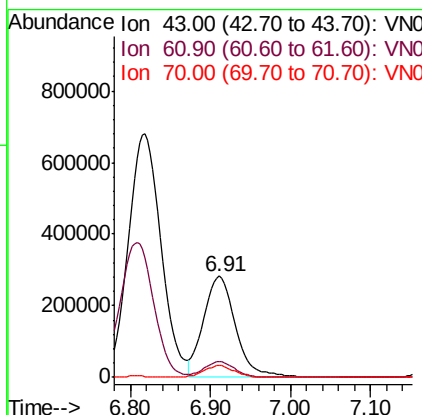
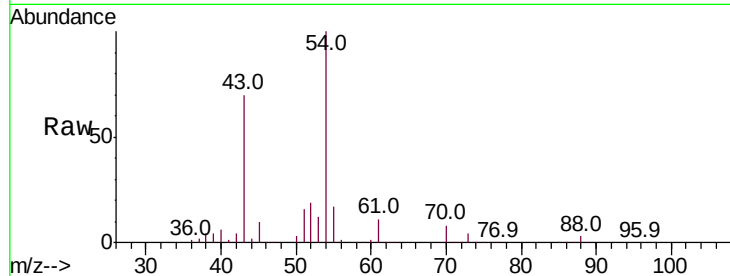
#37
Ethyl Acetate
Concen: 155.154 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.1	8.8	13.2

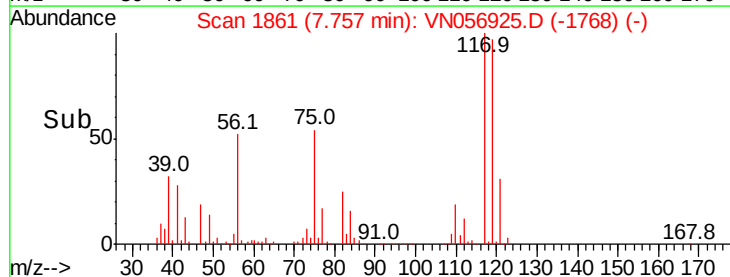
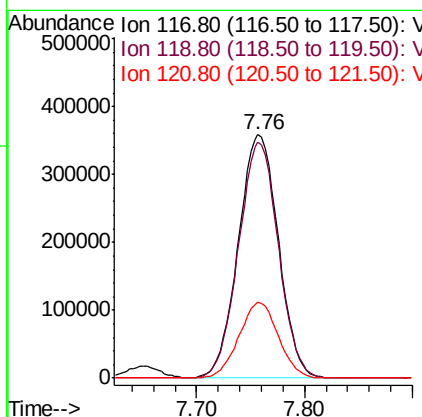
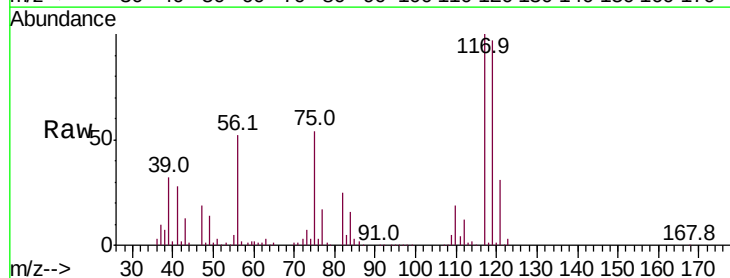
Manual Integrations
APPROVED

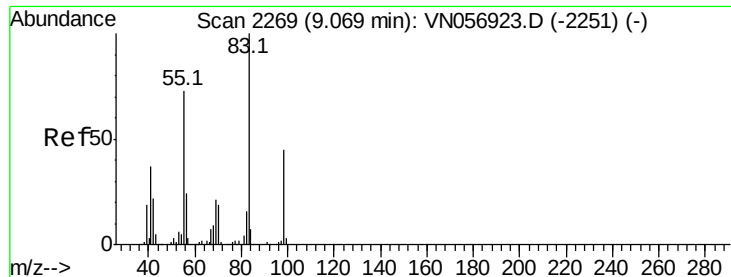
MMDadoda
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#38
Carbon Tetrachloride
Concen: 153.252 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.0	118.6
121	31.1	25.1	37.7





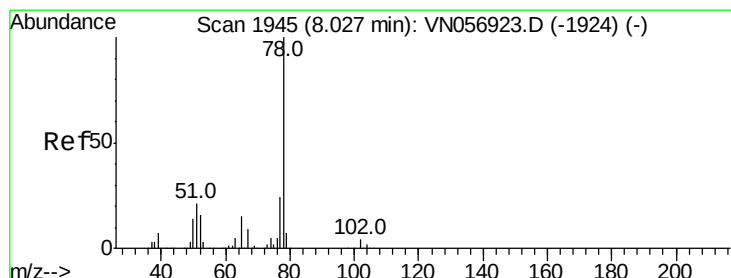
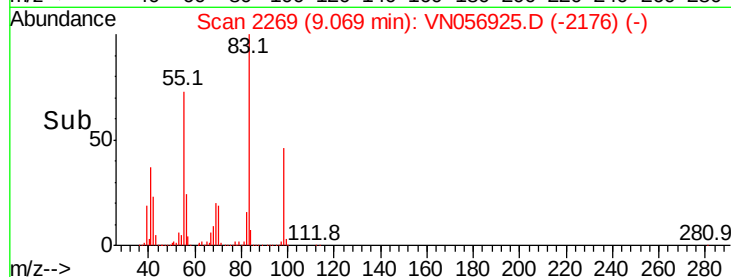
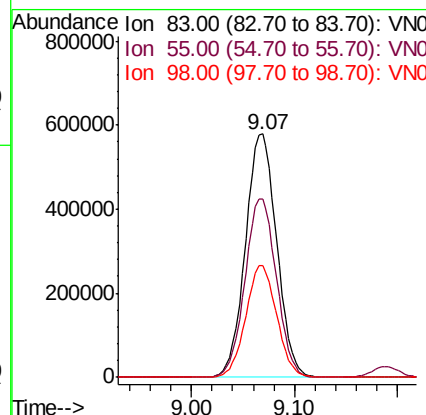
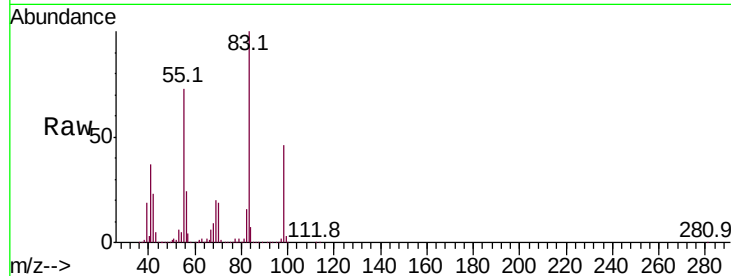
#39
Methylvlcyclohexane
Concen: 153.638 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	58.8	88.2
98	45.7	35.8	53.6

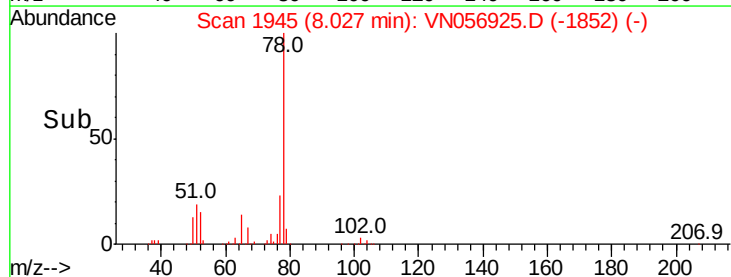
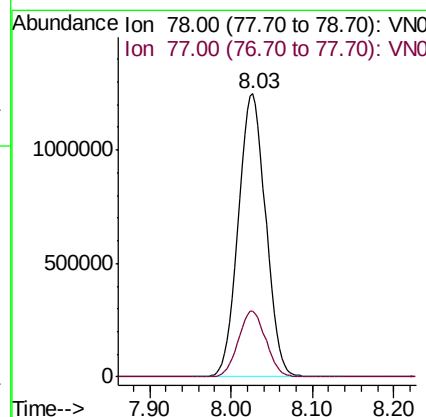
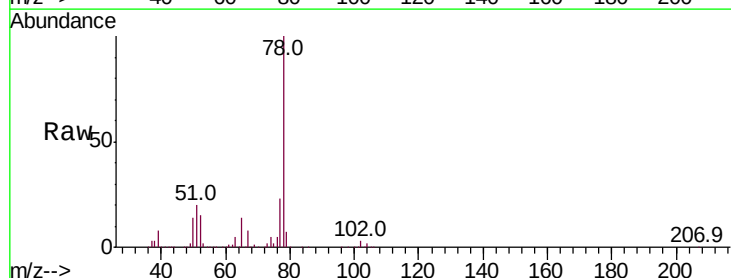
Manual Integrations
APPROVED

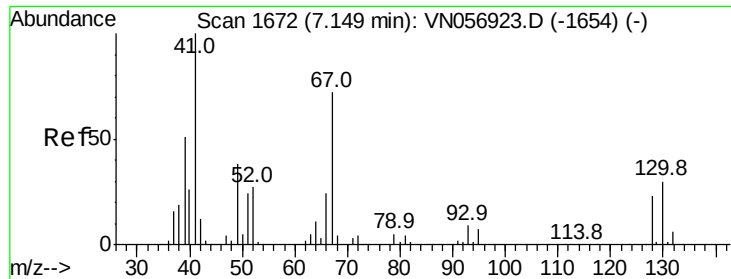
MMDadoda
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#40
Benzene
Concen: 148.432 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.5	29.3





#41

Methacrylonitrile

Concen: 167.846 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 409886
Ion Ratio Lower Upper

41 100

39 59.5 0.0 0.0#

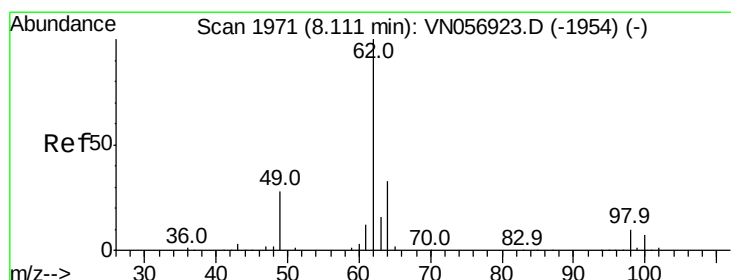
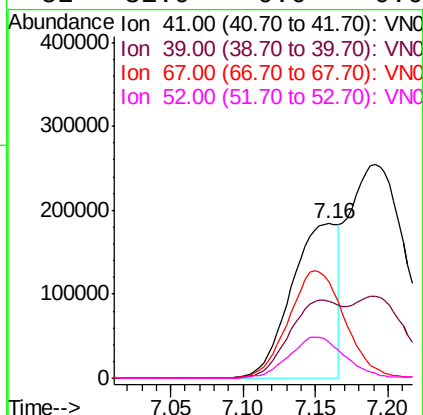
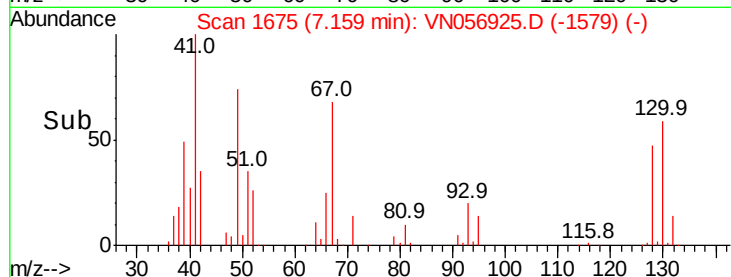
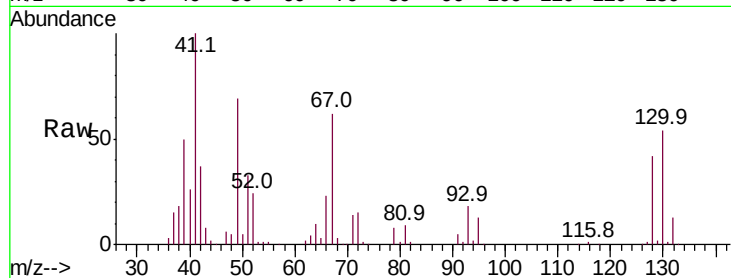
67 84.7 0.0 0.0#

52 31.9 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

7/26/2019 3:37:03 PM



#42

1,2-Dichloroethane

Concen: 145.224 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

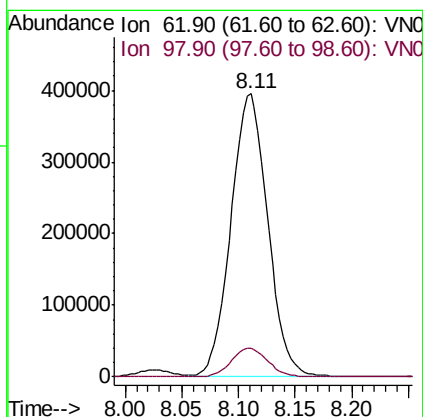
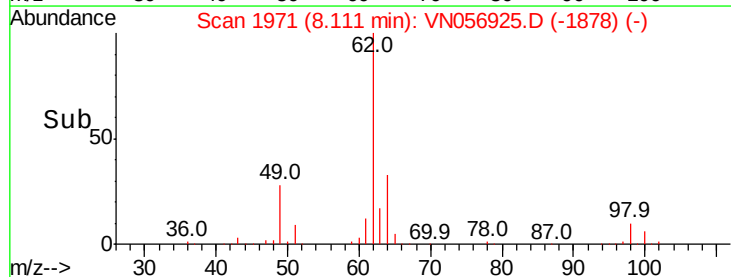
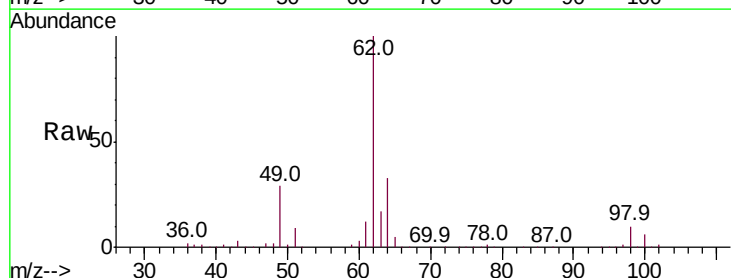
Lab File: VN056925.D

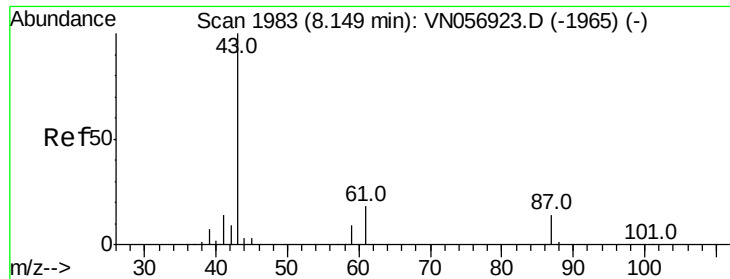
Acq: 25 Jul 2019 16:12

Tgt Ion: 62 Resp: 892557
Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.8





#43

Isopropyl Acetate

Concen: 152.019 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1326573

Ion Ratio Lower Upper

43 100

61 29.5 23.8 35.6

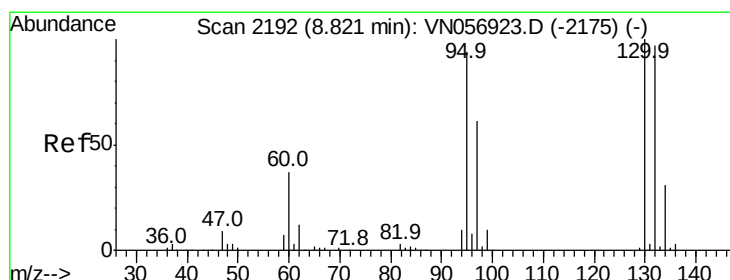
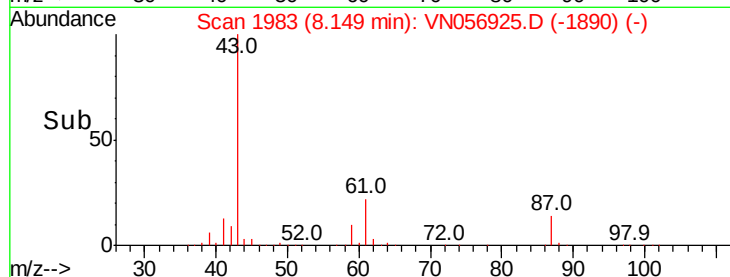
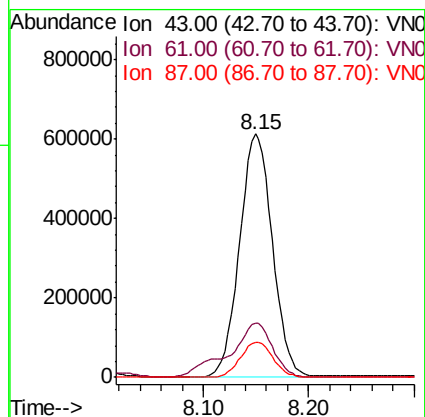
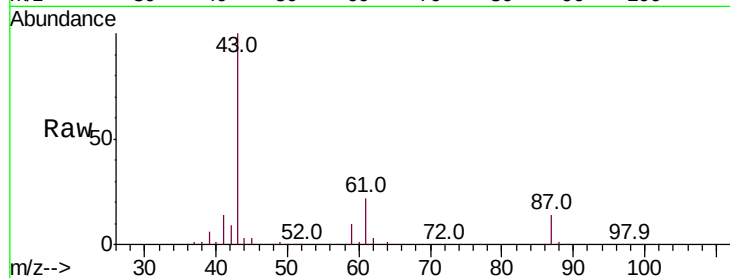
87 14.5 11.8 17.6

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#44

Trichloroethene

Concen: 151.315 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056925.D

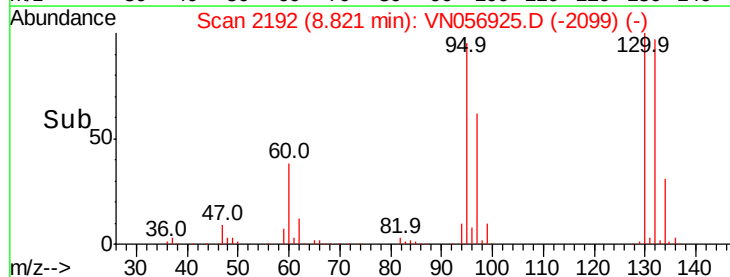
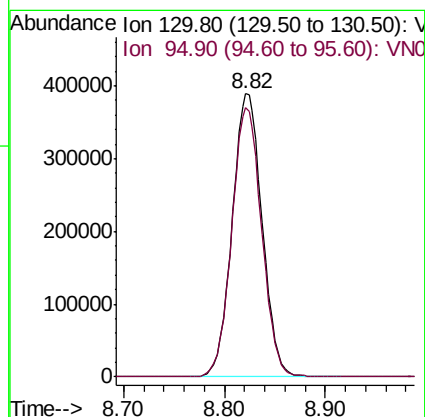
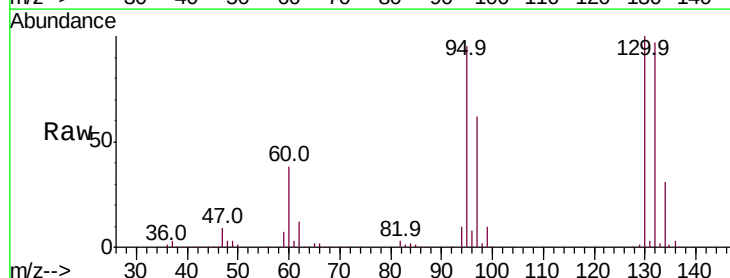
Acq: 25 Jul 2019 16:12

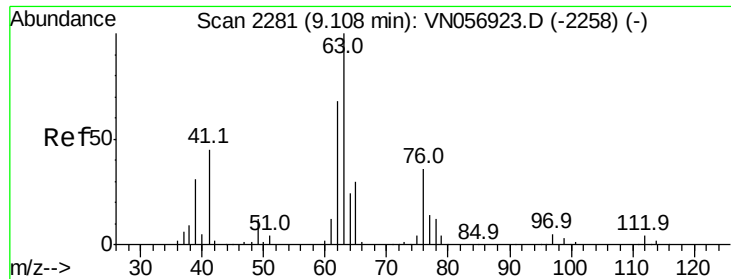
Tgt Ion:130 Resp: 801773

Ion Ratio Lower Upper

130 100

95 95.3 0.0 187.6





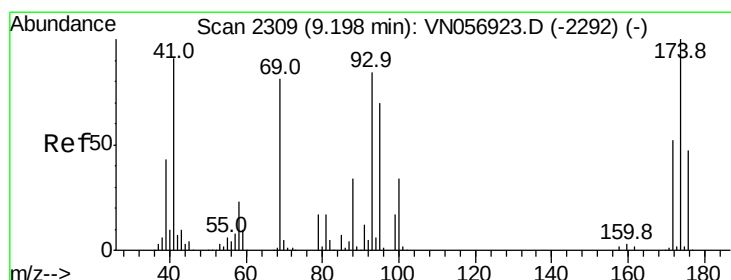
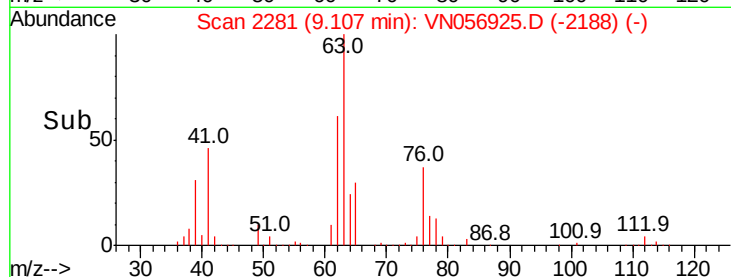
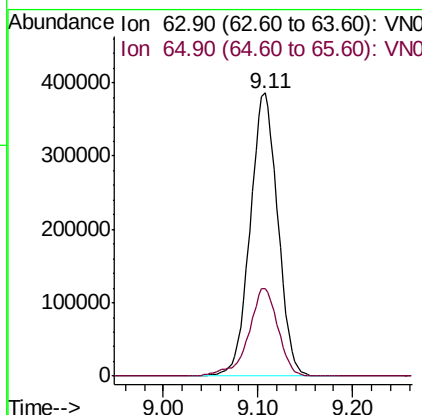
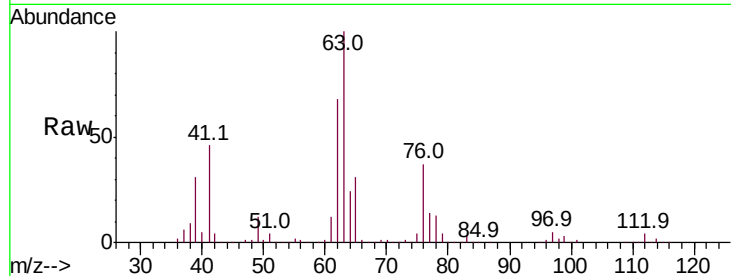
#45
 1,2-Dichloropropane
 Concen: 147.075 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 781338
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.5 36.7

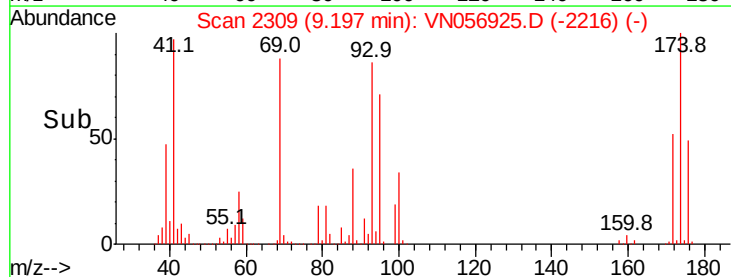
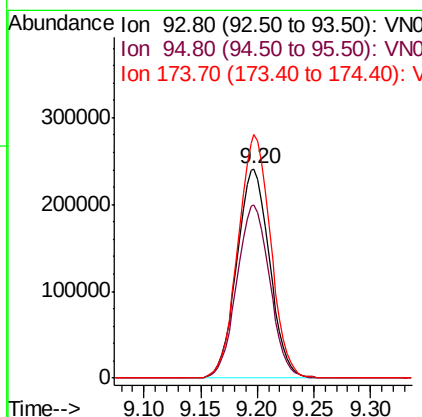
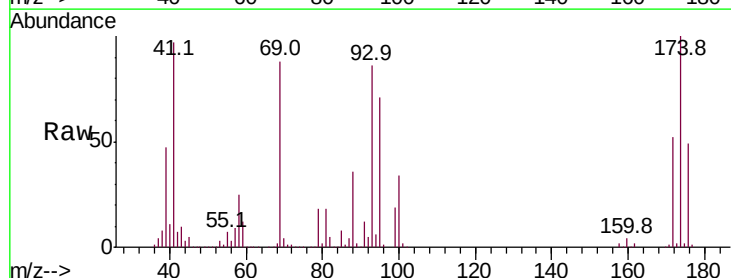
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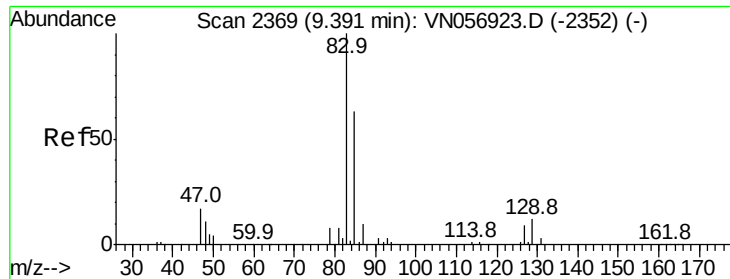
MMDadoda
 7/26/2019 3:37:03 PM



#46
 Dibromomethane
 Concen: 148.452 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion: 93 Resp: 486754
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 115.9 92.9 139.3





#47

Bromodichloromethane

Concen: 157.161 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

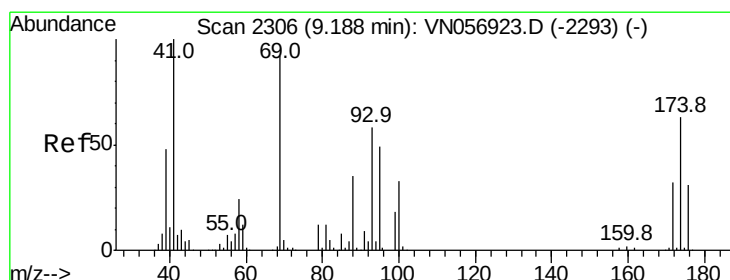
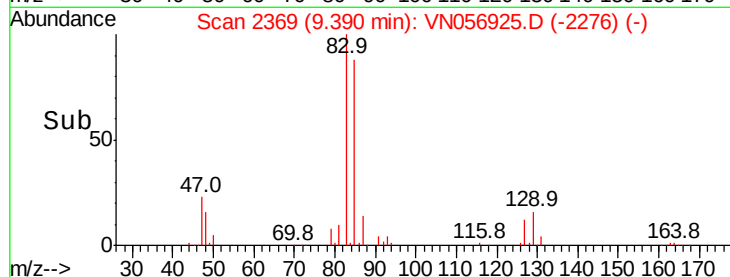
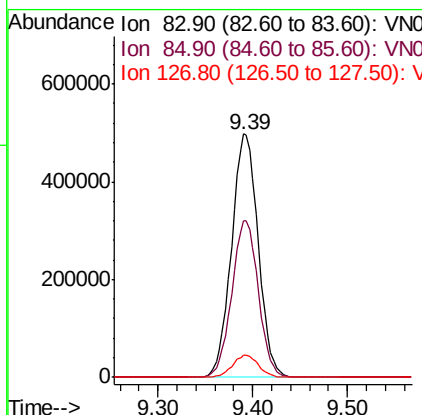
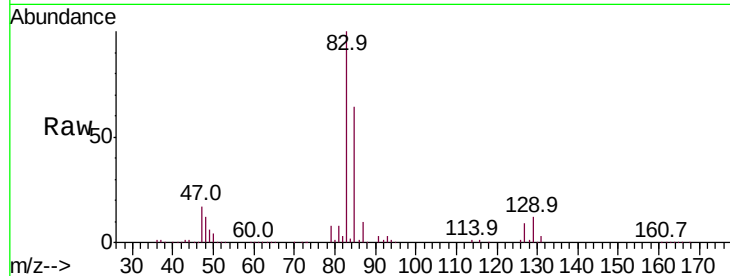
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	971387
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7
127	8.9	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 151.277 ug/l

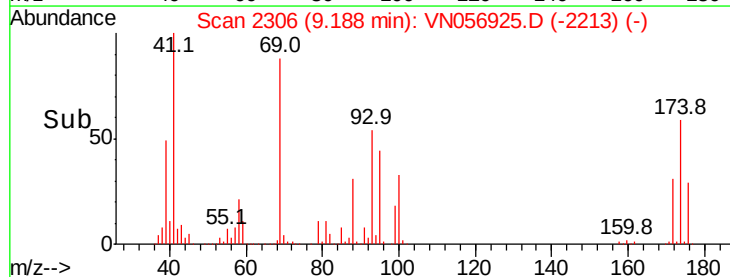
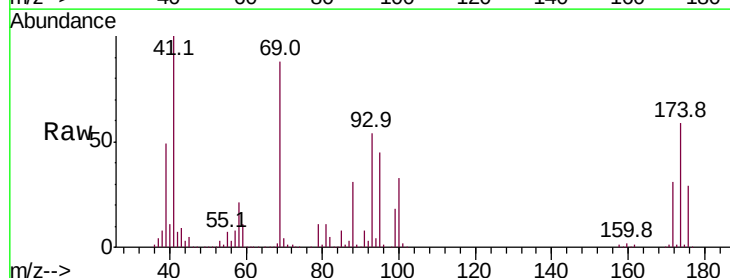
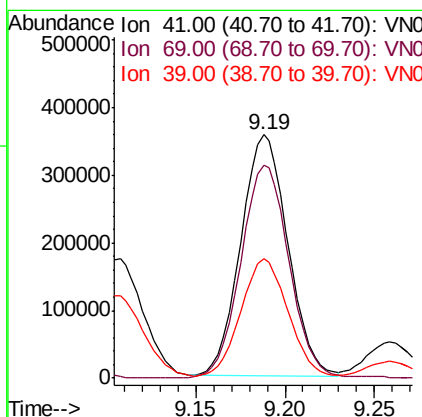
RT: 9.19 min Scan# 2306

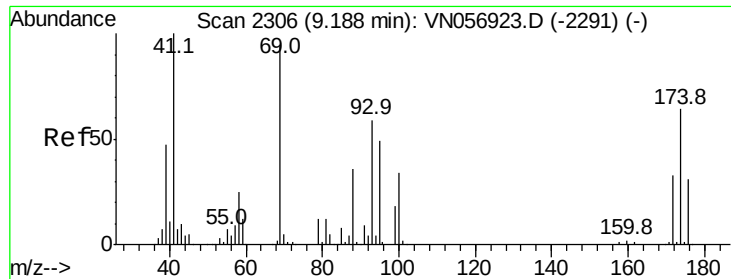
Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion:	41	Resp:	658547
Ion	Ratio	Lower	Upper
41	100		
69	91.1	73.4	110.0
39	50.1	40.1	60.1





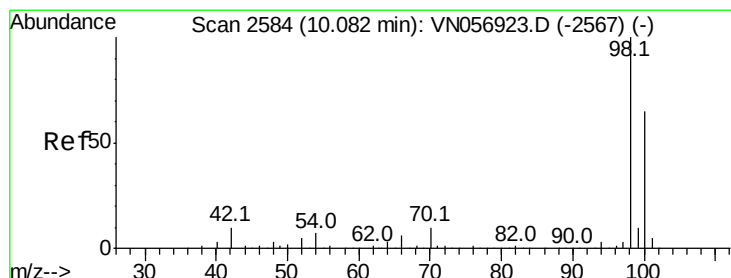
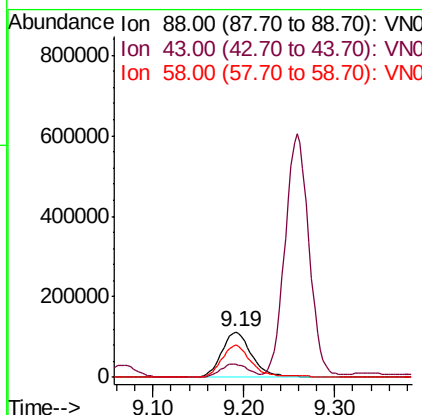
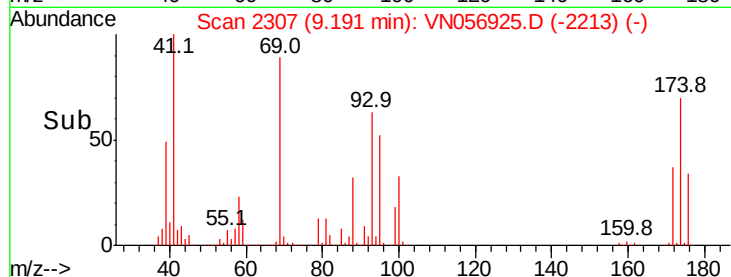
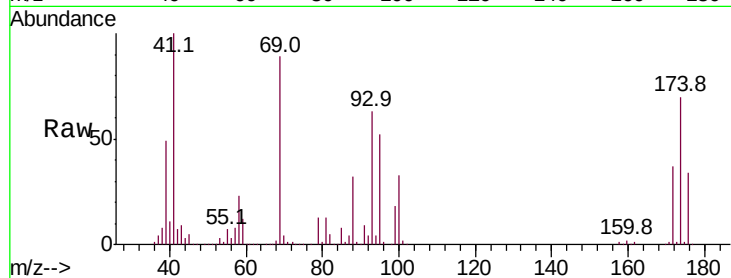
#49
1,4-Dioxane
Concen: 3032.119 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	21.1	31.7
58	68.1	52.5	78.7

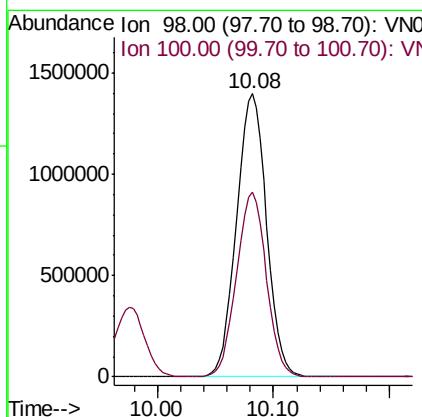
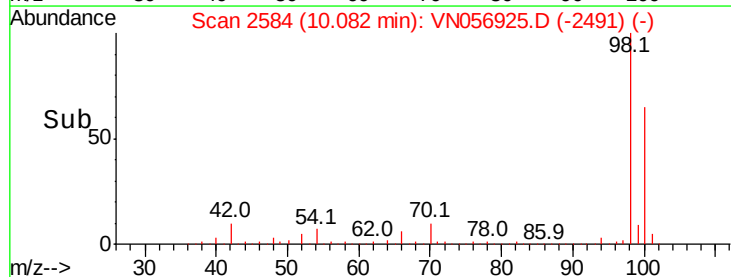
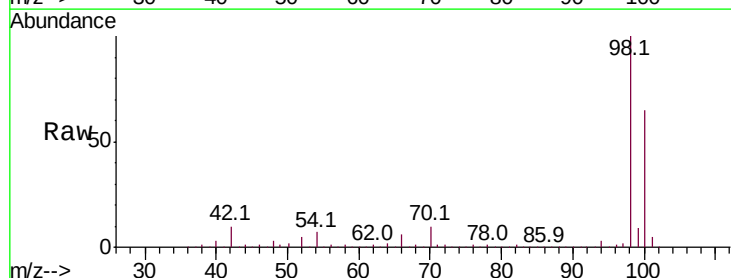
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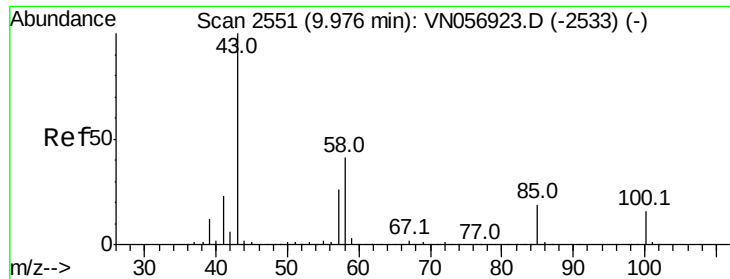
MMDadoda
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#50
Toluene-d8
Concen: 148.975 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 755.786 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3924689

Ion Ratio Lower Upper

43 100

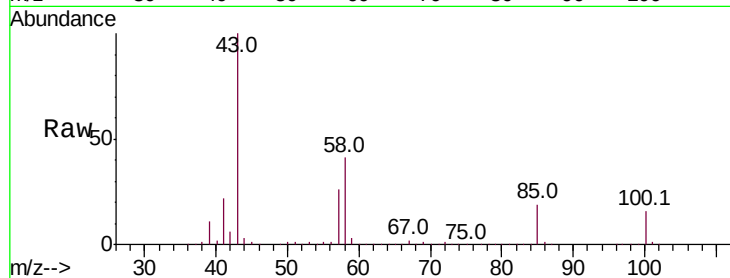
58 41.3 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN056923.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056923.D (-2533) (-)

2500000

2000000

1500000

1000000

500000

0

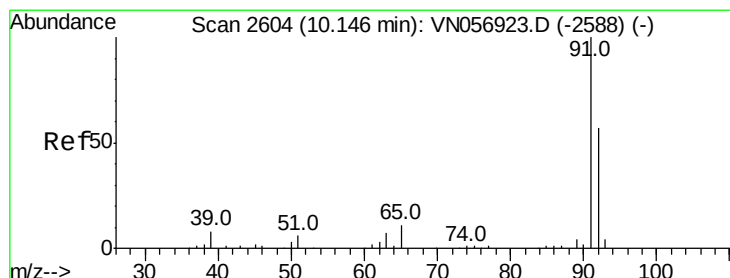
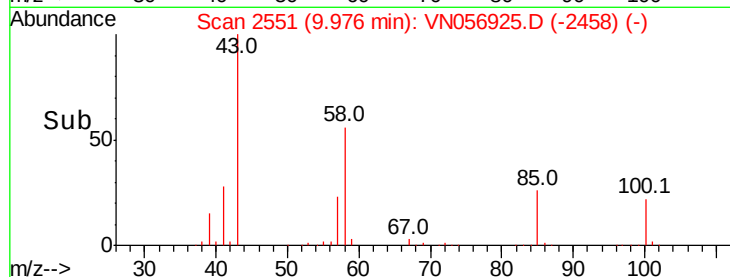
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 154.305 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056925.D

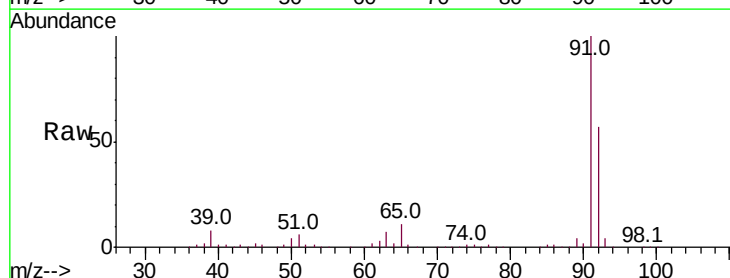
Acq: 25 Jul 2019 16:12

Tgt Ion: 92 Resp: 1829360

Ion Ratio Lower Upper

92 100

91 174.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN056923.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056923.D (-2588) (-)

2000000

1500000

1000000

500000

0

10.00

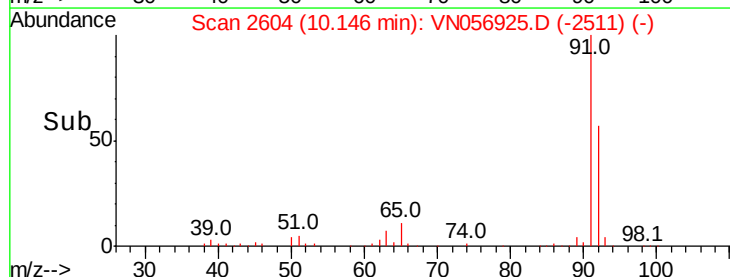
10.10

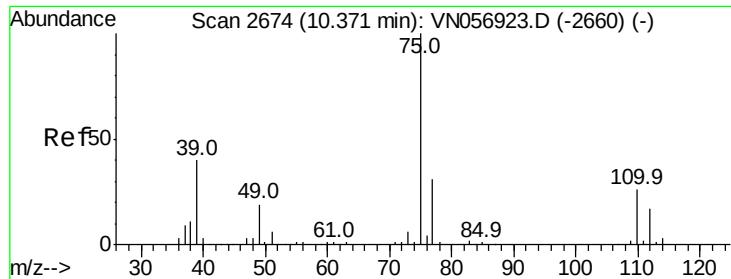
10.15

10.20

10.30

Time-->





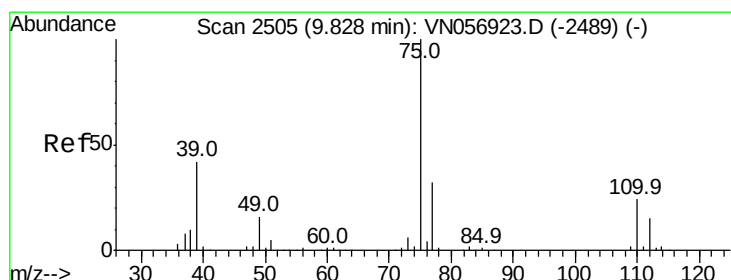
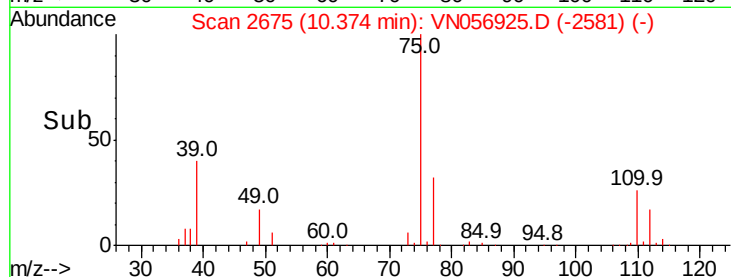
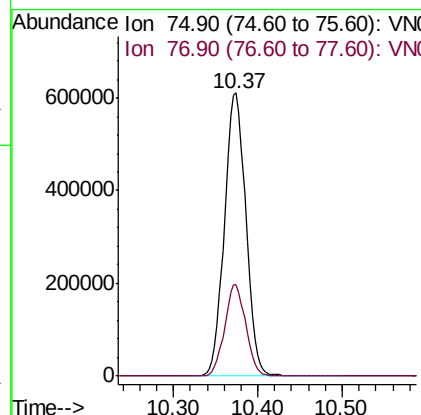
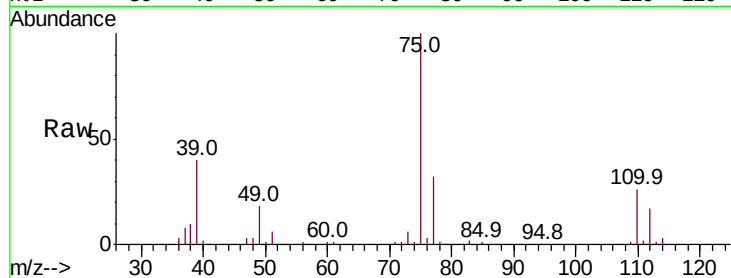
#53
 t-1,3-Dichloropropene
 Concen: 170.772 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1078451
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6

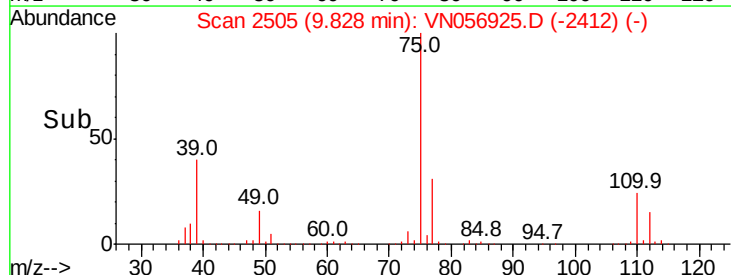
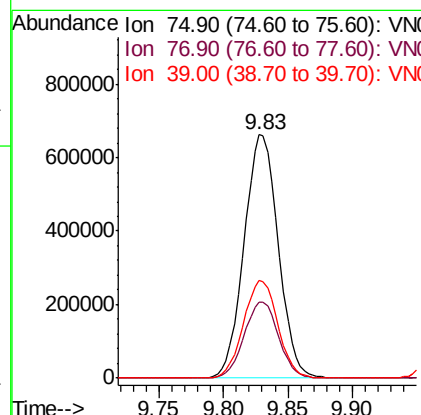
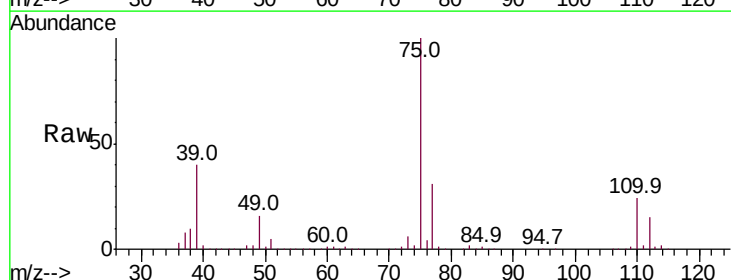
Manual Integrations
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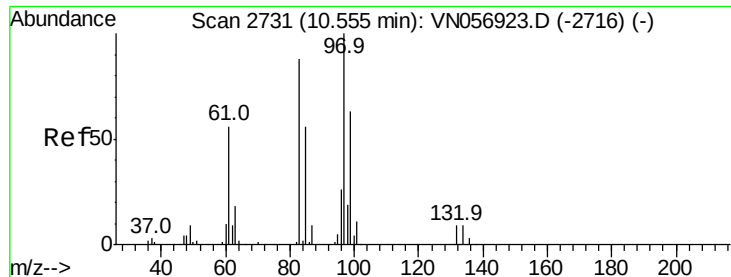
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#54
 cis-1,3-Dichloropropene
 Concen: 163.578 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion: 75 Resp: 1221319
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 40.0 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 150.088 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 706491

Ion Ratio Lower Upper

97 100

83 87.6 70.1 105.1

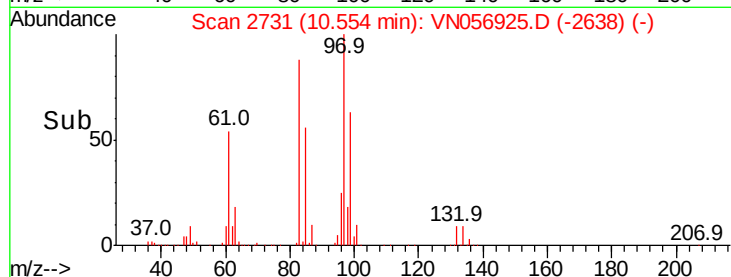
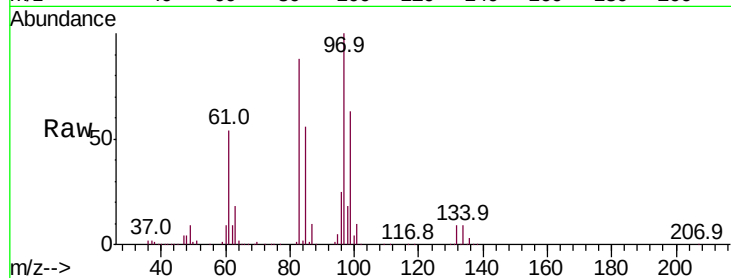
85 55.6 45.1 67.7

99 63.2 50.6 75.8

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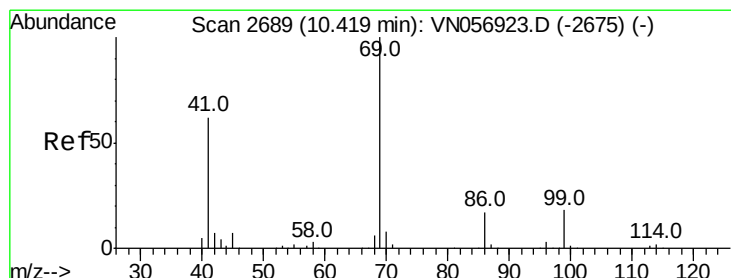
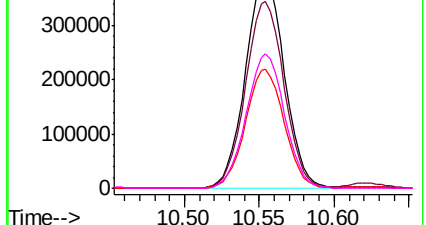


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 166.709 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

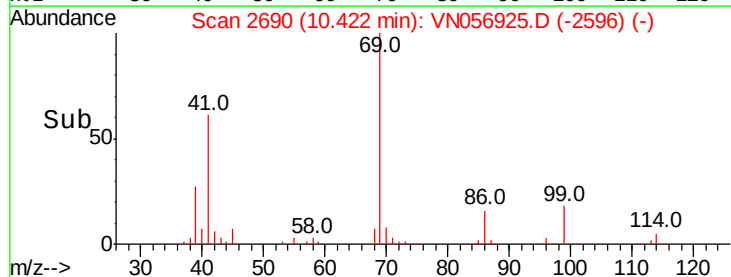
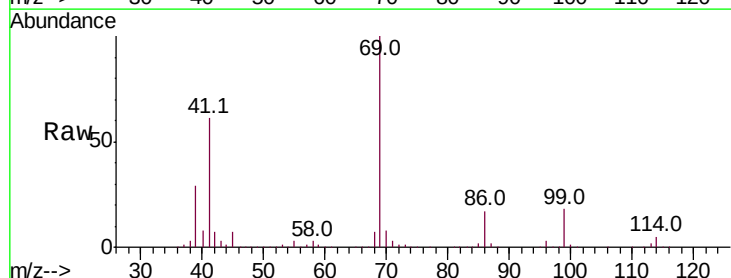
Tgt Ion: 69 Resp: 1083256

Ion Ratio Lower Upper

69 100

41 61.1 49.7 74.5

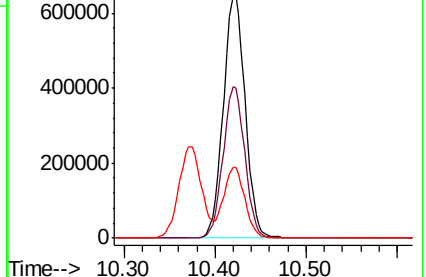
39 28.9 23.6 35.4

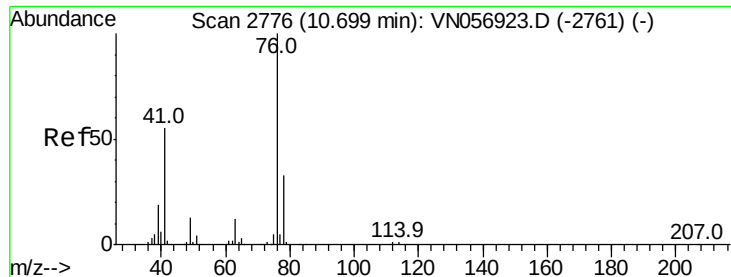


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





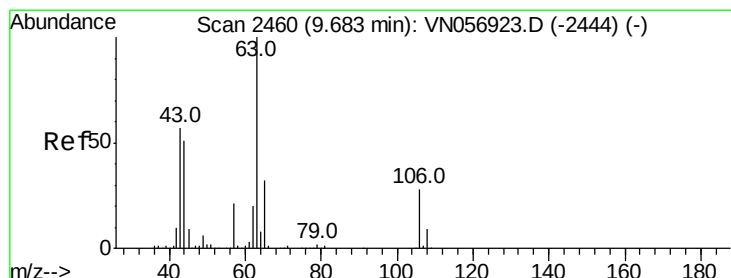
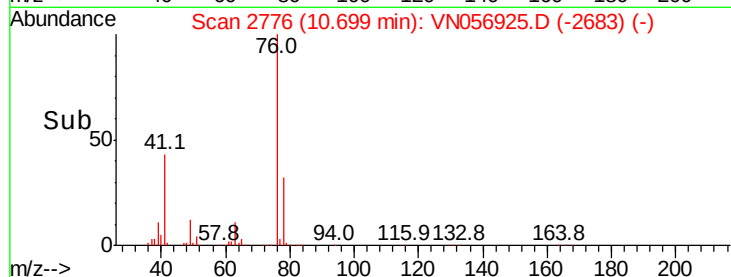
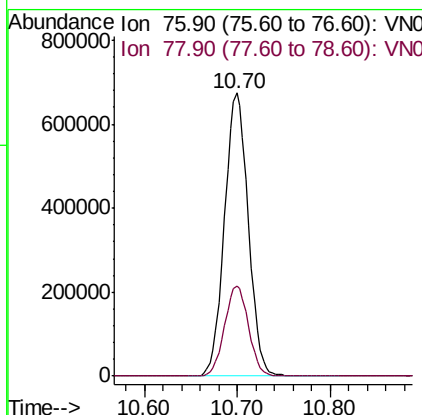
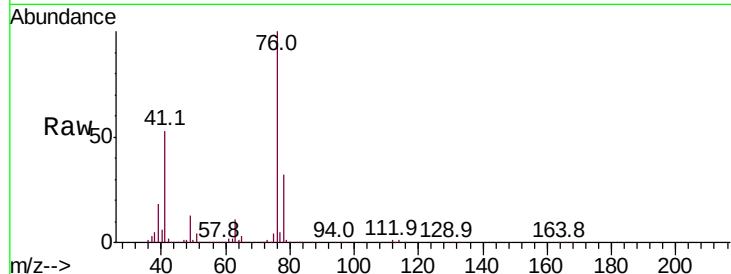
#57
 1,3-Dichloropropane
 Concen: 153.564 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1195558
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

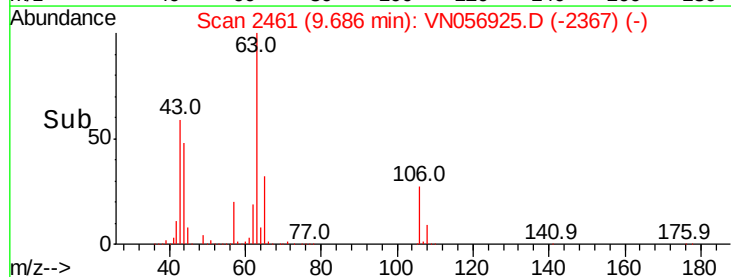
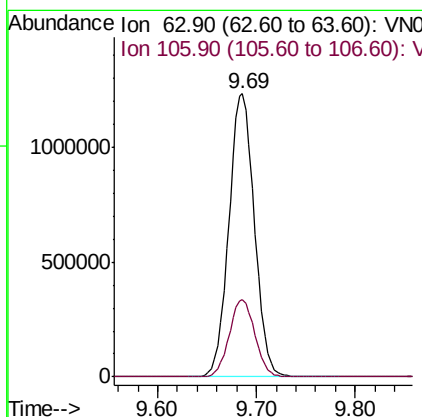
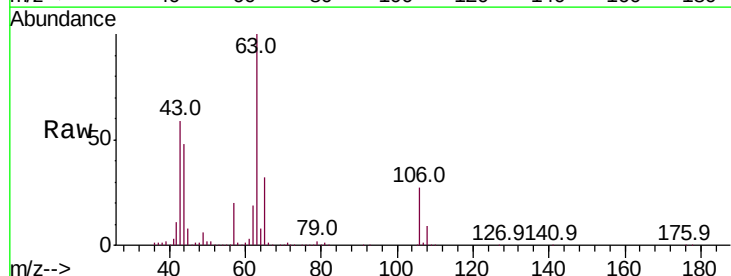
Manual Integrations
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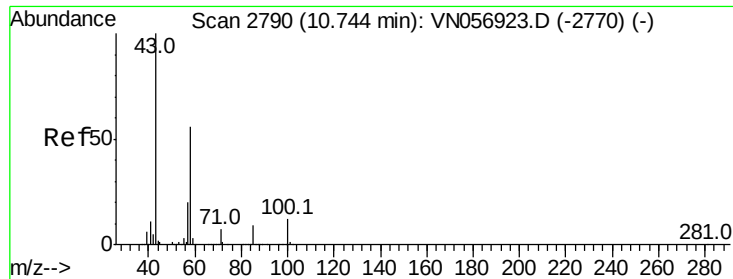
MMDadoda
 7/26/2019 3:37:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 822.756 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion: 63 Resp: 2227303
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.2 33.4





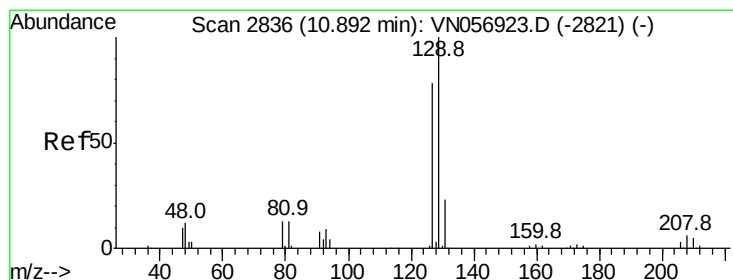
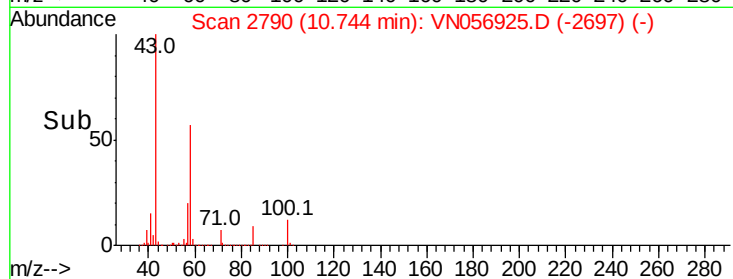
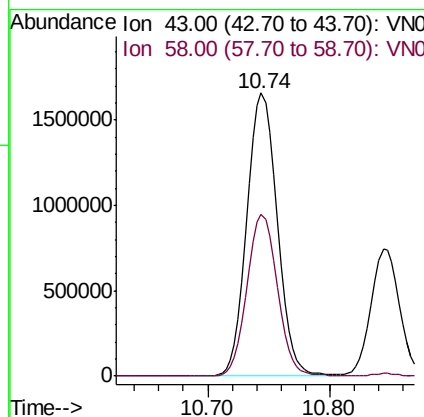
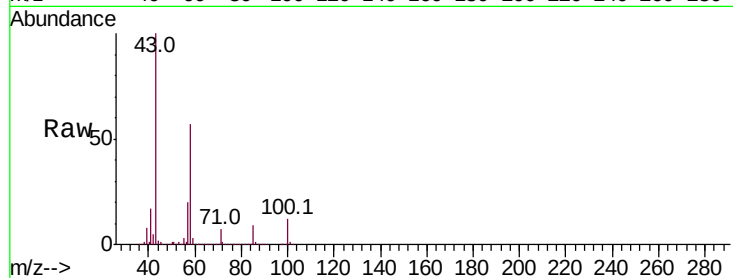
#59
2-Hexanone
Concen: 789.452 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2846301
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.6

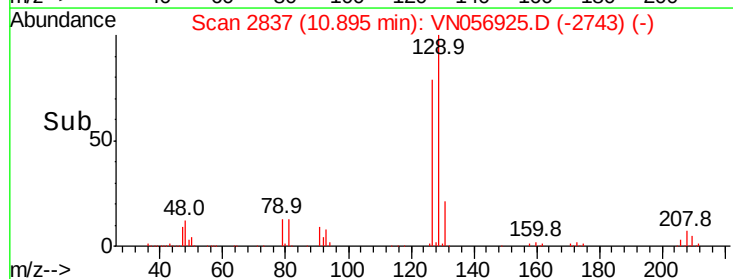
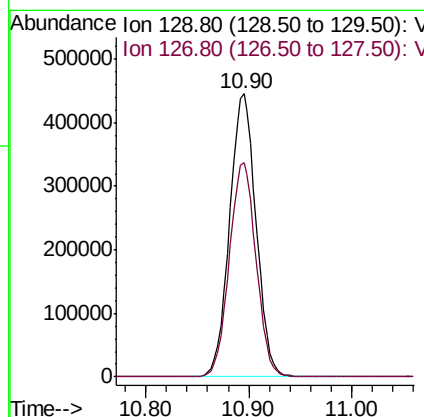
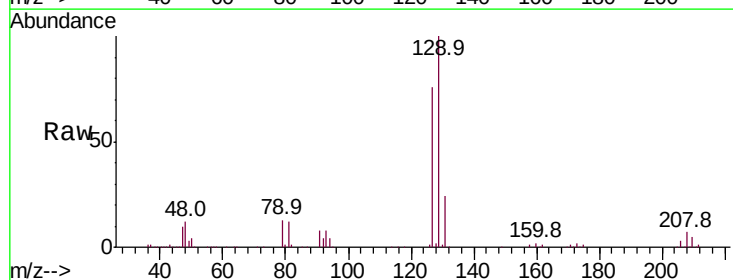
Manual Integrations
APPROVED

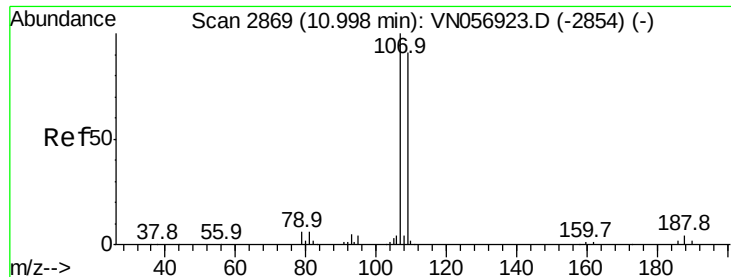
MMDadoda
7/26/2019 3:37:03 PM



#60
Dibromochloromethane
Concen: 168.610 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 129 Resp: 796764
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





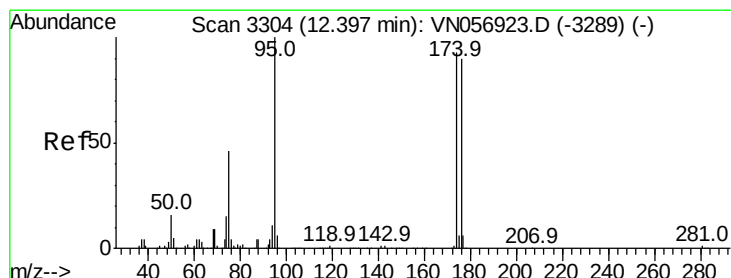
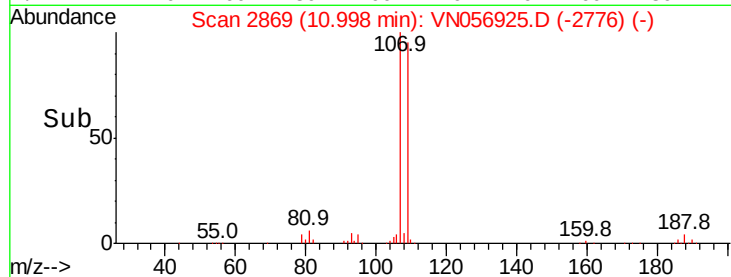
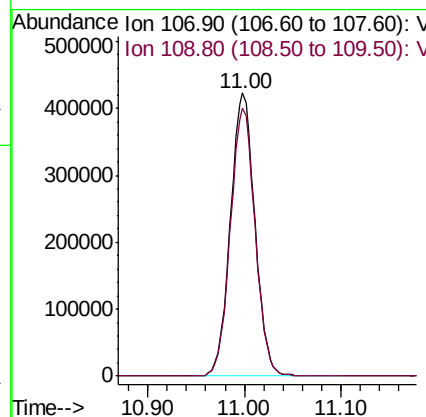
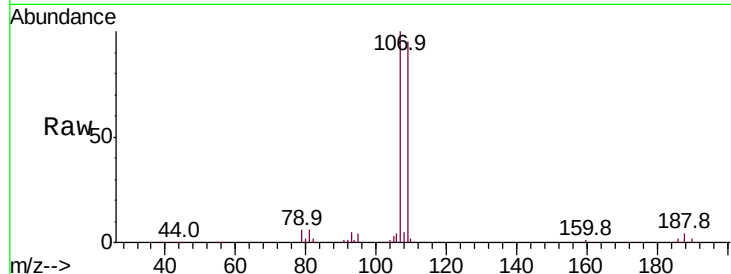
#61
 1,2-Dibromoethane
 Concen: 159.471 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.8	112.2

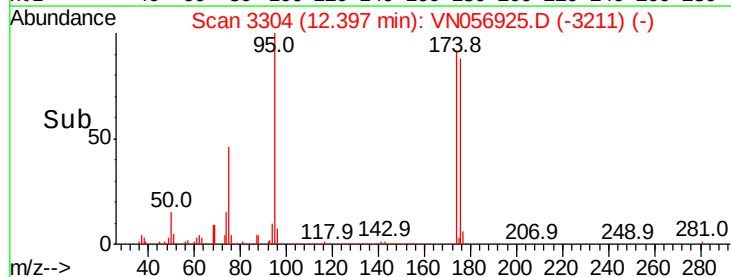
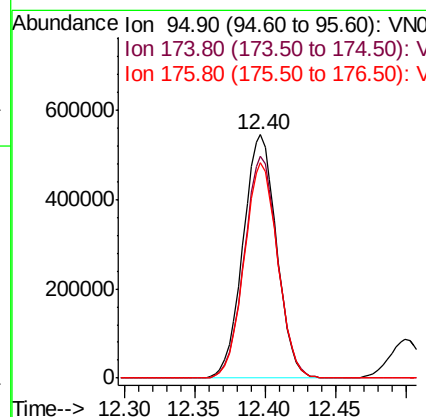
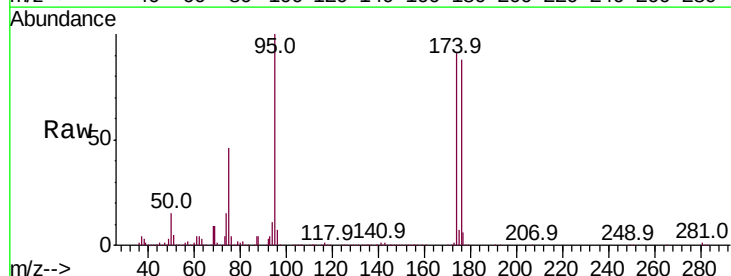
Manual Integrations
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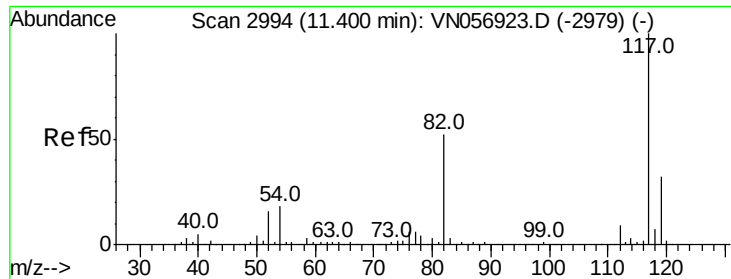
MMDadoda
 7/26/2019 3:37:03 PM



#62
 4-Bromofluorobenzene
 Concen: 165.465 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	186.2
176	88.3	0.0	179.6





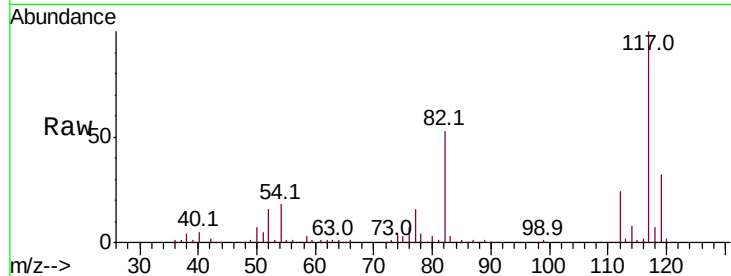
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.7	62.5
119	32.4	25.5	38.3

Manual Integrations
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MMDadoda
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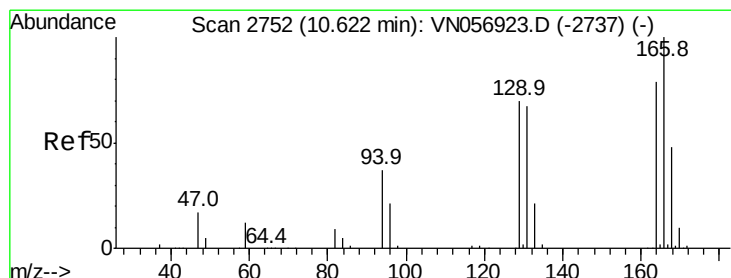
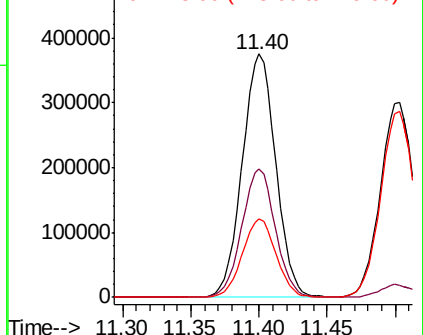
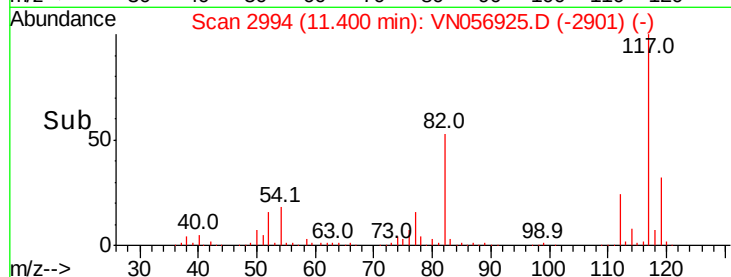


Abundance

Ion 116.90 (116.60 to 117.60): V

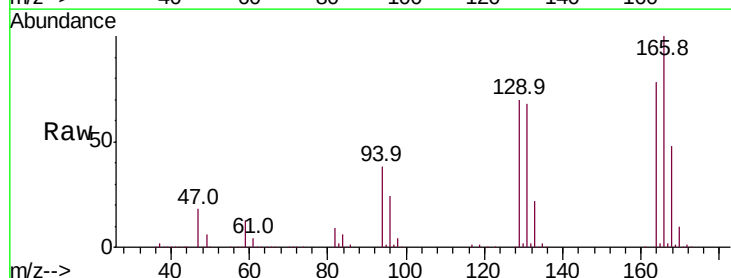
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 139.776 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.6	152.4
129	90.3	70.9	106.3
131	87.0	68.4	102.6



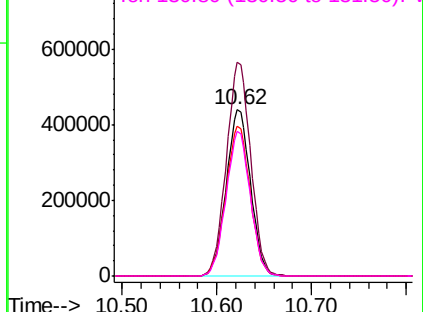
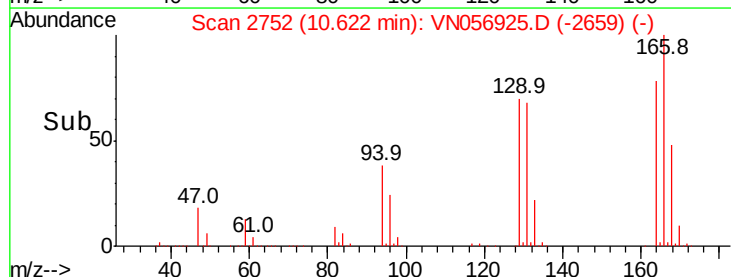
Abundance

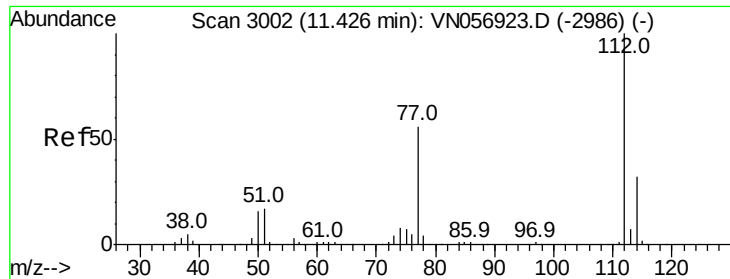
Ion 163.80 (163.50 to 164.50): V

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





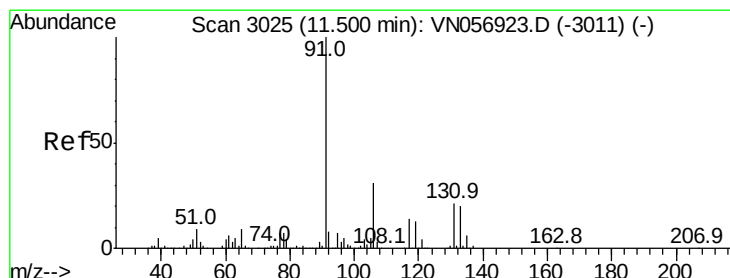
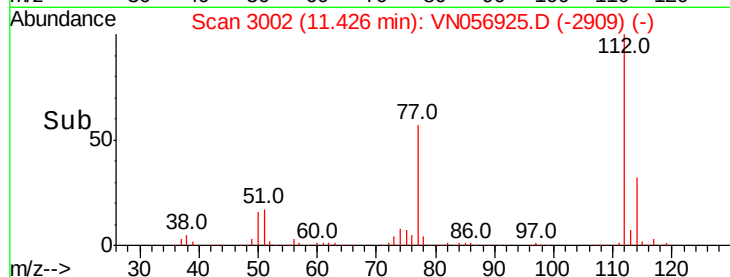
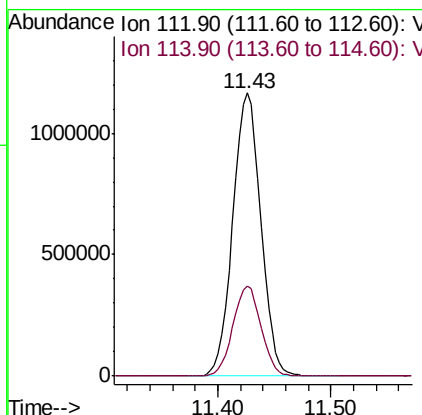
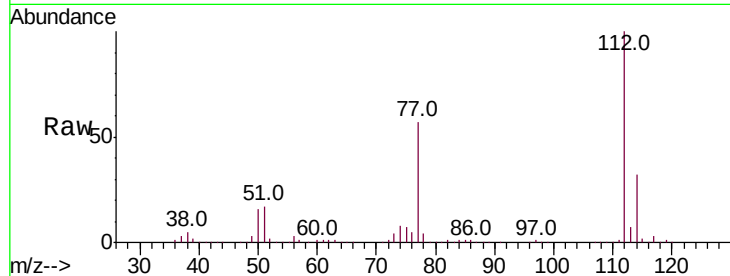
#65
Chlorobenzene
Concen: 150.078 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 2010515
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

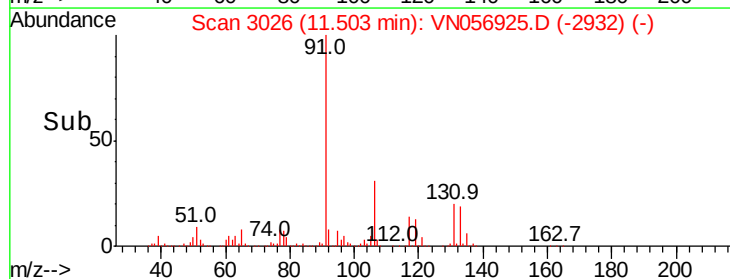
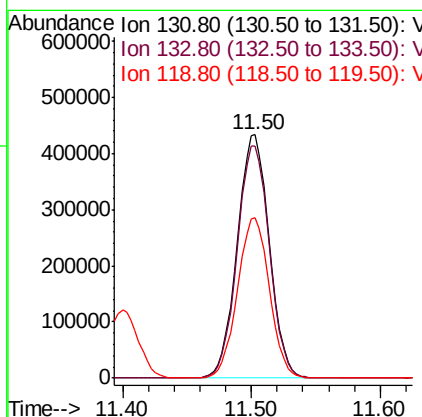
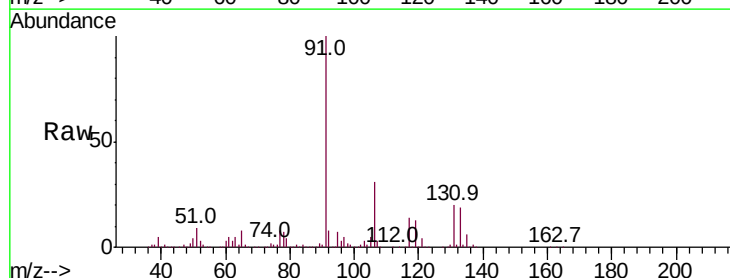
Manual Integrations
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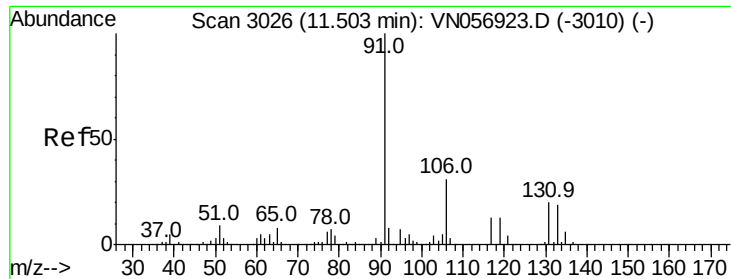
MMDadoda
7/26/2019 3:37:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 148.177 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion:131 Resp: 748924
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.4
119 65.8 32.6 98.0





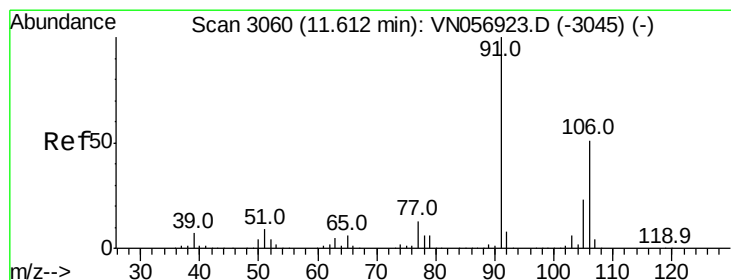
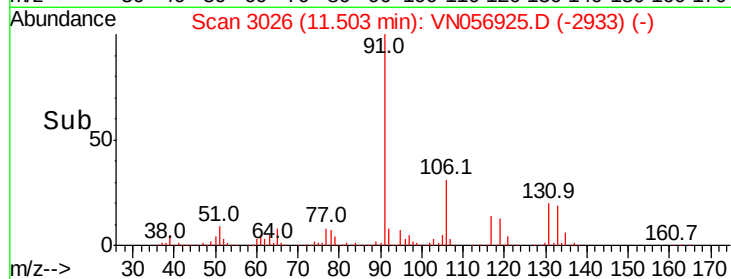
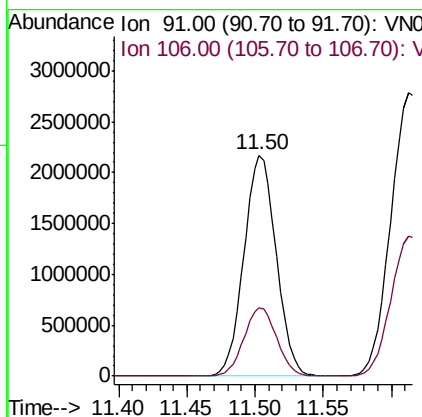
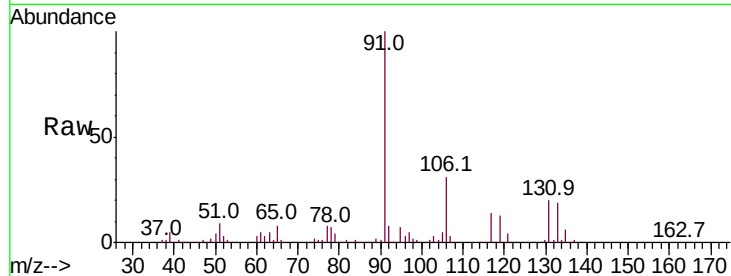
#67
Ethyl Benzene
Concen: 154.087 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3567119
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

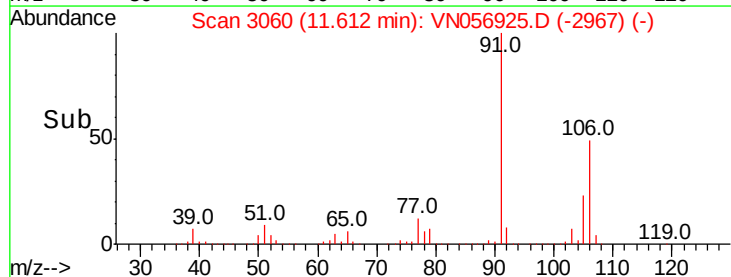
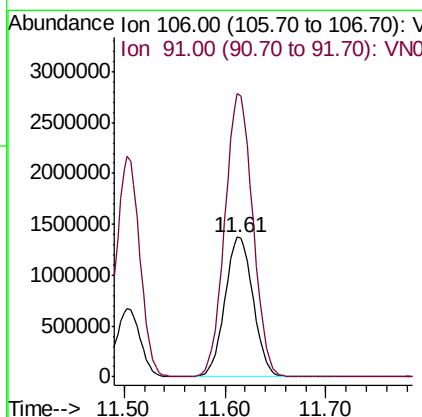
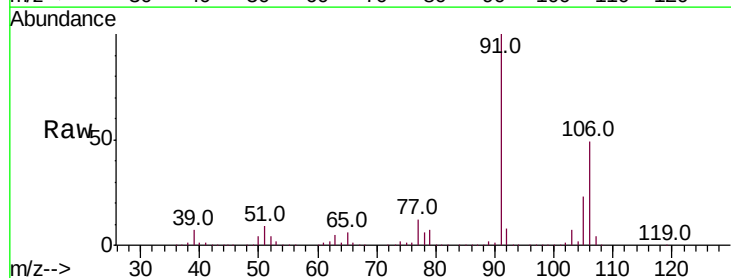
Manual Integrations
APPROVED

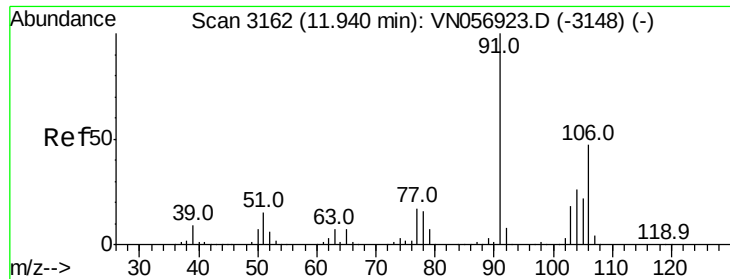
MMDadoda
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#68
m/p-Xylenes
Concen: 308.369 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 106 Resp: 2673351
Ion Ratio Lower Upper
106 100
91 201.5 159.6 239.4





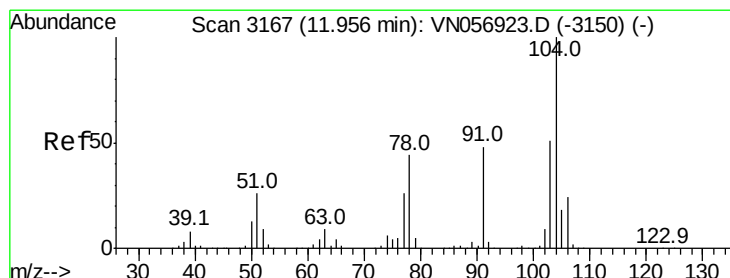
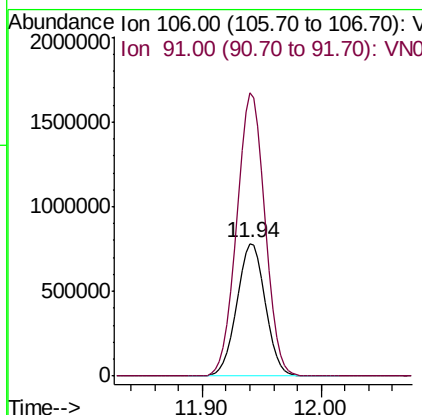
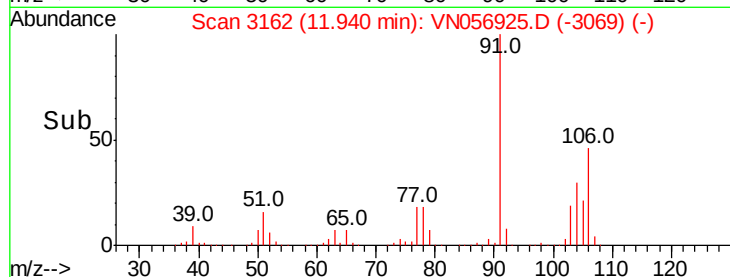
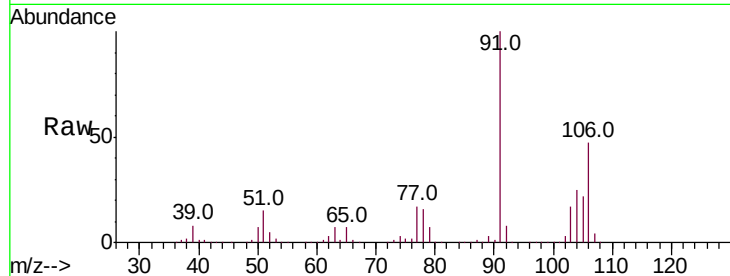
#69
o-Xylene
Concen: 153.502 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1296067
Ion Ratio Lower Upper
106 100
91 211.8 105.7 317.0

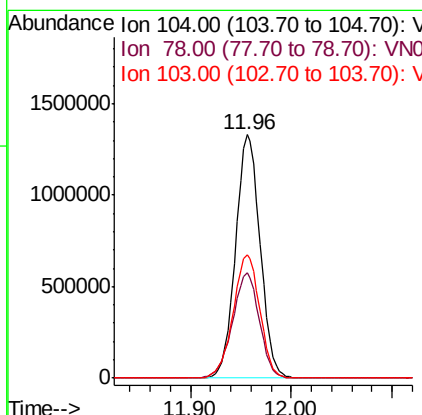
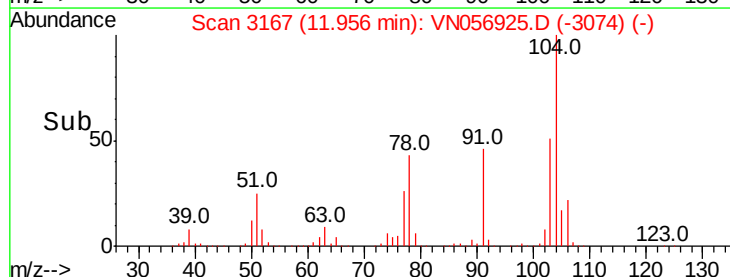
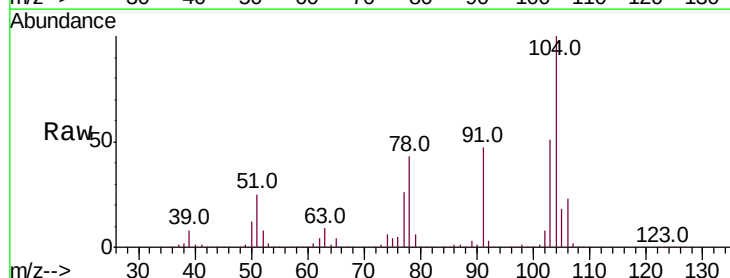
Manual Integrations
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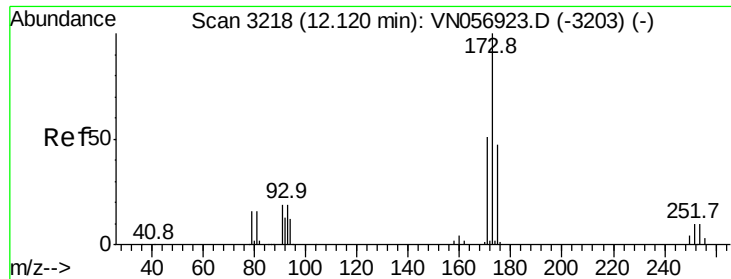
MMDadoda
7/26/2019 3:37:03 PM



#70
Styrene
Concen: 166.857 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion:104 Resp: 2246637
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 169.357 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 589282

Ion Ratio Lower Upper

173 100

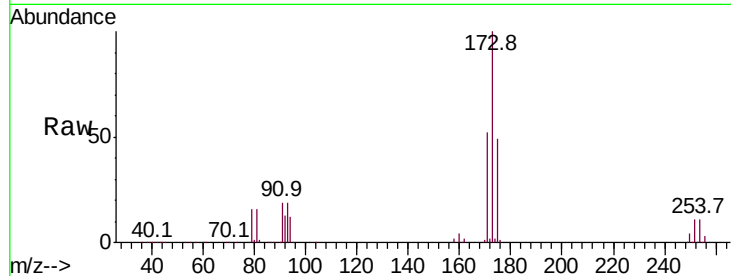
175 48.6 24.2 72.6

254 0.1 0.1 0.1#

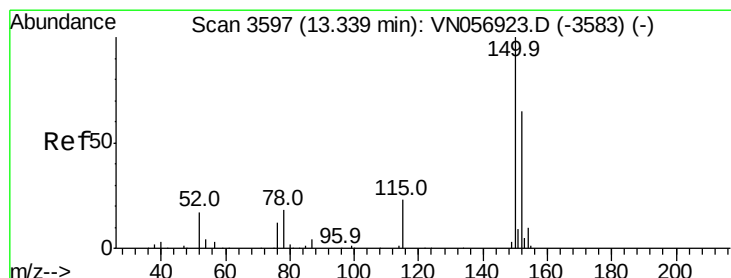
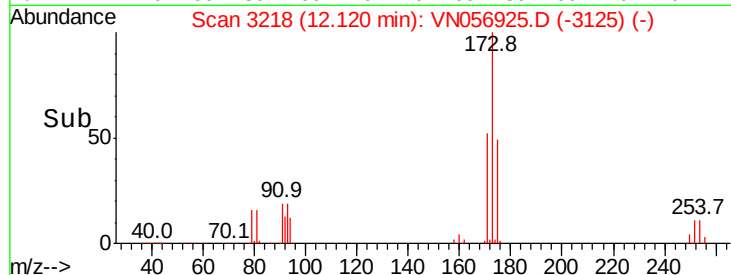
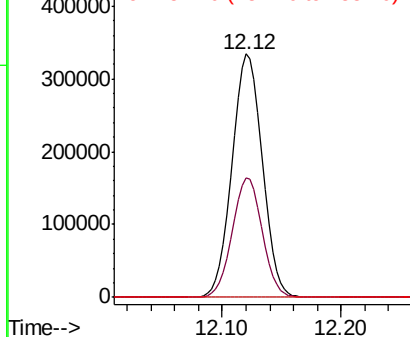
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

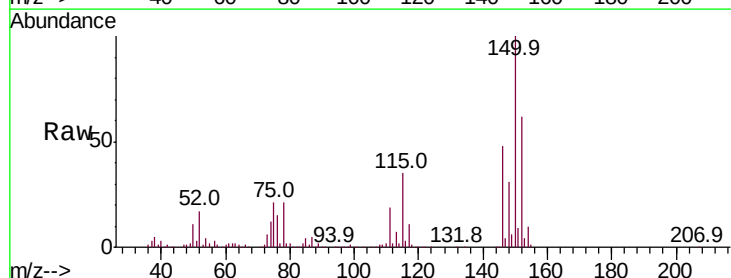
Tgt Ion:152 Resp: 310205

Ion Ratio Lower Upper

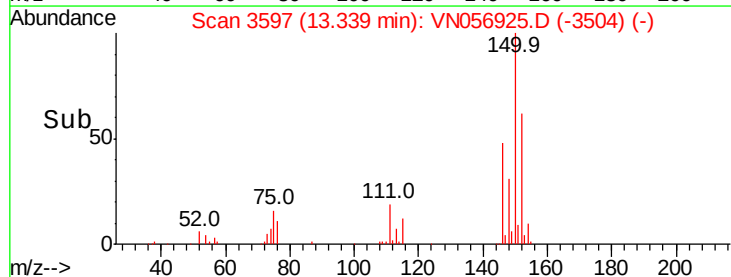
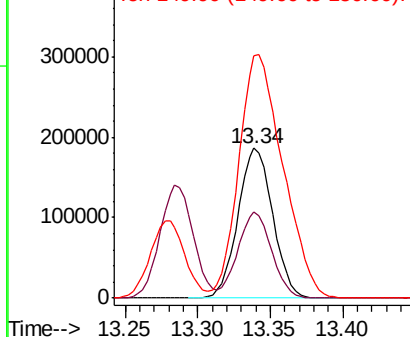
152 100

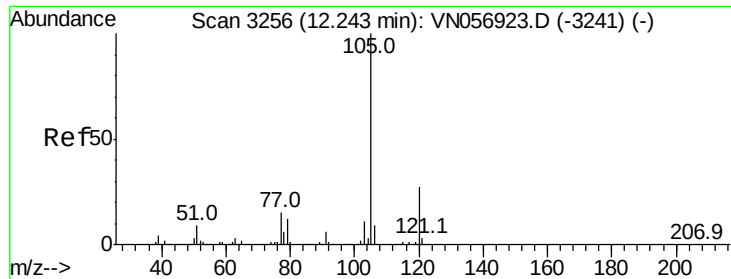
115 55.7 27.9 83.7

150 206.2 0.0 354.2



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: 127.171 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3477232

Ion Ratio Lower Upper

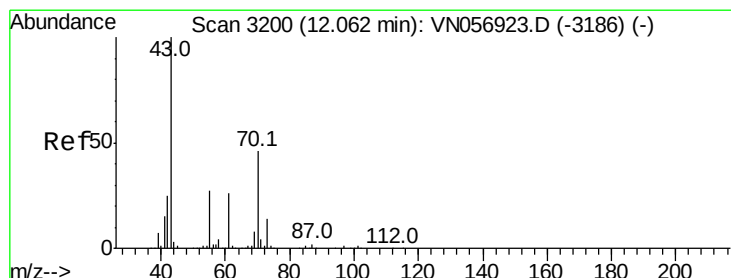
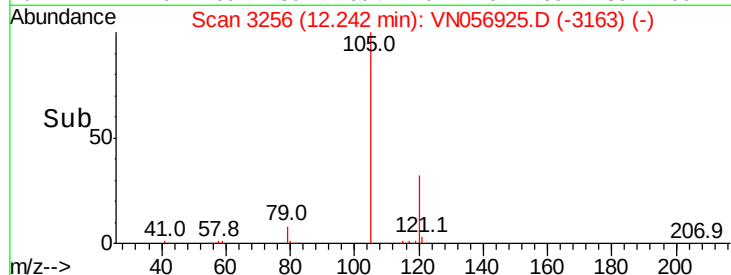
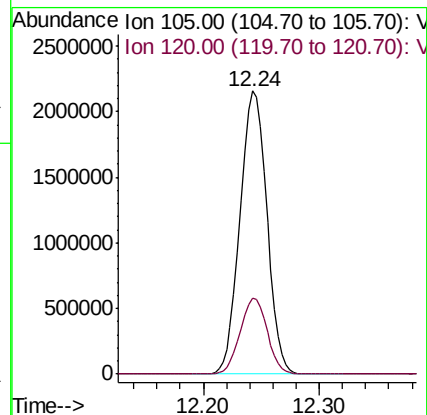
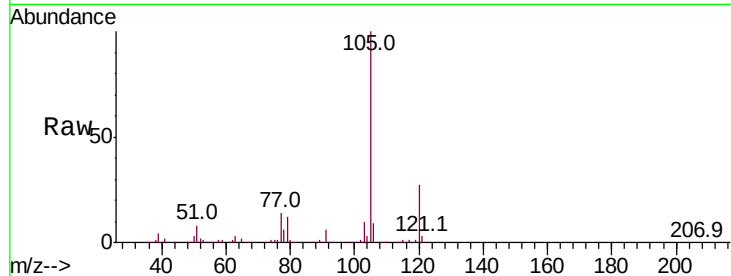
105 100

120 26.8 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 131.218 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion: 43 Resp: 1187669

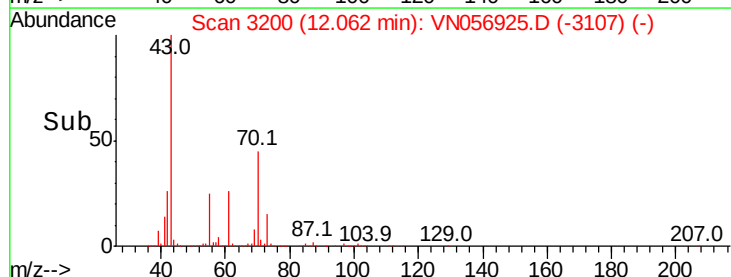
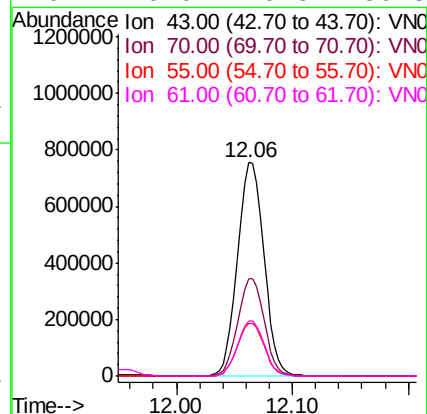
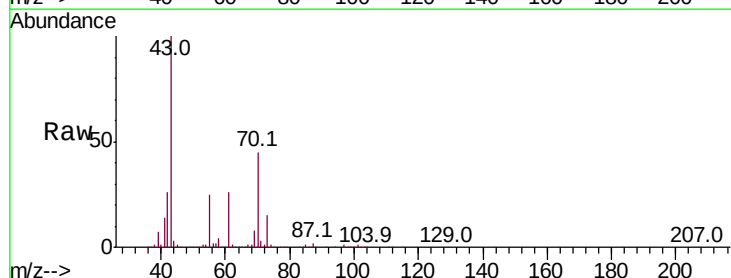
Ion Ratio Lower Upper

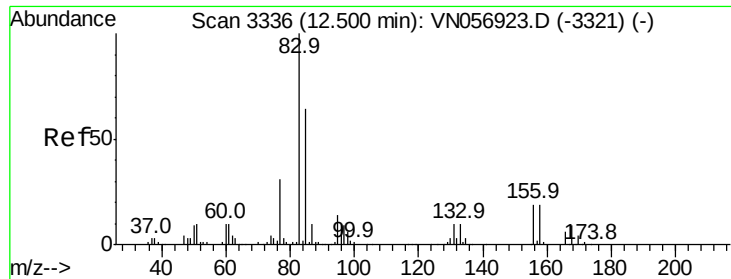
43 100

70 45.7 35.9 53.9

55 25.3 21.4 32.2

61 26.0 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 120.184 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

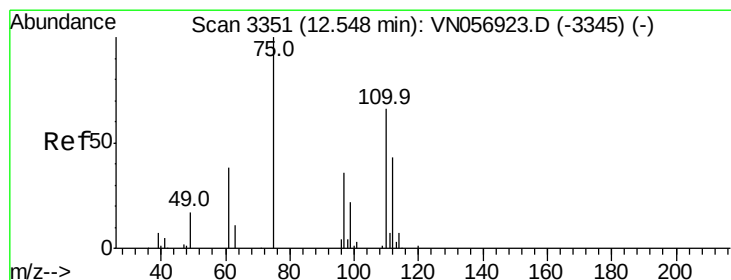
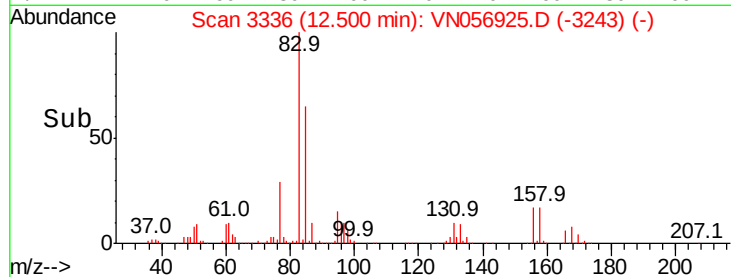
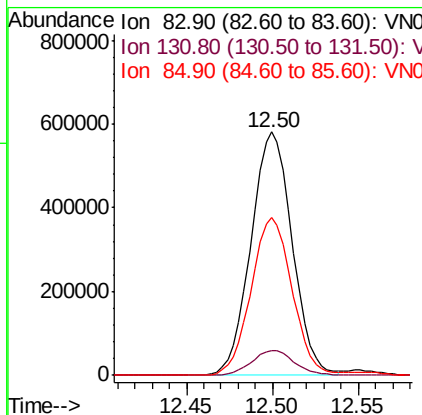
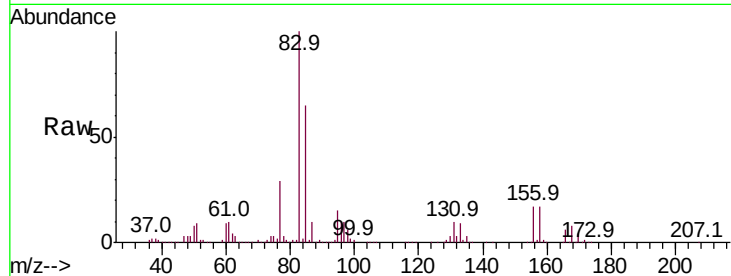
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	965678
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	64.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 116.907 ug/l m

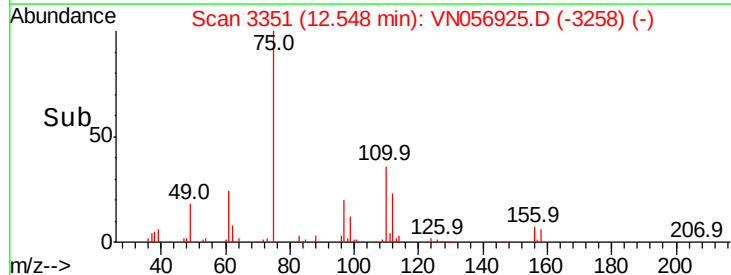
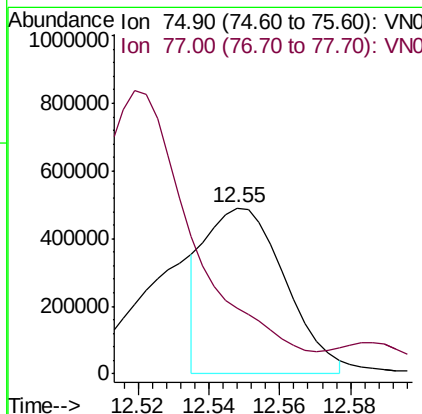
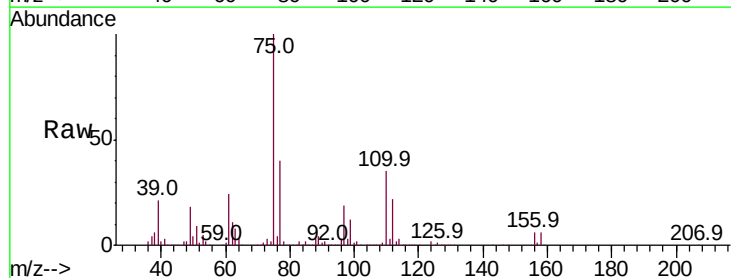
RT: 12.55 min Scan# 3351

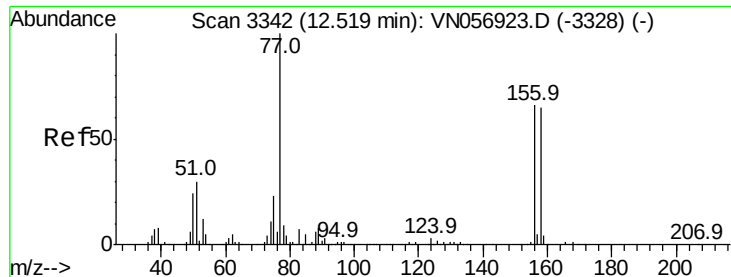
Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion:	75	Resp:	764313
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 136.989 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

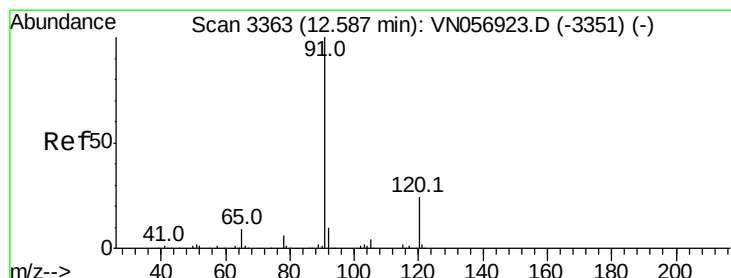
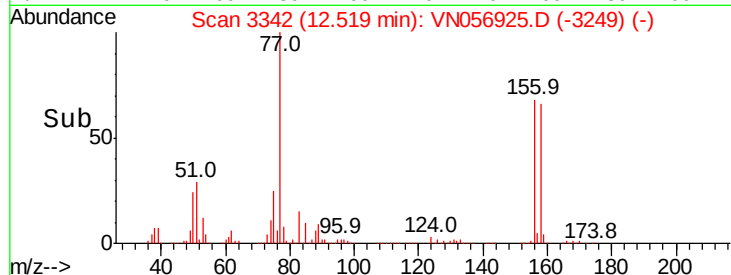
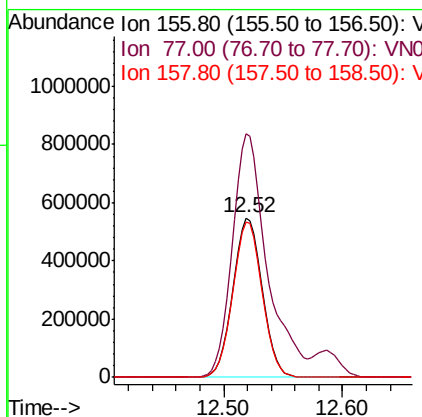
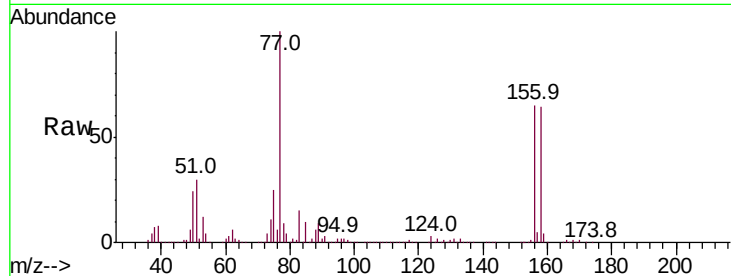
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	934524
Ion Ratio	Lower	Upper	
156	100		
77	181.6	90.8	272.3
158	97.3	49.5	148.5

Manual Integrations
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#78

n-propylbenzene

Concen: 137.807 ug/l

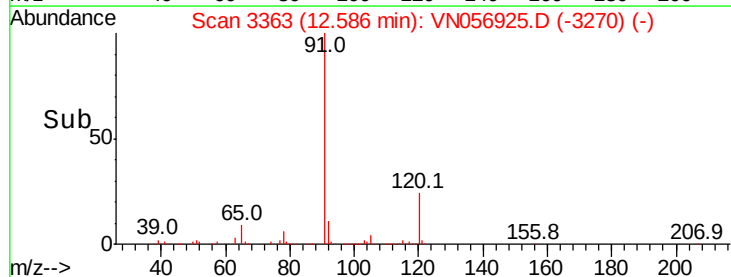
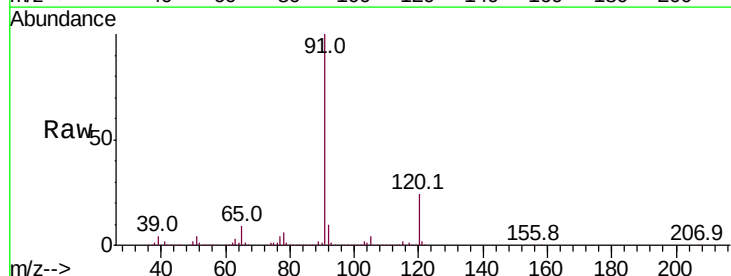
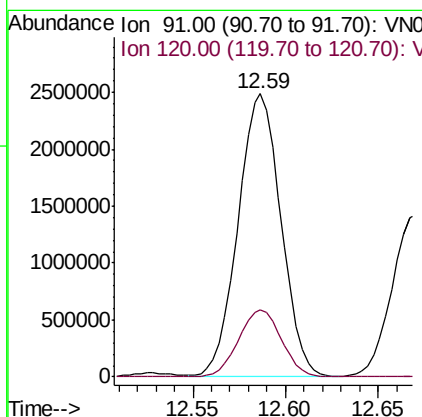
RT: 12.59 min Scan# 3363

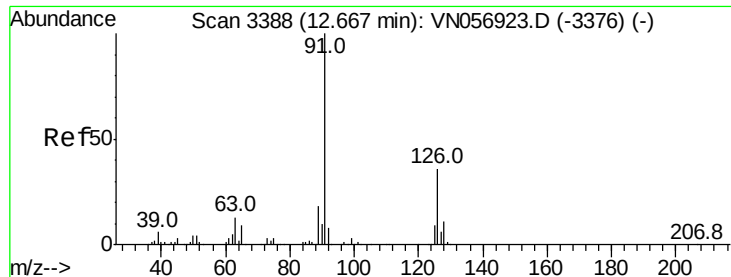
Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Tgt Ion:	91	Resp:	3975048
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.7





#79

2-Chlorotoluene

Concen: 129.194 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2328755

Ion Ratio Lower Upper

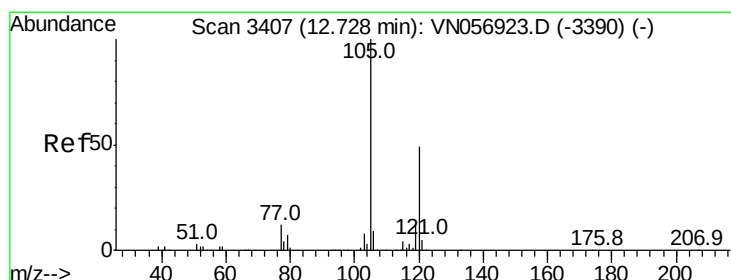
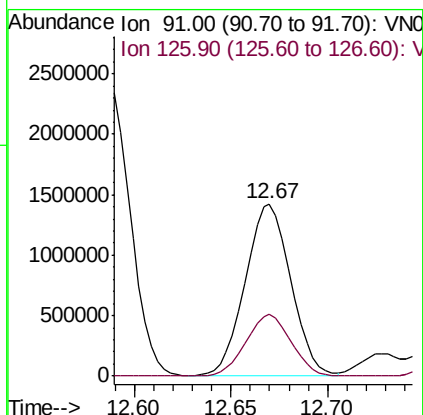
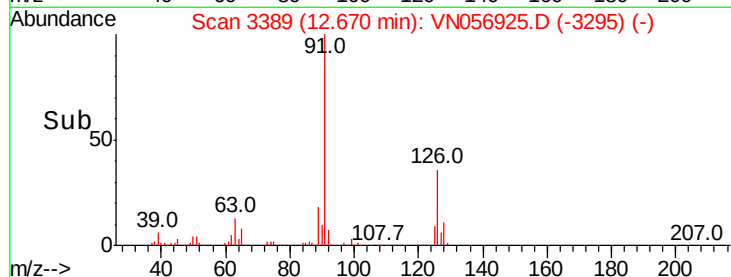
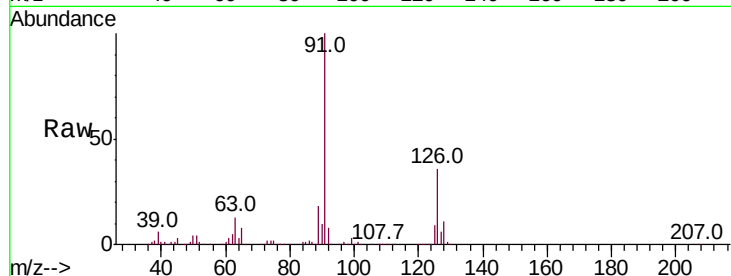
91 100

126 35.8 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 129.443 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056925.D

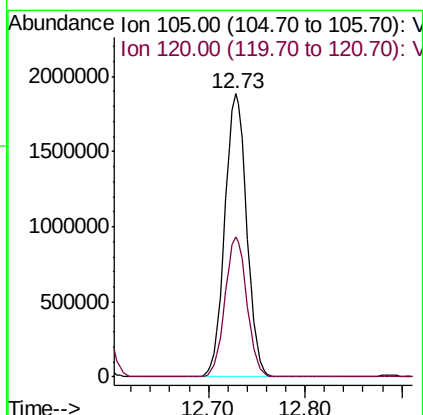
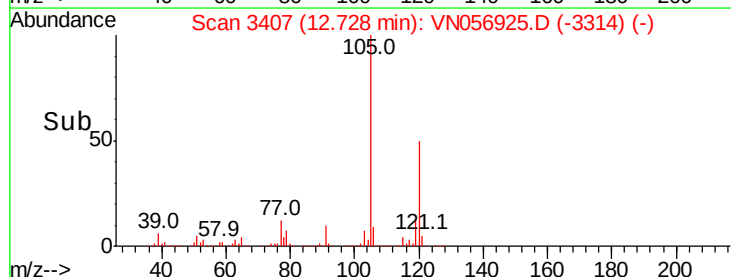
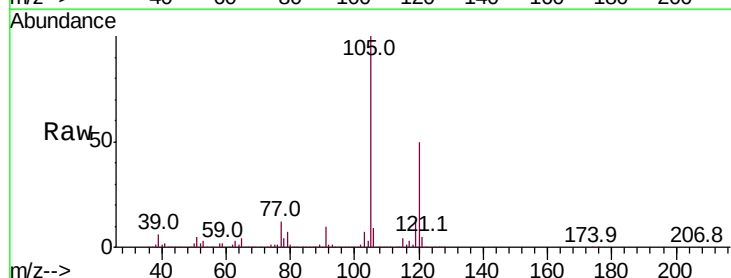
Acq: 25 Jul 2019 16:12

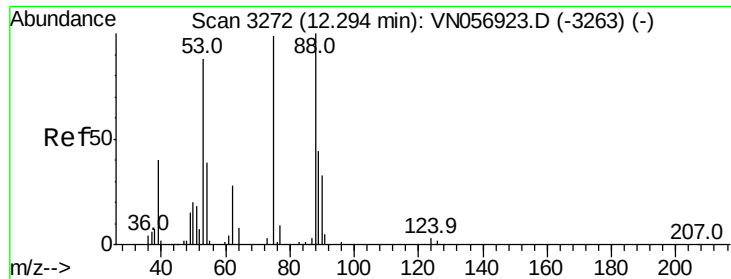
Tgt Ion: 105 Resp: 2949697

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 154.976 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 311362

Ion Ratio Lower Upper

75 100

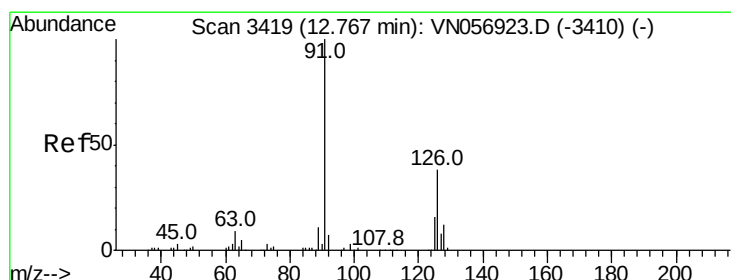
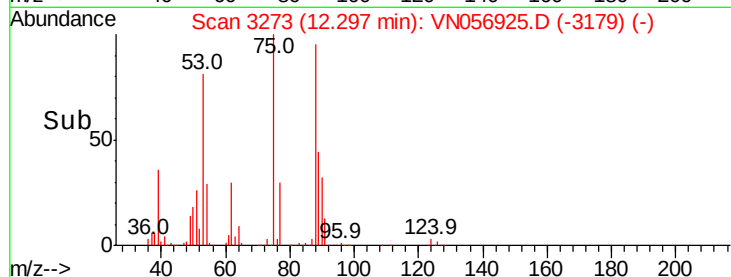
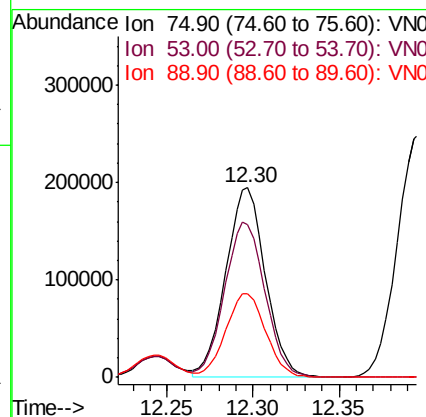
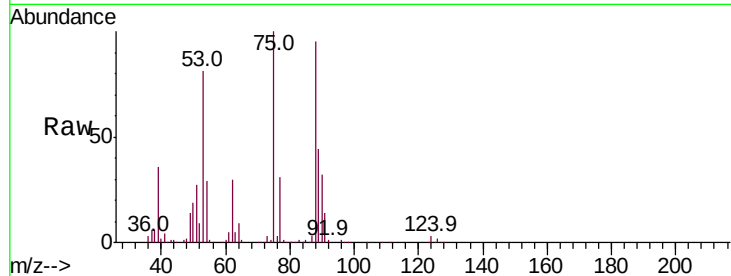
53 84.7 72.3 108.5

89 45.1 36.2 54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 138.145 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056925.D

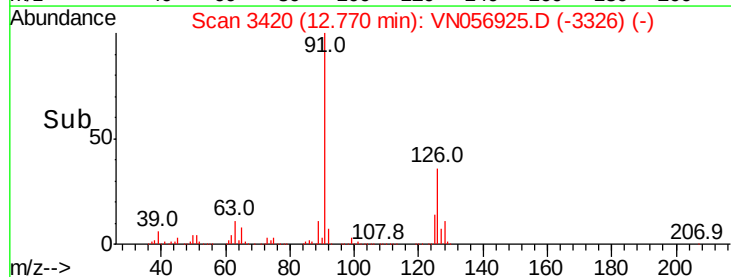
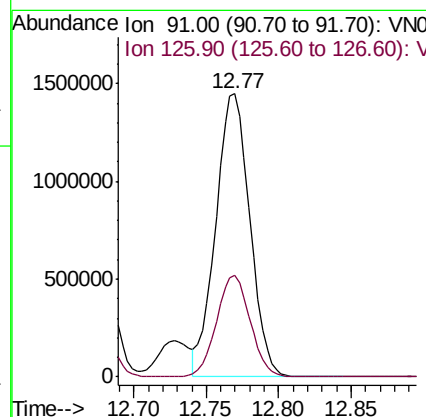
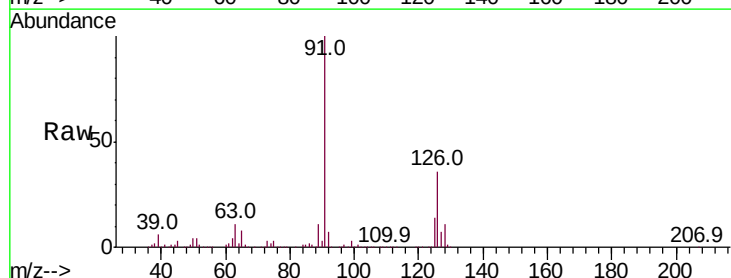
Acq: 25 Jul 2019 16:12

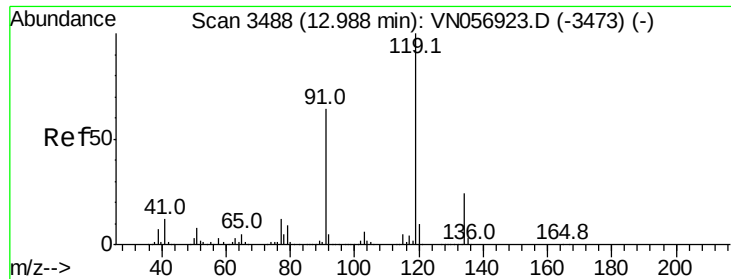
Tgt Ion: 91 Resp: 2364842

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.7





#83
 tert-Butylbenzene
 Concen: 126.252 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

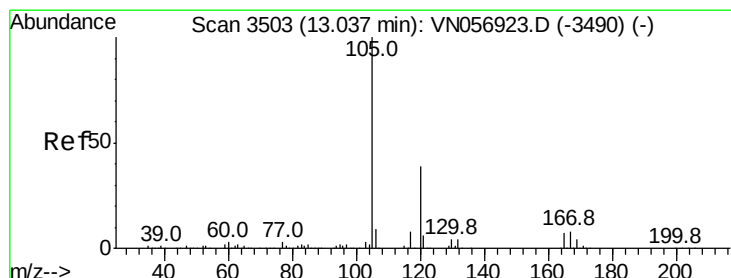
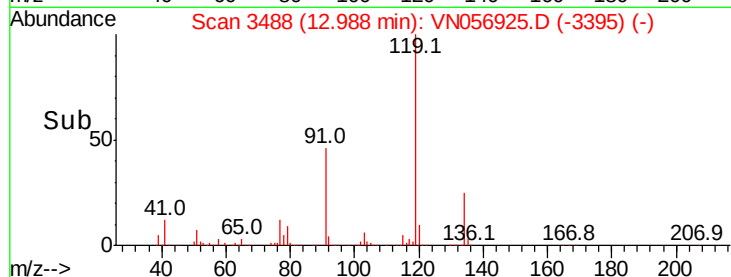
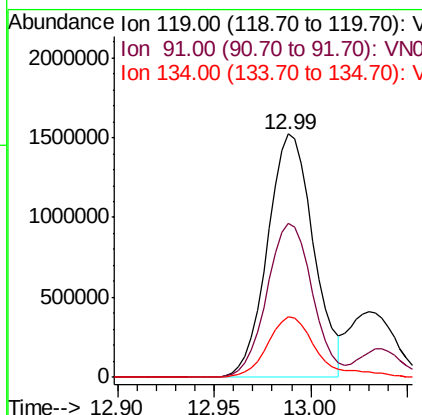
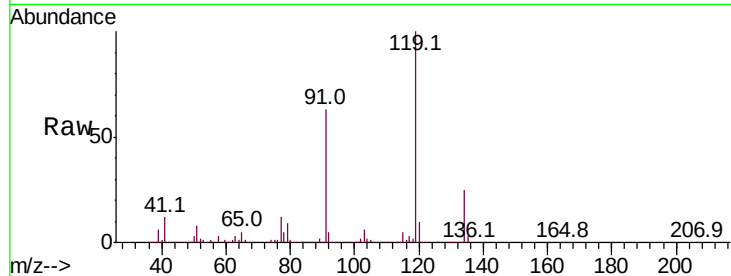
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2518683

Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.6	95.0
134	26.6	13.2	39.5

Manual Integrations
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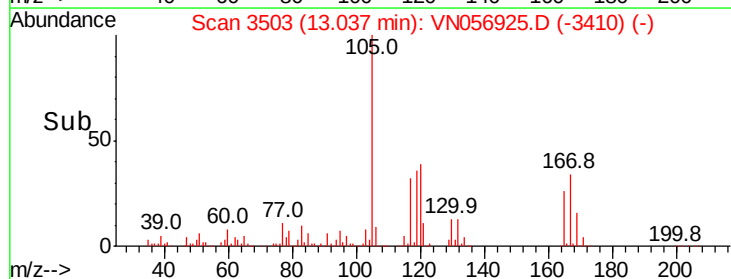
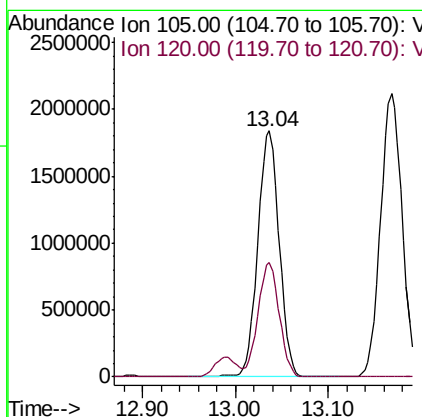
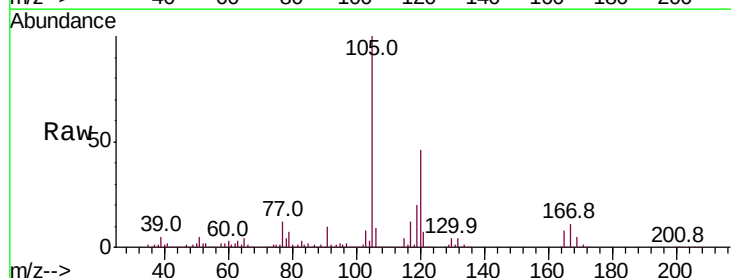
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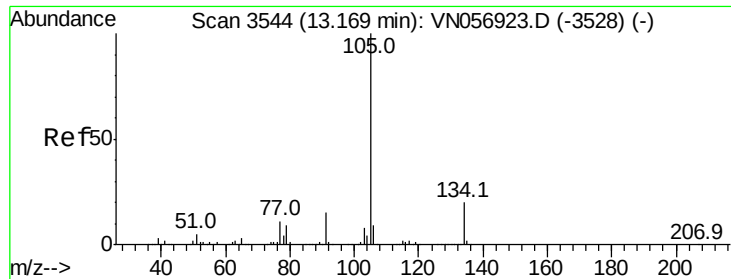


#84
 1,2,4-Trimethylbenzene
 Concen: 135.697 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion:105 Resp: 2946190

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 133.517 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3408533

Ion Ratio Lower Upper

105 100

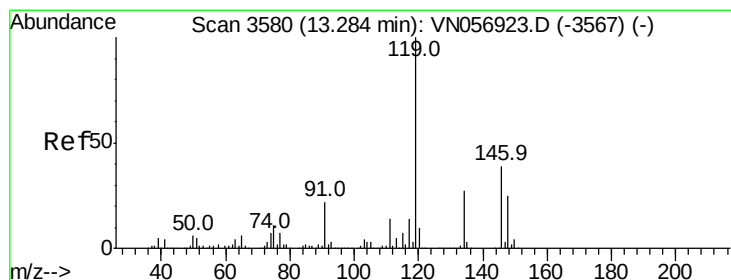
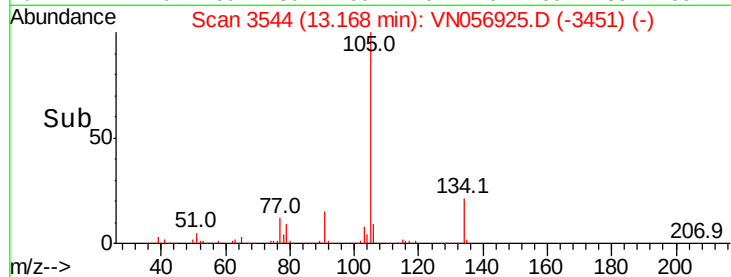
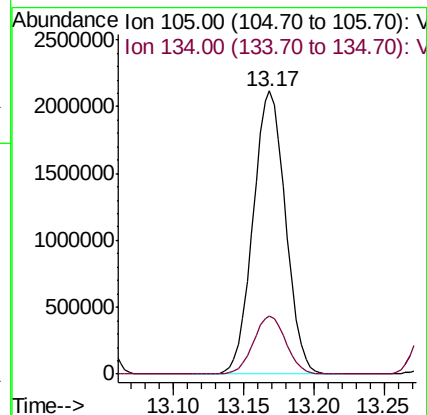
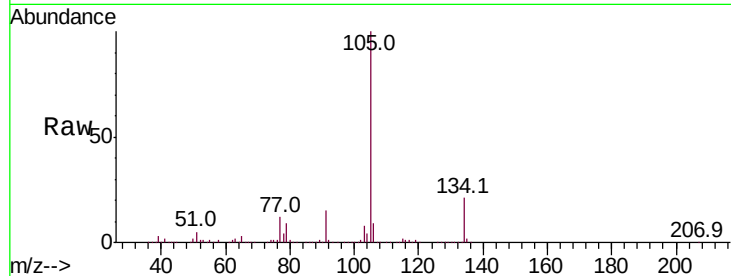
134 20.5 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 137.483 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056925.D

Acq: 25 Jul 2019 16:12

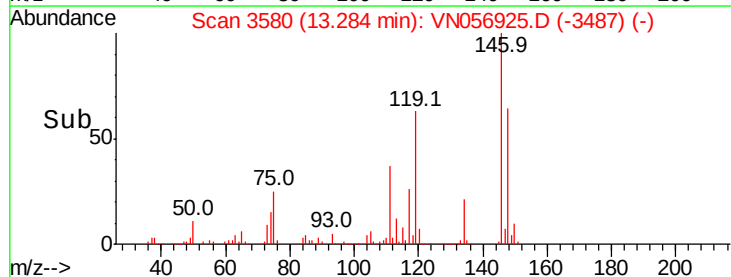
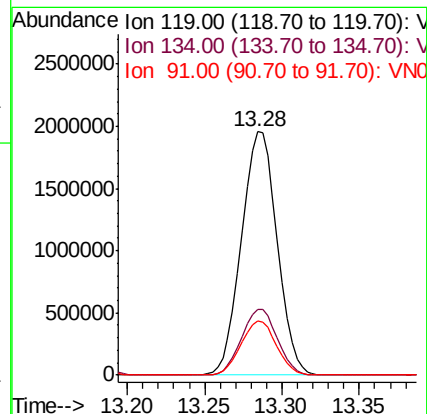
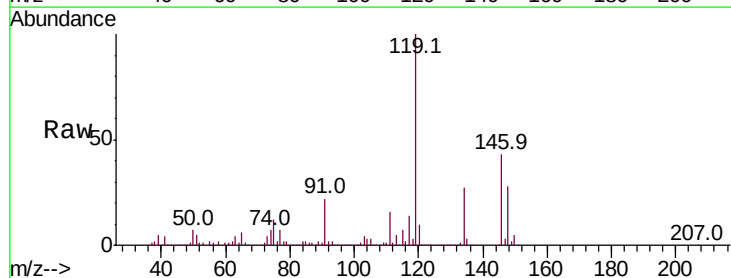
Tgt Ion:119 Resp: 3131455

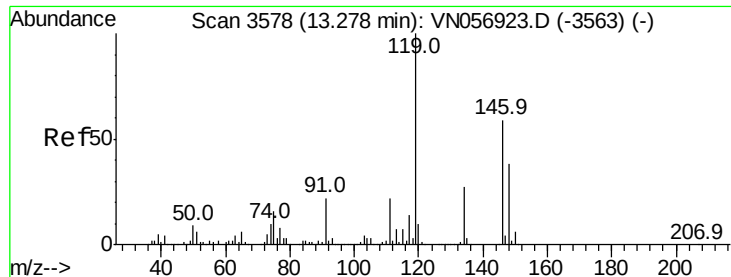
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 22.1 11.0 33.0





#87
 1,3-Dichlorobenzene
 Concen: 145.208 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

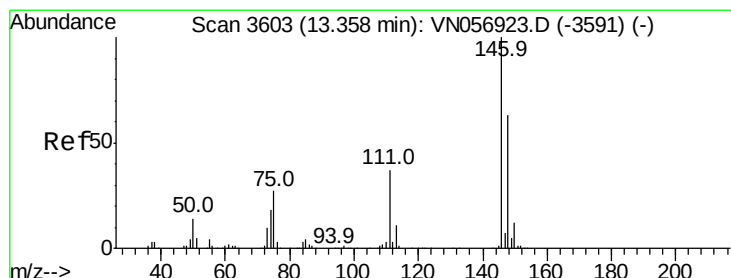
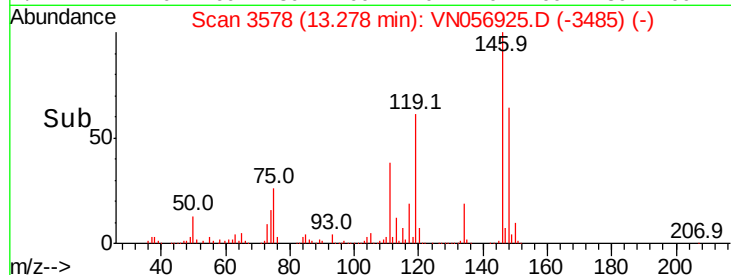
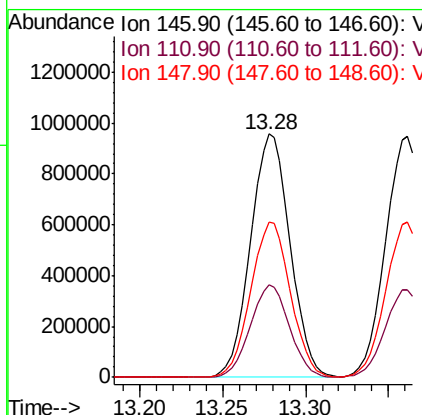
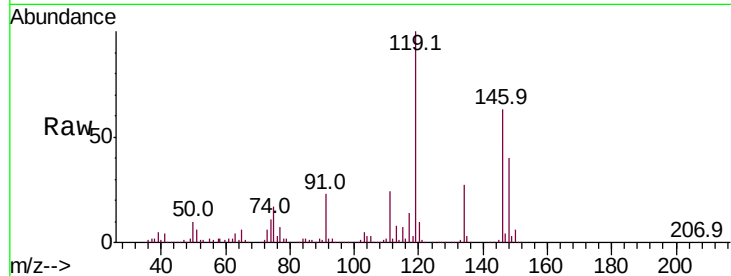
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1590826

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	64.1	31.6	94.7

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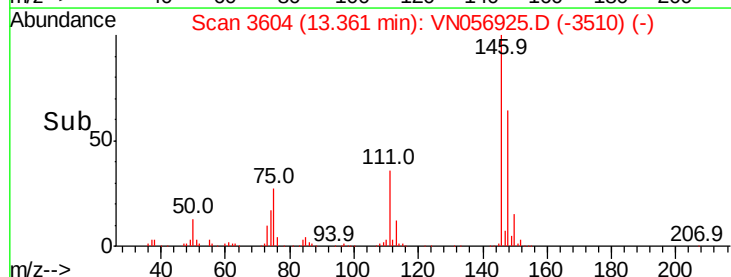
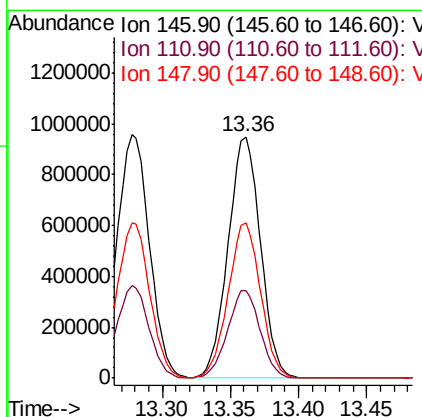
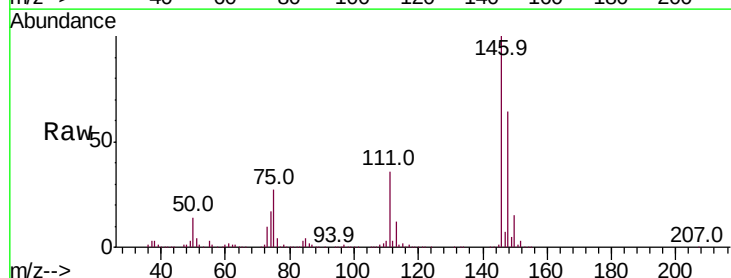
MMDadoda
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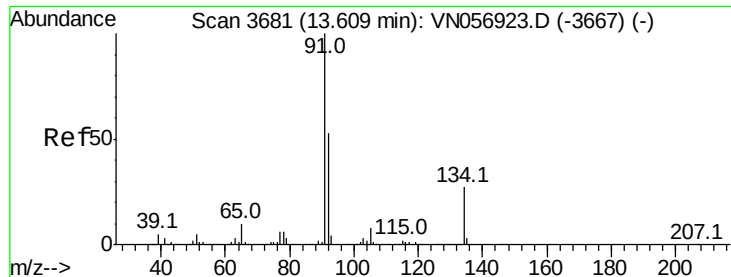


#88
 1,4-Dichlorobenzene
 Concen: 147.525 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion:146 Resp: 1563454

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.9	56.5
148	64.2	32.1	96.3





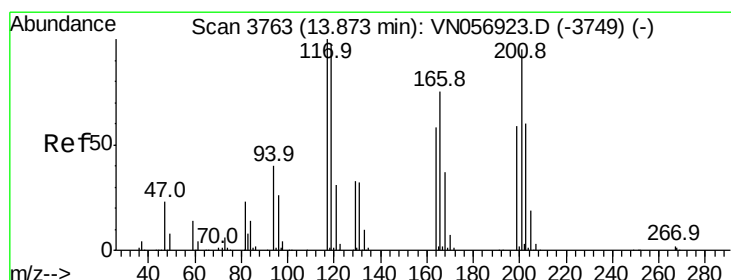
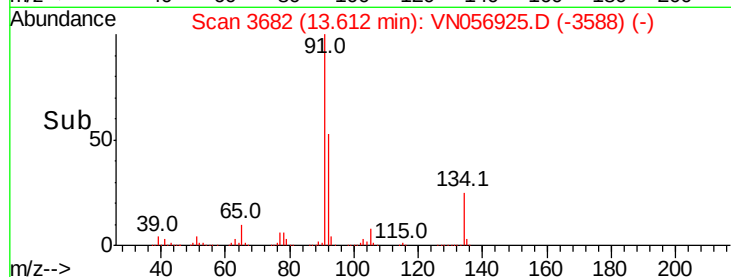
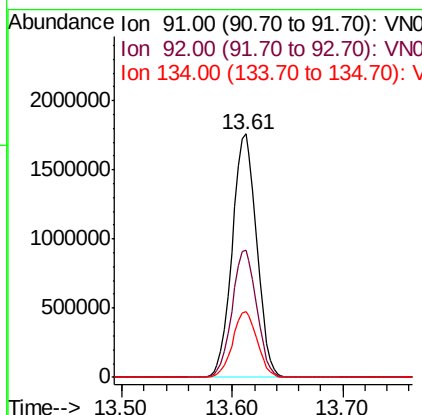
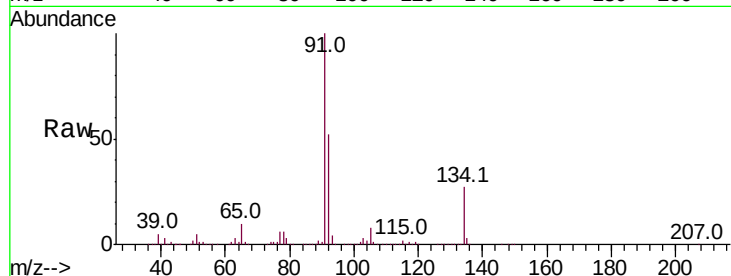
#89
n-Butylbenzene
Concen: 154.930 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2705002
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 26.9 13.5 40.5

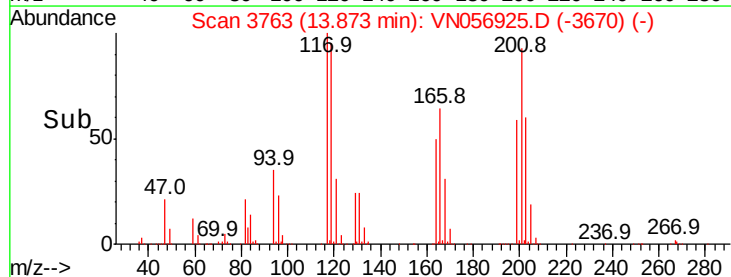
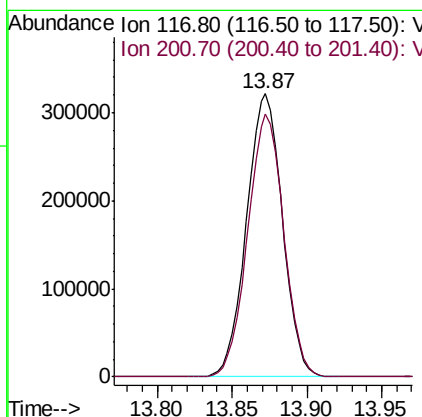
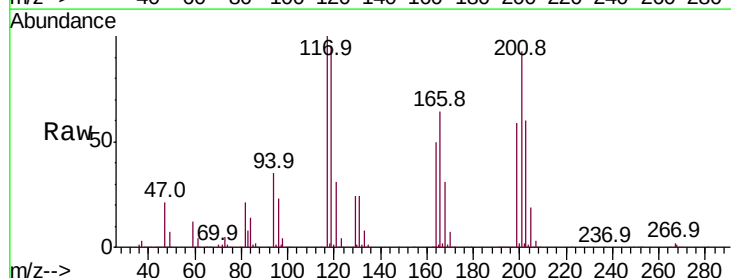
Manual Integrations
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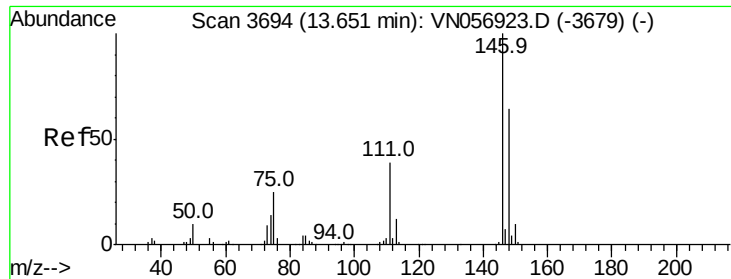
MMDadoda
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#90
Hexachloroethane
Concen: 136.095 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion: 117 Resp: 536087
Ion Ratio Lower Upper
117 100
201 93.1 47.3 142.0





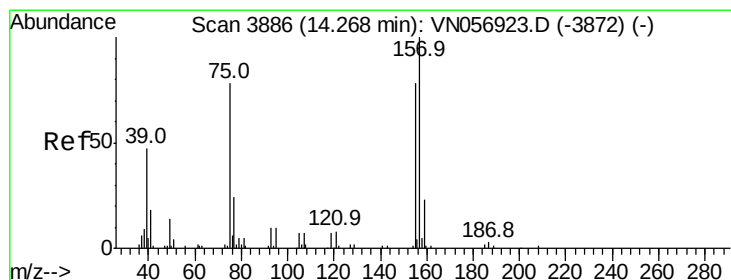
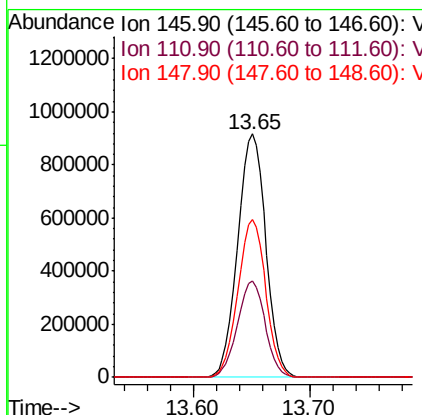
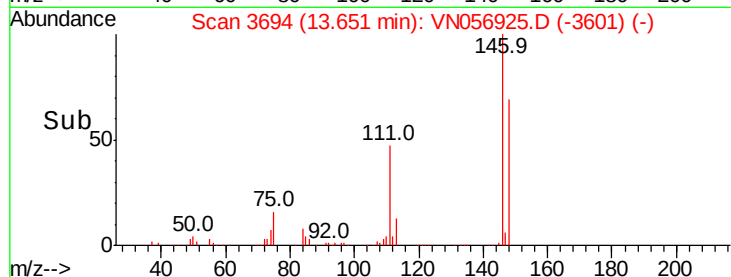
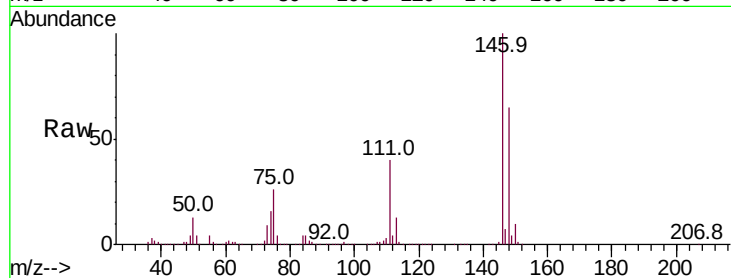
#91
 1,2-Dichlorobenzene
 Concen: 140.011 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	64.0	32.2	96.6

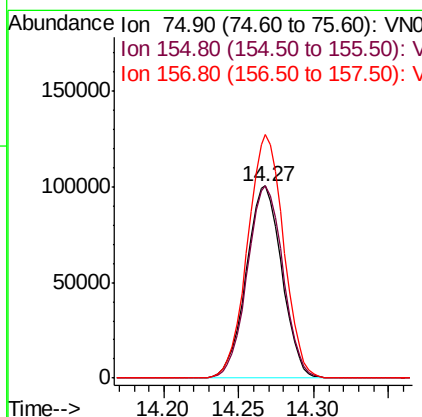
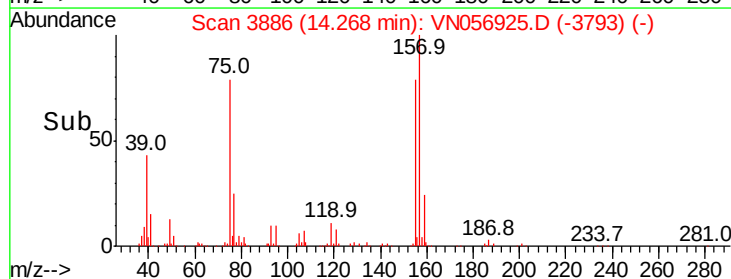
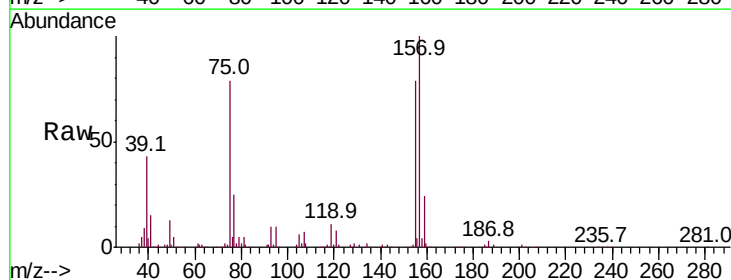
Manual Integrations
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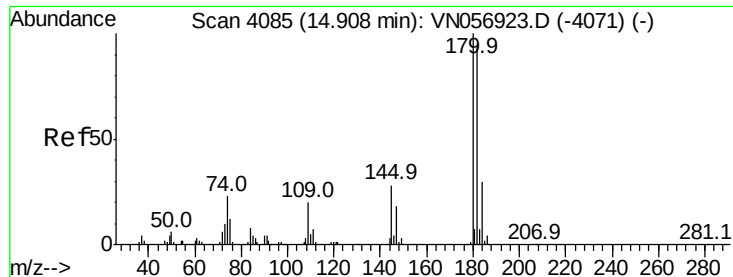
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 140.257 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	47.3	141.9
157	127.7	63.0	189.0





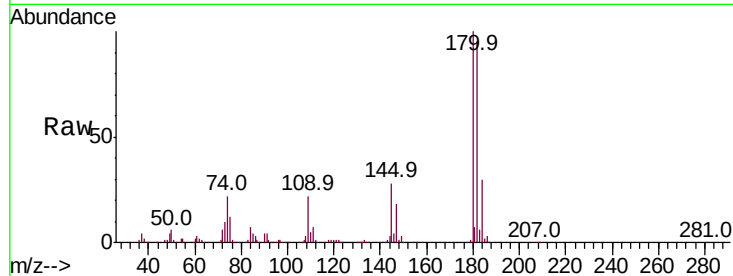
#93
 1,2,4-Trichlorobenzene
 Concen: 195.949 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

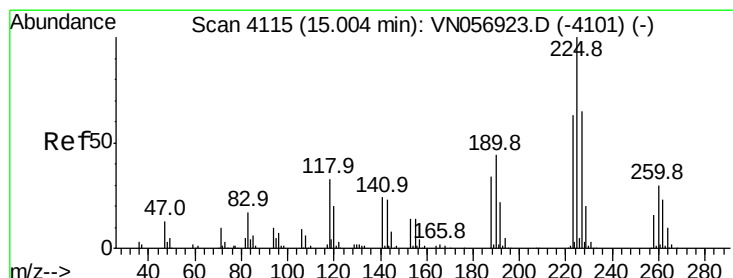
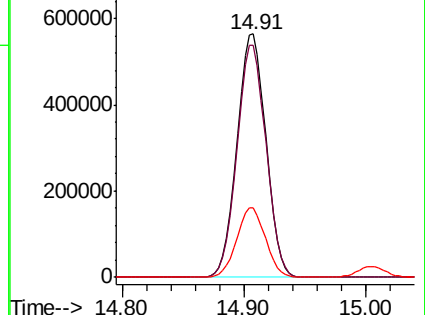
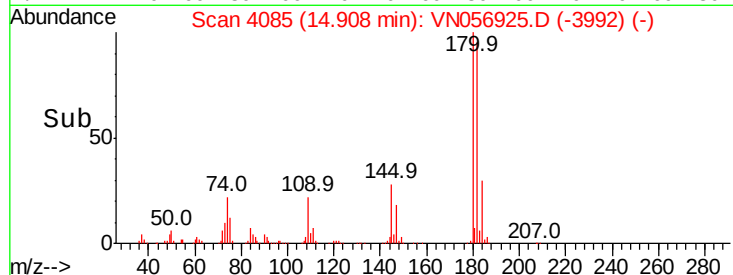
Tot Ion:	180	Resp:	925506
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.8
145	28.3	14.1	42.4

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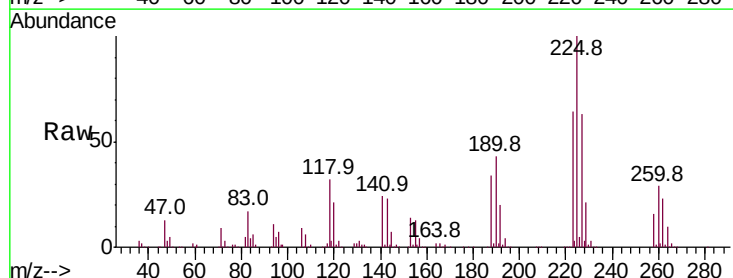


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

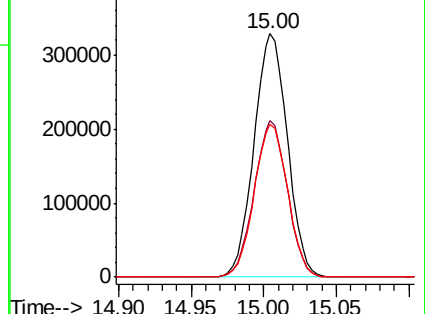
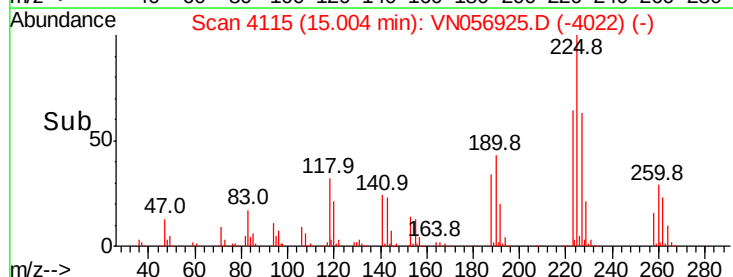


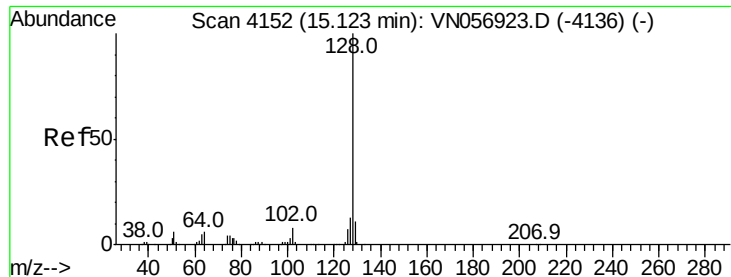
#94
 Hexachlorobutadiene
 Concen: 122.373 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056925.D
 Acq: 25 Jul 2019 16:12

Tgt Ion:	225	Resp:	528424
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.3	93.9
227	63.0	31.9	95.7



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





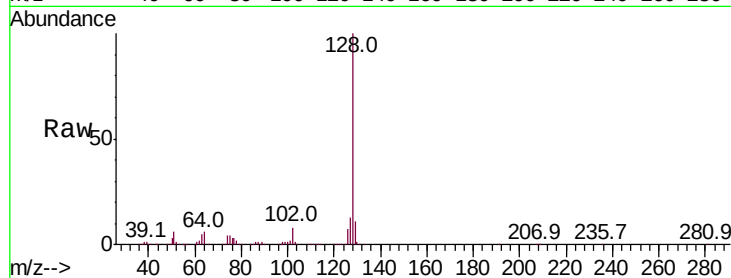
#95
Naphthalene
Concen: 194.714 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

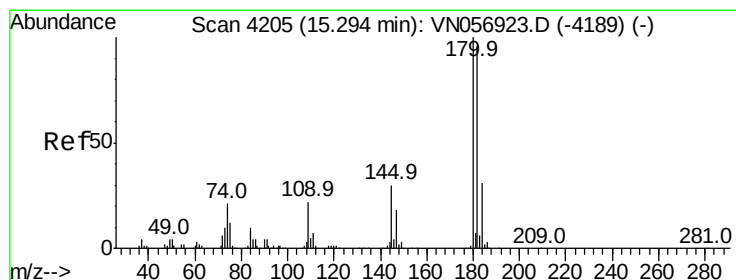
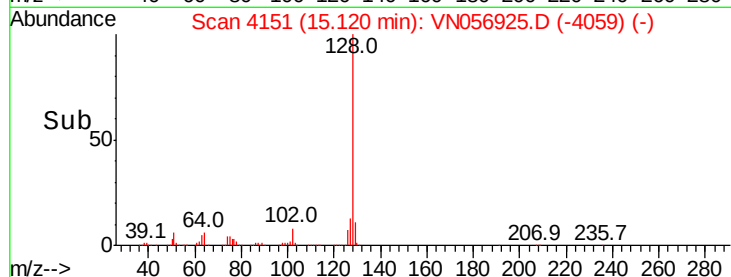
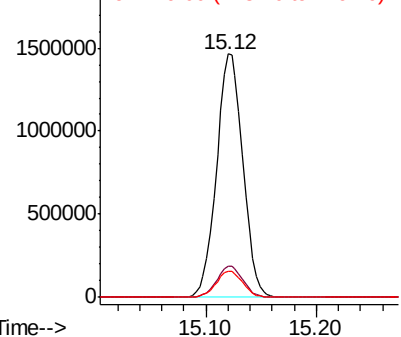
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	13.0

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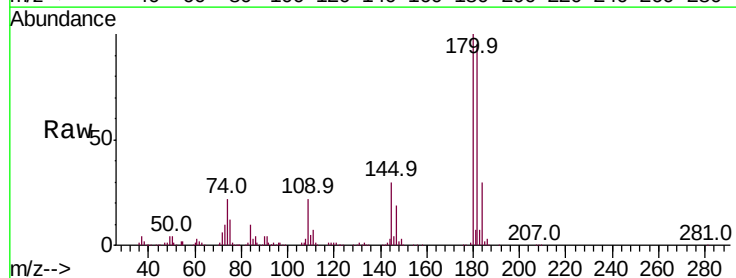


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 179.870 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN056925.D
Acq: 25 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.3
145	30.5	15.1	45.3



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

