

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056926.D
 Acq On : 25 Jul 2019 16:35
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:08 PM

Quant Time: Jul 26 04:28:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:10:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	501605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	755716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	247759	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.46%	
35) Dibromofluoromethane	7.57	113	230537	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
50) Toluene-d8	10.08	98	875608	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.39	95	288480	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	278973	47.418	ug/l	100
3) Chloromethane	2.05	50	308950	47.789	ug/l	99
4) Vinyl Chloride	2.17	62	294176	48.325	ug/l	98
5) Bromomethane	2.54	94	194937	52.942	ug/l	100
6) Chloroethane	2.68	64	161610	47.827	ug/l	98
7) Trichlorofluoromethane	3.00	101	374110	47.153	ug/l	98
8) Diethyl Ether	3.39	74	146615	49.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	229782	47.134	ug/l	100
10) Methyl Iodide	3.93	142	317251	44.289	ug/l	99
11) Tert butyl alcohol	4.77	59	177282	236.761	ug/l	100
12) 1,1-Dichloroethene	3.72	96	227658	48.364	ug/l	99
13) Acrolein	3.59	56	101467	241.807	ug/l	97
14) Allyl chloride	4.30	41	373420	48.892	ug/l	98
15) Acrylonitrile	4.96	53	544400	252.644	ug/l	99
16) Acetone	3.80	43	453189	255.677	ug/l	99
17) Carbon Disulfide	4.03	76	606852	47.865	ug/l	99
18) Methyl Acetate	4.30	43	287042	46.256	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	691479	49.957	ug/l	98
20) Methylene Chloride	4.53	84	254957	45.422	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	242227	48.088	ug/l	98
22) Diisopropyl ether	5.93	45	760819	48.914	ug/l	98
23) Vinyl Acetate	5.87	43	2760541	257.647	ug/l	100
24) 1,1-Dichloroethane	5.83	63	437369	47.861	ug/l	100
25) 2-Butanone	6.82	43	680299	249.341	ug/l	100
26) 2,2-Dichloropropane	6.80	77	332702	49.609	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	283365	49.297	ug/l	98
28) Bromochloromethane	7.18	49	208176	49.363	ug/l	99
29) Tetrahydrofuran	7.20	42	451439	252.510	ug/l	100
30) Chloroform	7.36	83	433886	46.103	ug/l	99
31) Cyclohexane	7.64	56	413087	46.452	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	367582	48.770	ug/l	98
36) 1,1-Dichloropropene	7.78	75	329743	47.725	ug/l	99
37) Ethyl Acetate	6.91	43	276558	49.397	ug/l	99
38) Carbon Tetrachloride	7.76	117	311553	47.407	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	414859	49.267	ug/l	99
40) Benzene	8.03	78	1011287	46.939	ug/l	99
41) Methacrylonitrile	7.15	41	112068	45.514	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	313055	47.044	ug/l	99
43) Isopropyl Acetate	8.15	43	453456	49.229	ug/l	99
44) Trichloroethene	8.82	130	279049	47.476	ug/l	99
45) 1,2-Dichloropropane	9.11	63	269843	46.604	ug/l	99
46) Dibromomethane	9.20	93	168758	48.347	ug/l	99
47) Bromodichloromethane	9.39	83	329882	48.395	ug/l	100
48) Methyl methacrylate	9.19	41	223650	50.580	ug/l	99
49) 1,4-Dioxane	9.19	88	91021	983.079	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1371427	250.421	ug/l	100
52) Toluene	10.15	92	630862	48.821	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	352351	51.272	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	403342	49.854	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	243343	46.989	ug/l	99
56) Ethyl methacrylate	10.42	69	364187	52.305	ug/l	99
57) 1,3-Dichloropropane	10.70	76	410820	48.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	716192	228.215	ug/l	100
59) 2-Hexanone	10.74	43	969096	258.115	ug/l	98
60) Dibromochloromethane	10.89	129	261162	49.636	ug/l	100
61) 1,2-Dibromoethane	11.00	107	252942	49.207	ug/l	98
64) Tetrachloroethene	10.62	164	272004	44.539	ug/l	97
65) Chlorobenzene	11.43	112	679531	48.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	254317	48.887	ug/l	99
67) Ethyl Benzene	11.50	91	1187239	49.297	ug/l	99
68) m/p-Xylenes	11.62	106	885815	98.637	ug/l	98
69) o-Xylene	11.94	106	431830	49.140	ug/l	99
70) Styrene	11.96	104	725867	47.369	ug/l	99
71) Bromoform	12.12	173	182346	50.466	ug/l	100
73) Isopropylbenzene	12.24	105	1160727	51.558	ug/l	100
74) N-amyl acetate	12.06	43	374746	49.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	320472	52.204	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	249362m	44.918	ug/l	
77) Bromobenzene	12.52	156	300505	45.347	ug/l	100
78) n-propylbenzene	12.59	91	1282417	46.822	ug/l	99
79) 2-Chlorotoluene	12.67	91	762726	51.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	976152	45.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	94082	52.012	ug/l	98
82) 4-Chlorotoluene	12.77	91	751490	47.970	ug/l	99
83) tert-Butylbenzene	12.99	119	841003	51.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	964073	47.540	ug/l	100
85) sec-Butylbenzene	13.17	105	1100890	46.140	ug/l	100
86) p-Isopropyltoluene	13.28	119	1007142	47.769	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	494870	49.910	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	469732	49.474	ug/l	99
89) n-Butylbenzene	13.61	91	820148	50.364	ug/l	99
90) Hexachloroethane	13.87	117	165218	49.713	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	490543	48.843	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	52085	51.076	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jul 26 04:10:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	257104	49.210	ug/l	100
94) Hexachlorobutadiene	15.00	225	177528	52.280	ug/l	100
95) Naphthalene	15.12	128	665779	49.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	276652	50.743	ug/l	98

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

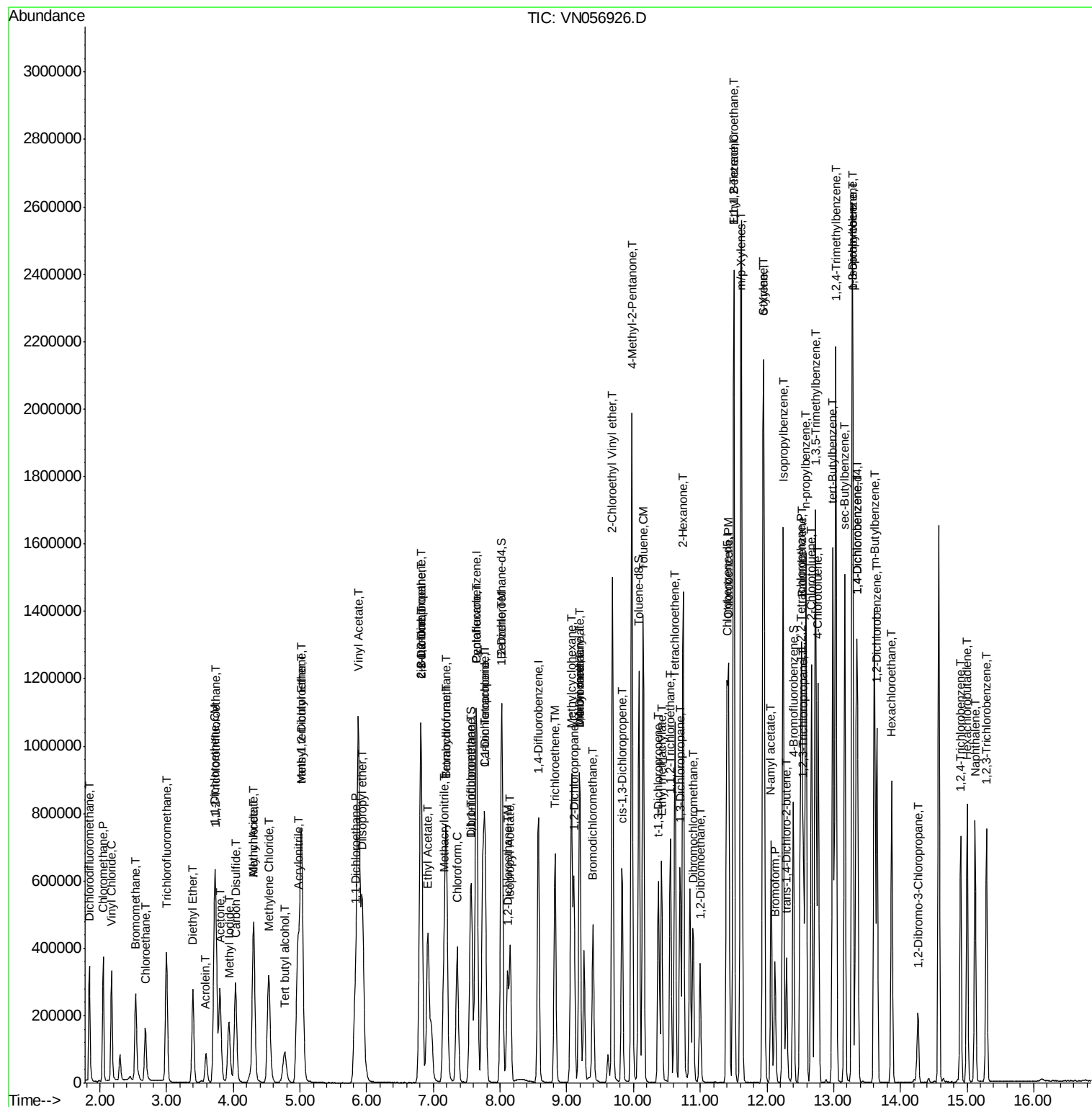
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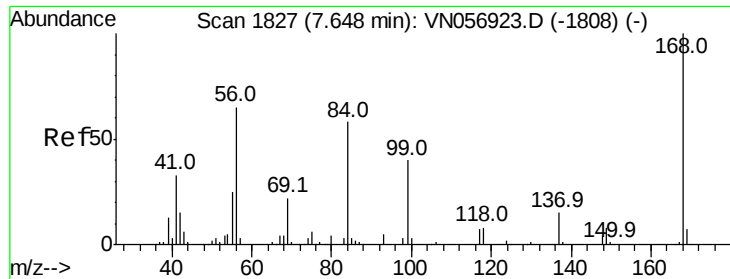
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion:168 Resp: 501605

Ion Ratio Lower Upper

168 100

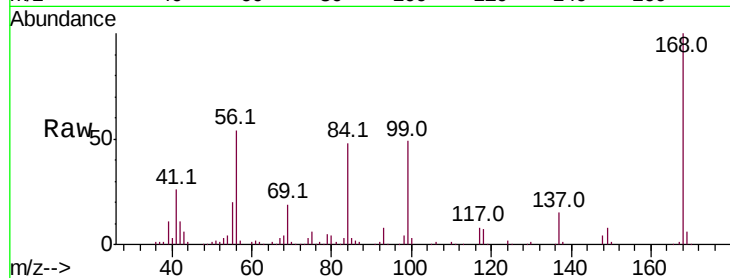
99 48.8 38.6 58.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

100000

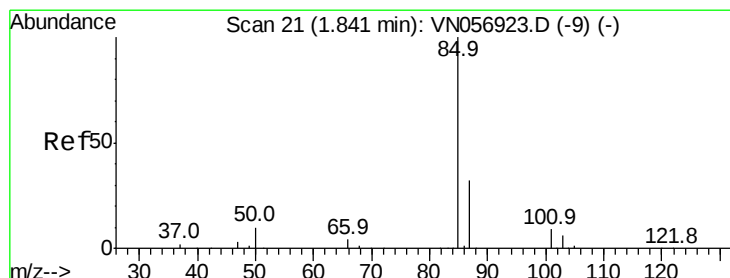
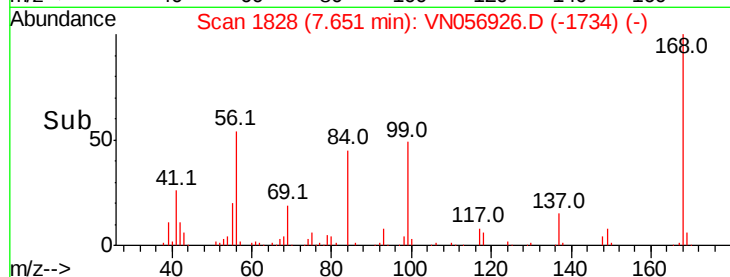
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.418 ug/l

RT: 1.84 min Scan# 21

Delta R.T. 0.00 min

Lab File: VN056926.D

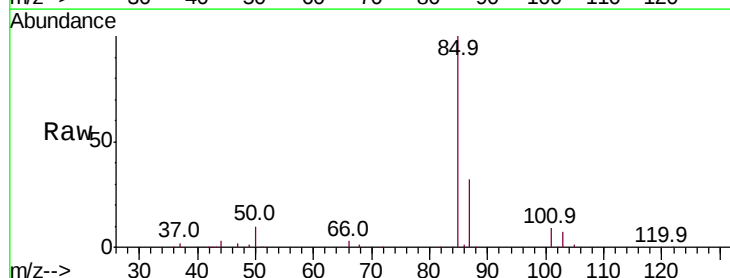
Acq: 25 Jul 2019 16:35

Tgt Ion: 85 Resp: 278973

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

200000

150000

100000

50000

0

1.75

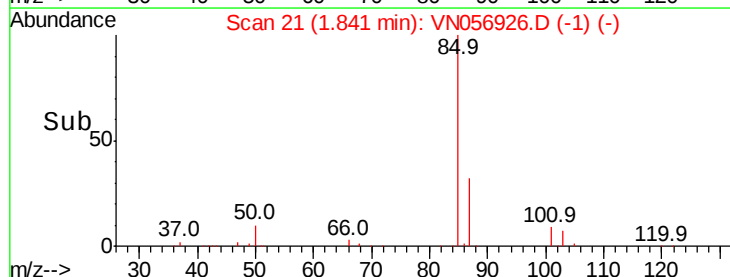
1.80

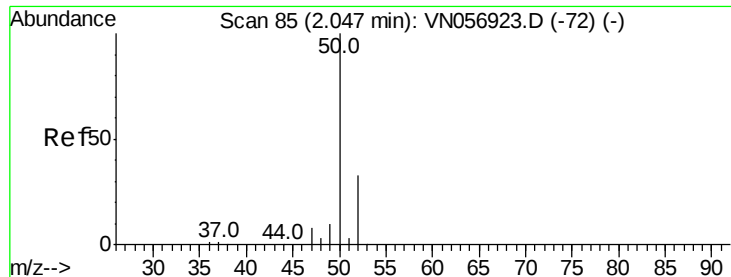
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 47.789 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 50 Resp: 308950

Ion Ratio Lower Upper

50 100

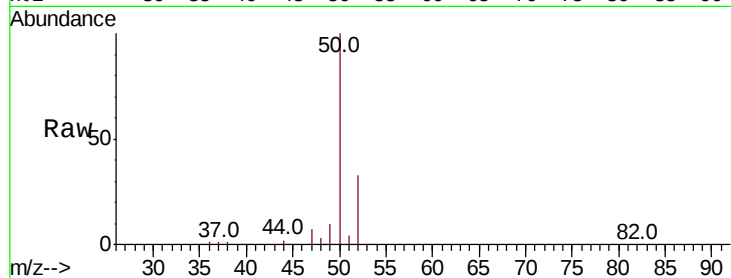
52 32.8 26.8 40.2

Manual Integrations

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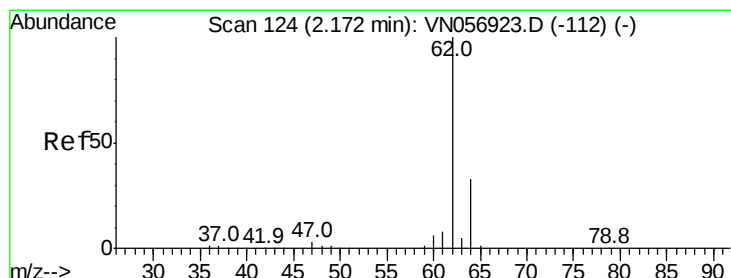
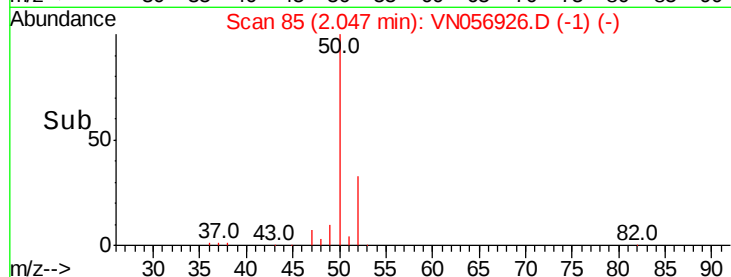
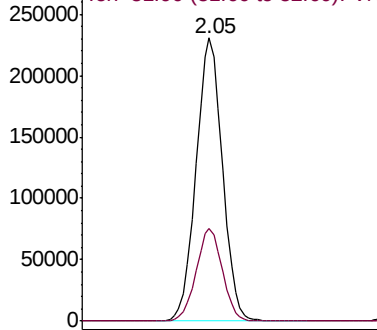
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.325 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN056926.D

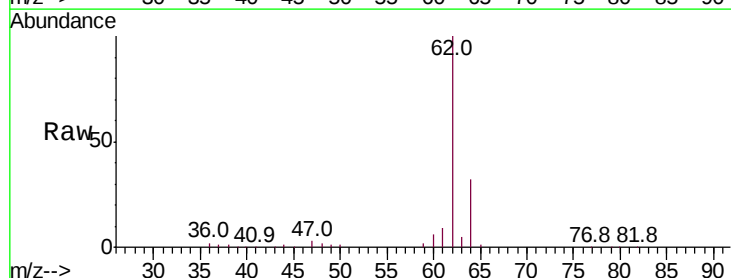
Acq: 25 Jul 2019 16:35

Tgt Ion: 62 Resp: 294176

Ion Ratio Lower Upper

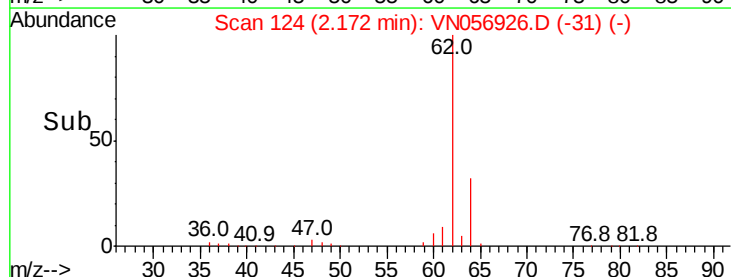
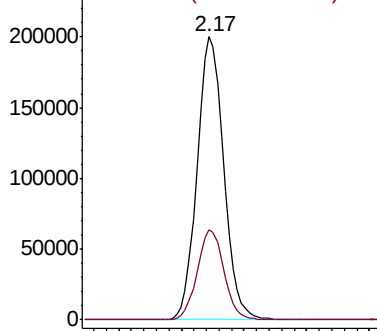
62 100

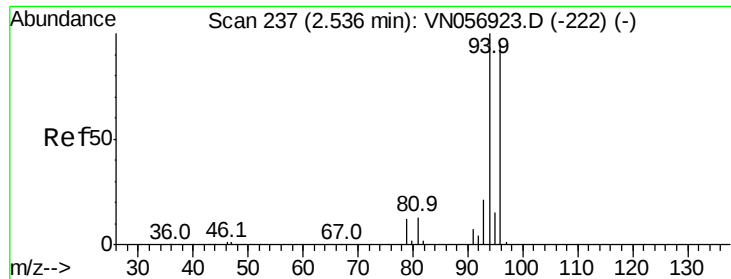
64 31.8 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 52.942 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

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Acq: 25 Jul 2019 16:35

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ICVVN072619

Tot Ion: 94 Resp: 194937

Ion Ratio Lower Upper

94 100

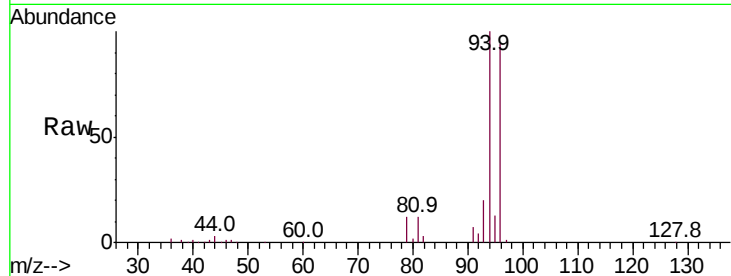
96 94.2 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

100000

80000

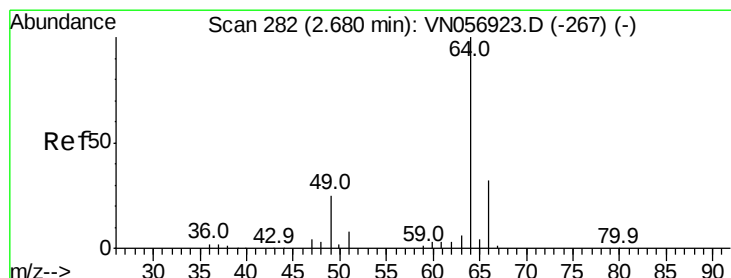
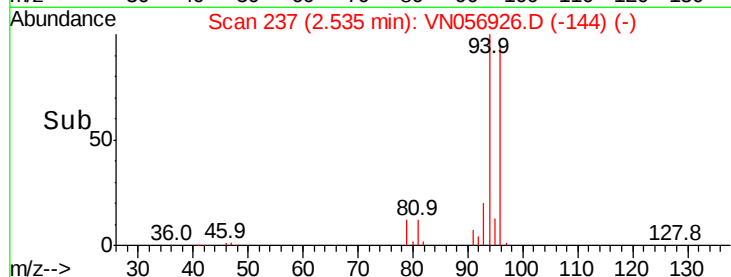
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.827 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN056926.D

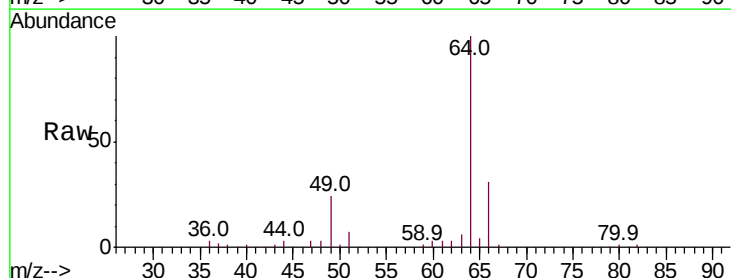
Acq: 25 Jul 2019 16:35

Tgt Ion: 64 Resp: 161610

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

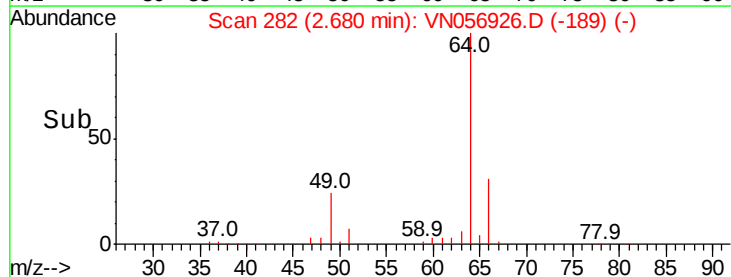
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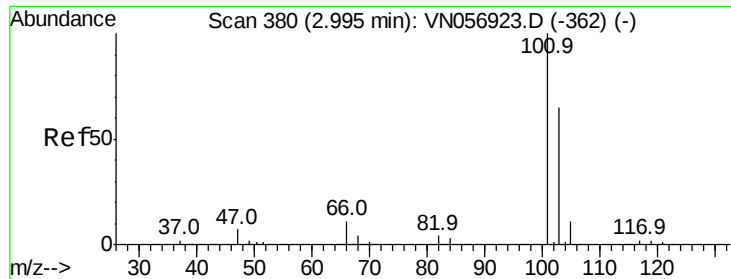
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20000

0

Time-->





#7

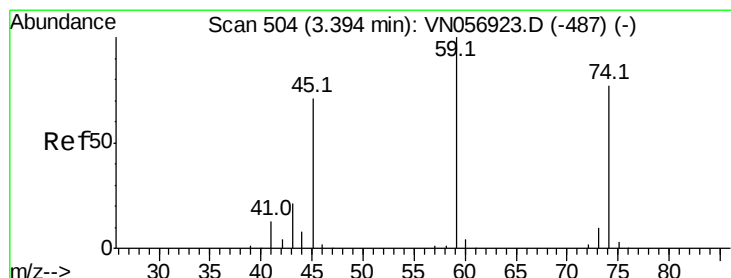
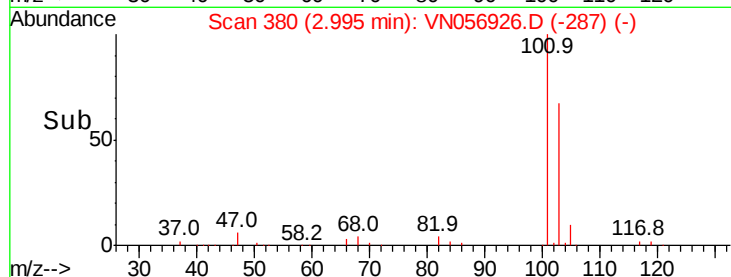
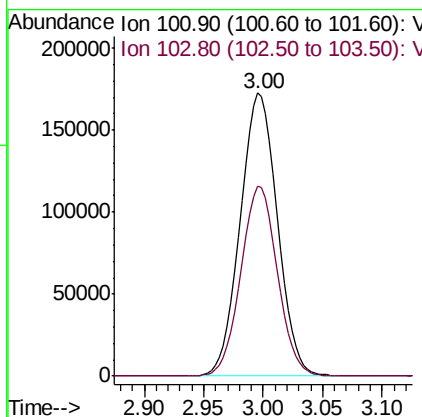
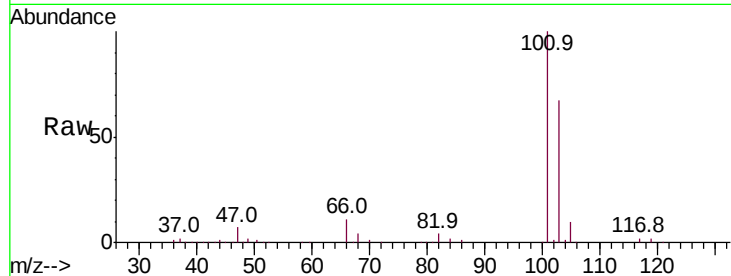
Trichlorofluoromethane
Concen: 47.153 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.0	78.0

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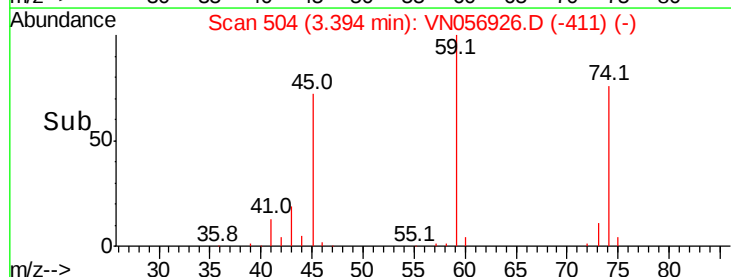
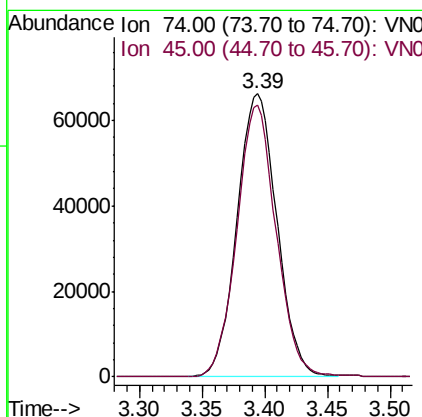
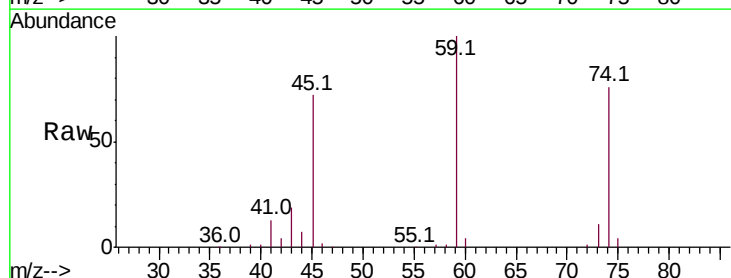
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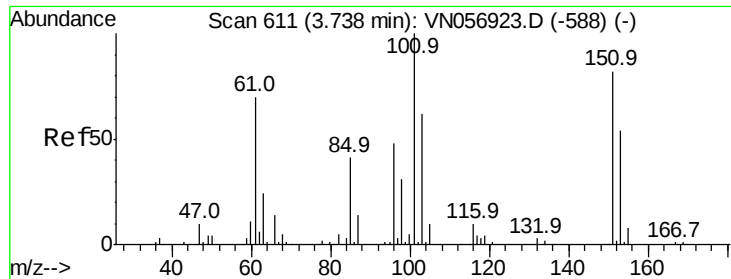


#8

Diethyl Ether
Concen: 49.345 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN056926.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.1	144.4





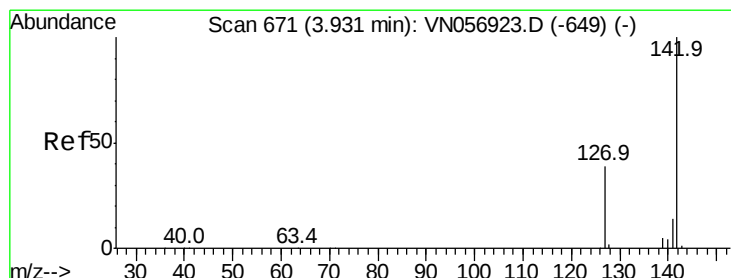
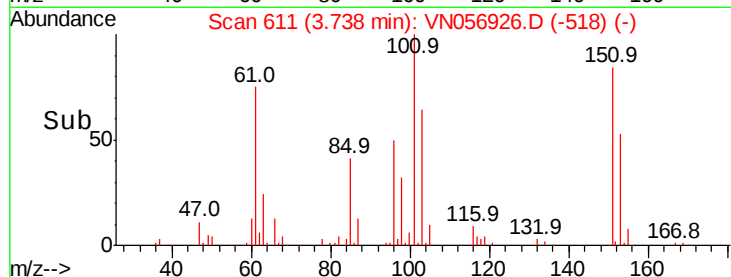
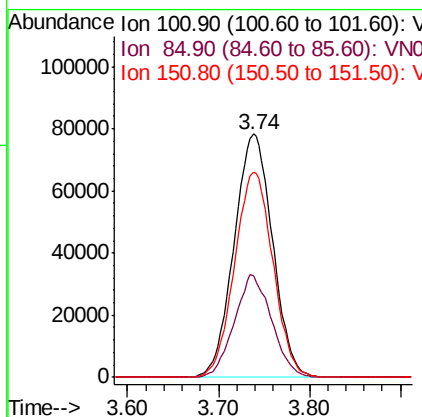
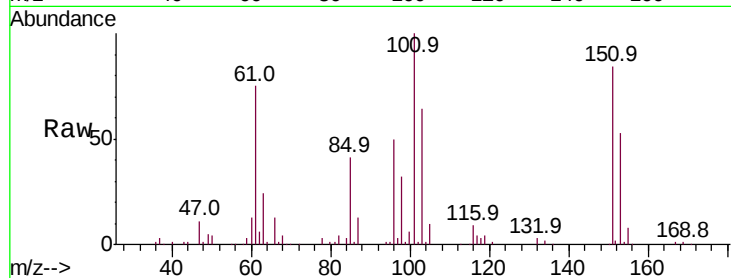
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.134 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion:101 Resp: 229782
Ion Ratio Lower Upper
101 100
85 40.8 32.7 49.1
151 84.2 67.4 101.0

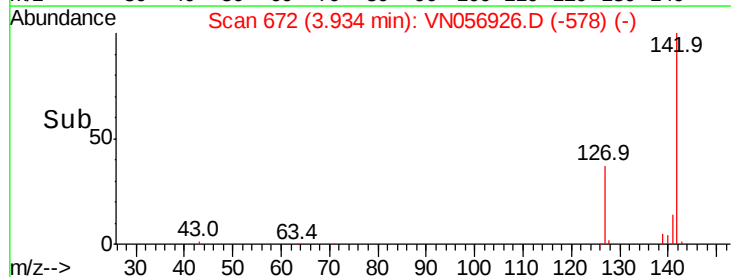
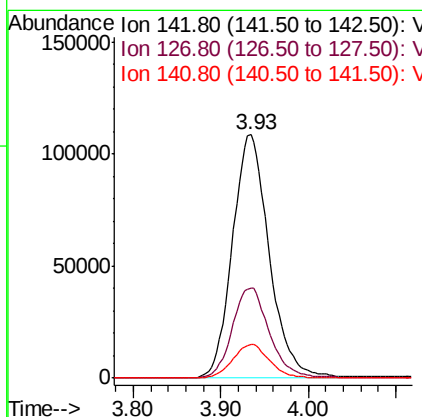
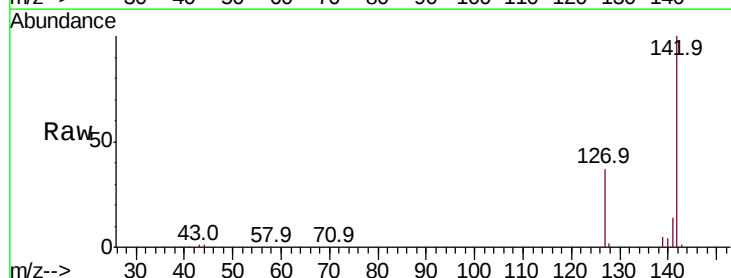
Manual Integrations
APPROVED

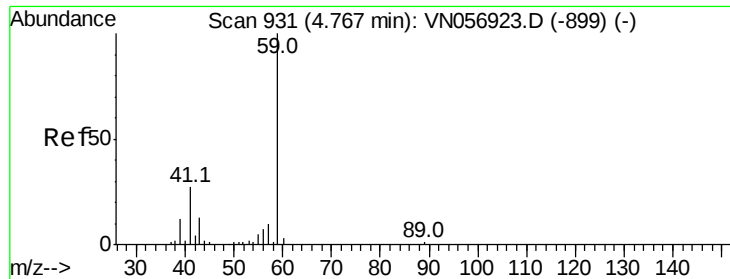
MMDadoda
7/26/2019 3:37:08 PM



#10
Methyl Iodide
Concen: 44.289 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion:142 Resp: 317251
Ion Ratio Lower Upper
142 100
127 37.5 30.5 45.7
141 13.9 11.1 16.7





#11

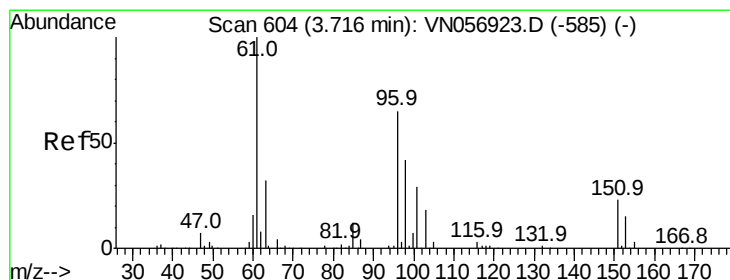
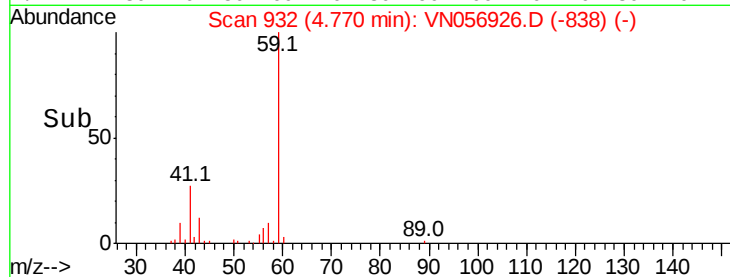
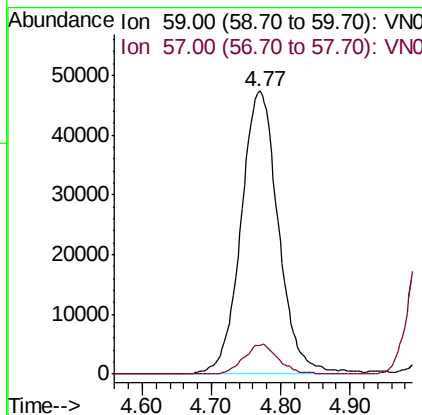
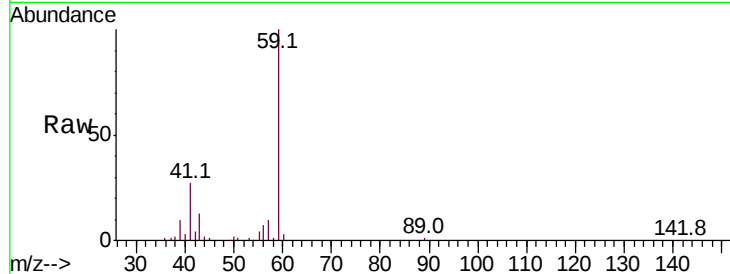
Tert butyl alcohol
 Concen: 236.761 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	59	Resp	177282
Ion Ratio	100	Lower	Upper
57	9.6	7.6	11.4

Manual Integrations
 APPROVED

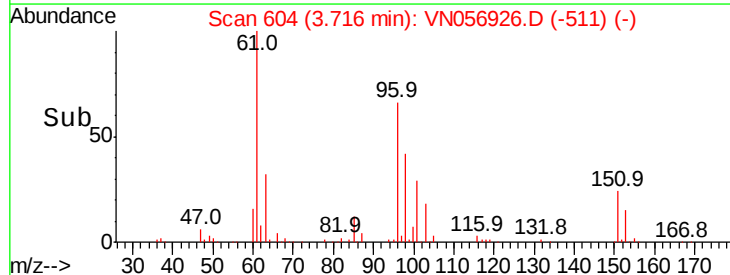
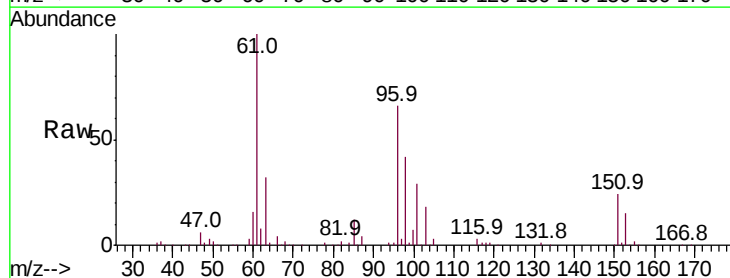
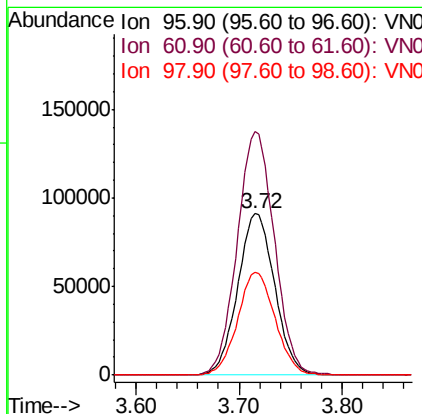
MMDadoda
 7/26/2019 3:37:08 PM

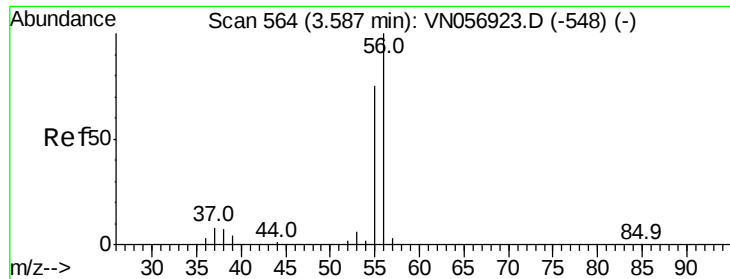


#12

1,1-Dichloroethene
 Concen: 48.364 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	96	Resp	227658
Ion Ratio	100	Lower	Upper
61	150.9	122.4	183.6
98	63.4	51.3	76.9





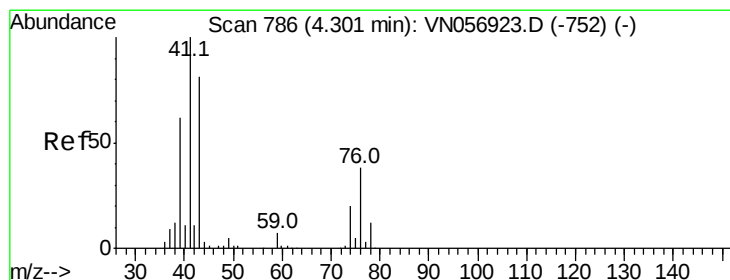
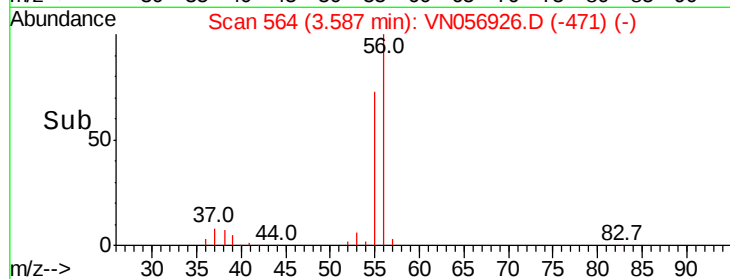
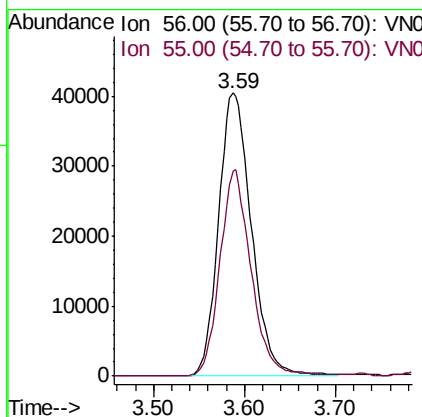
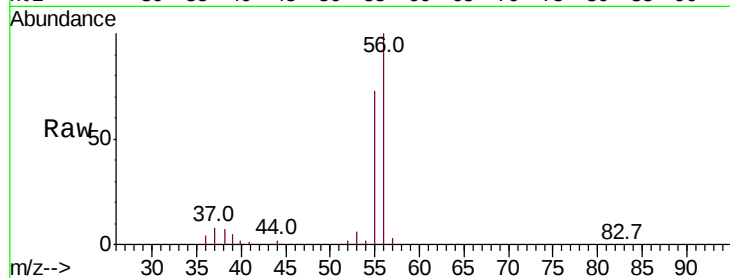
#13
Acrolein
Concen: 241.807 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.5	86.3

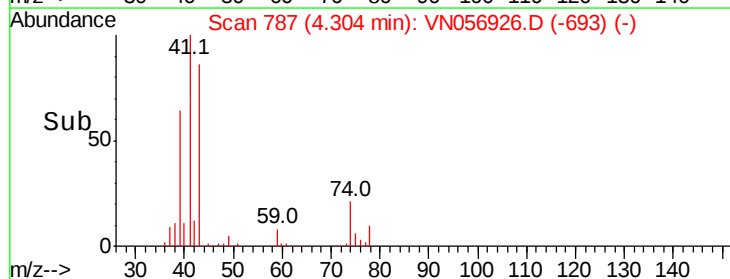
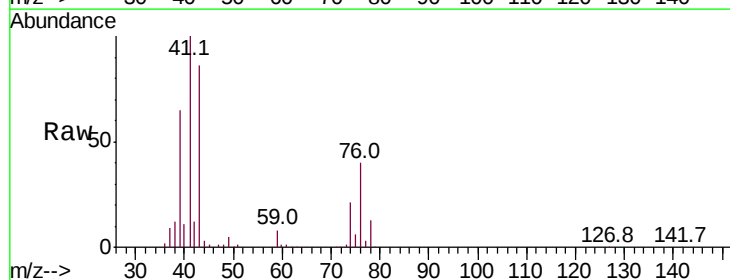
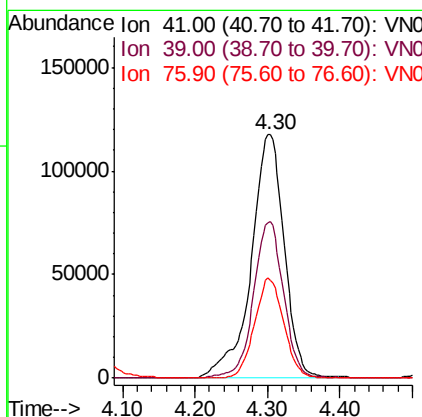
Manual Integrations
APPROVED

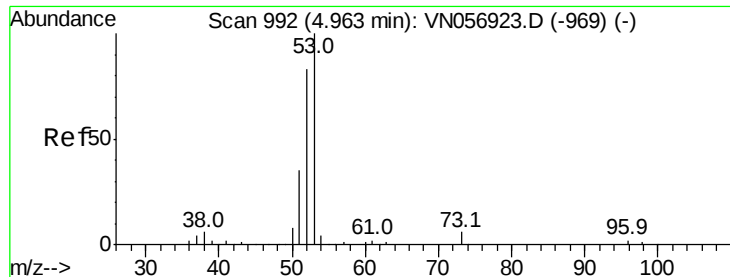
MMDadoda
7/26/2019 3:37:08 PM



#14
Allyl chloride
Concen: 48.892 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	47.5	71.3
76	36.3	28.0	42.0





#15

Acrylonitrile

Concen: 252.644 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

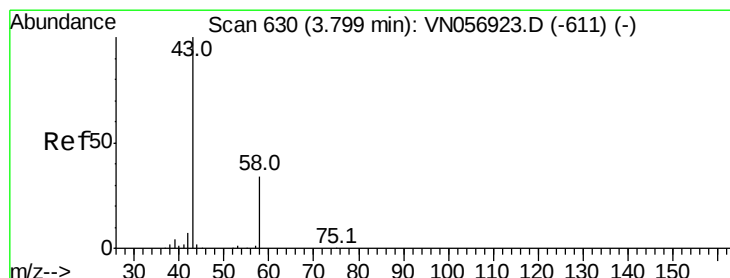
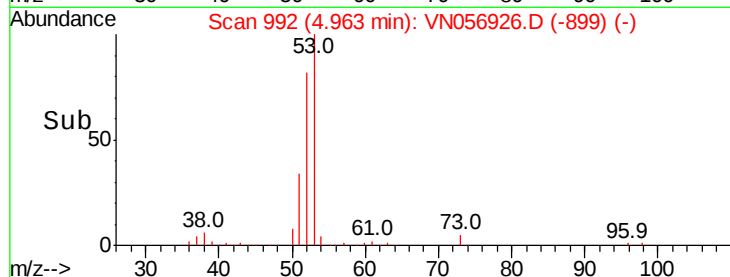
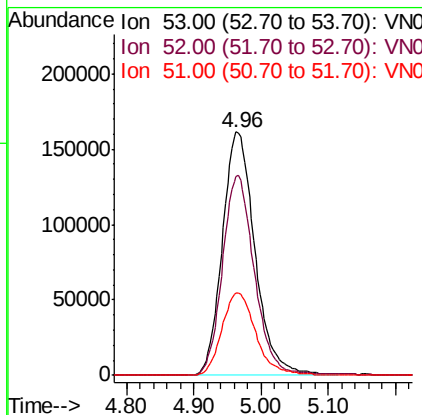
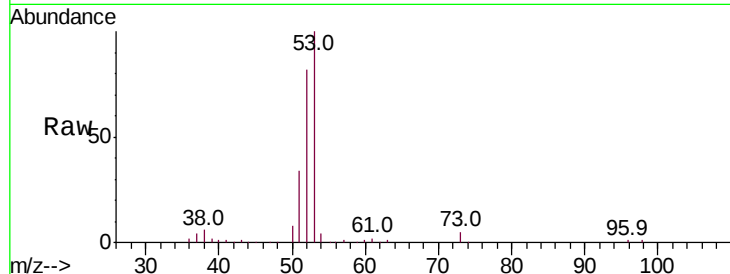
ClientSampleId :

ICVVN072619

Tot Ion:	53	Resp:	544400
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.5	98.3
51	35.2	28.1	42.1

Manual Integrations
APPROVED

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#16

Acetone

Concen: 255.677 ug/l

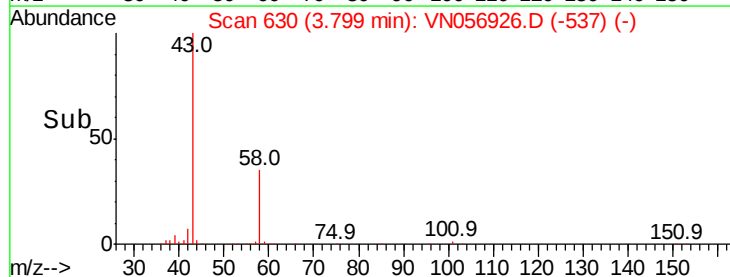
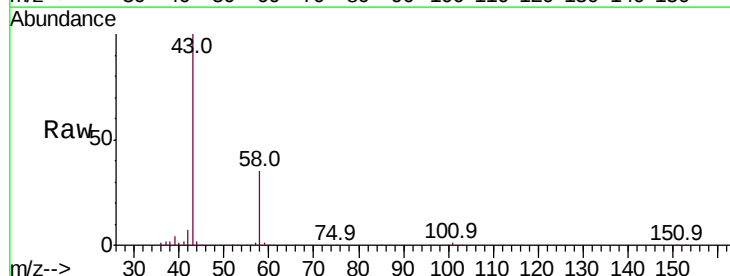
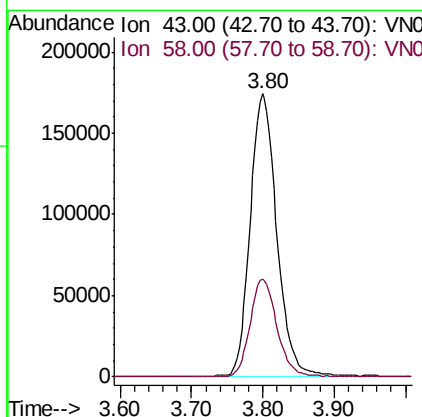
RT: 3.80 min Scan# 630

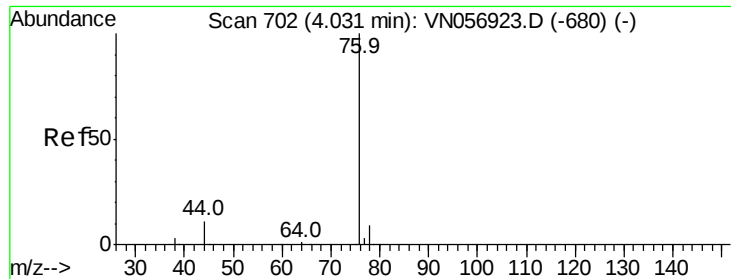
Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion:	43	Resp:	453189
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.3	40.9





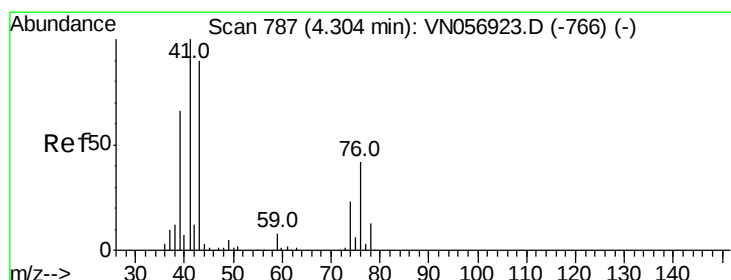
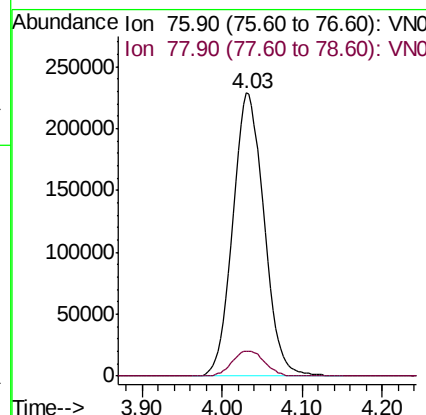
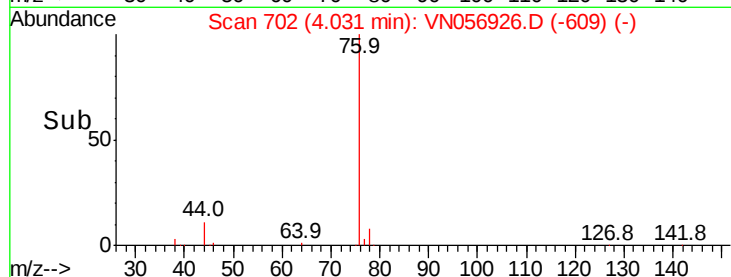
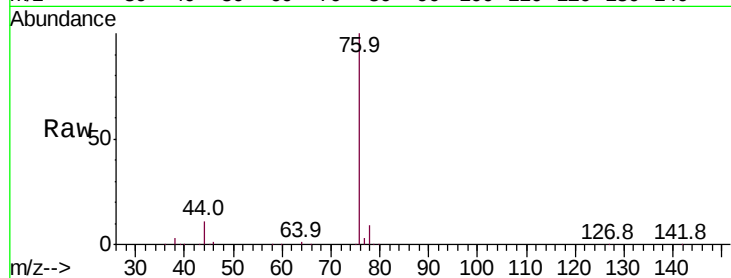
#17
Carbon Disulfide
Concen: 47.865 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

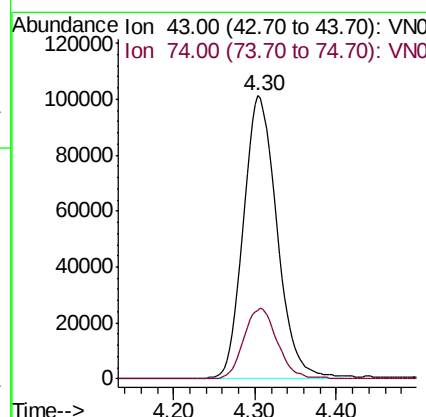
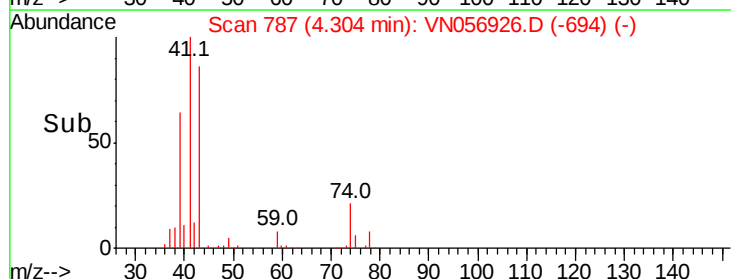
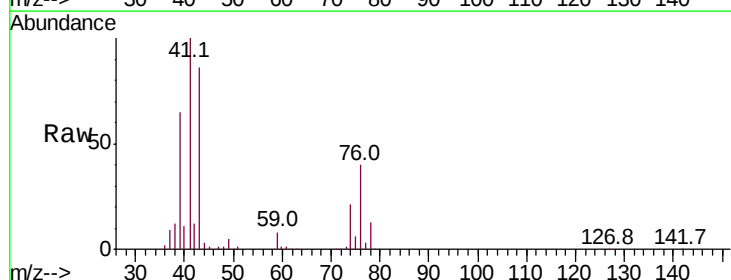
Manual Integrations
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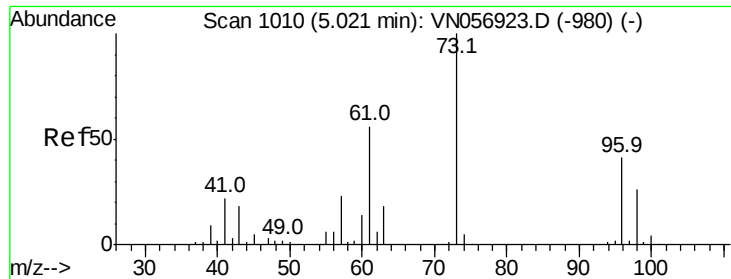
MMDadoda
7/26/2019 3:37:08 PM



#18
Methyl Acetate
Concen: 46.256 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.4	29.0





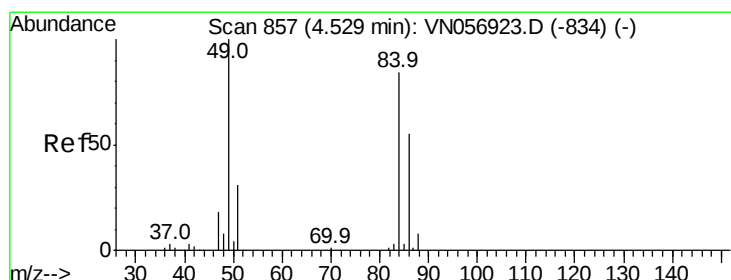
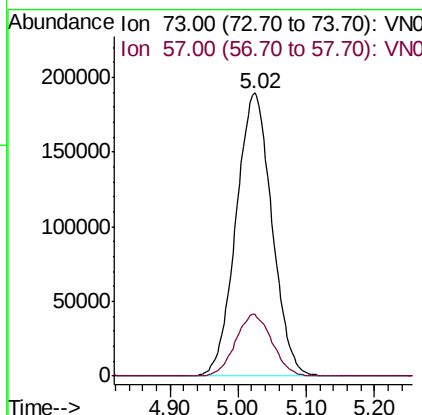
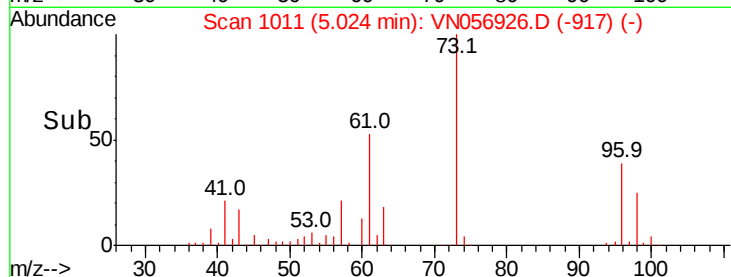
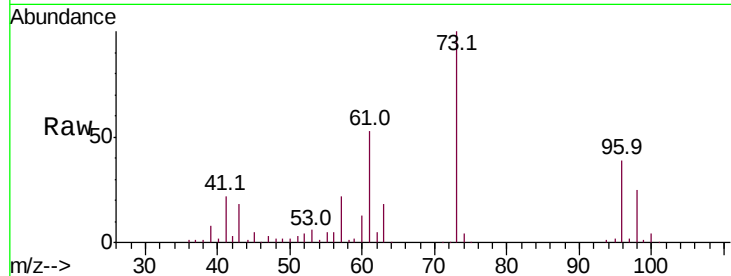
#19
Methvl tert-butvl Ether
Concen: 49.957 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion: 73 Resp: 691479
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.4

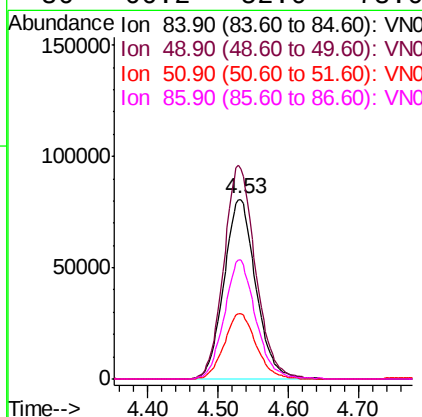
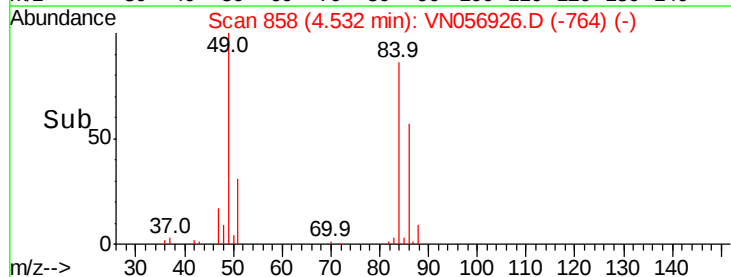
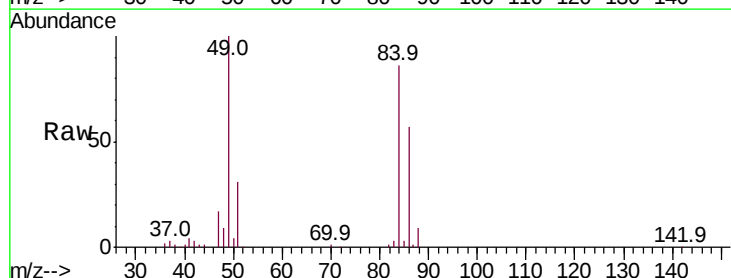
Manual Integrations
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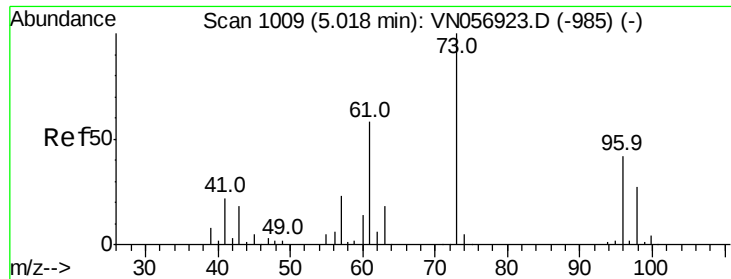
MMDadoda
7/26/2019 3:37:08 PM



#20
Methylene Chloride
Concen: 45.422 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion: 84 Resp: 254957
Ion Ratio Lower Upper
84 100
49 116.7 95.0 142.6
51 36.5 29.8 44.8
86 66.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 48.088 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 96 Resp: 242227

Ion Ratio Lower Upper

96 100

61 135.0 109.9 164.9

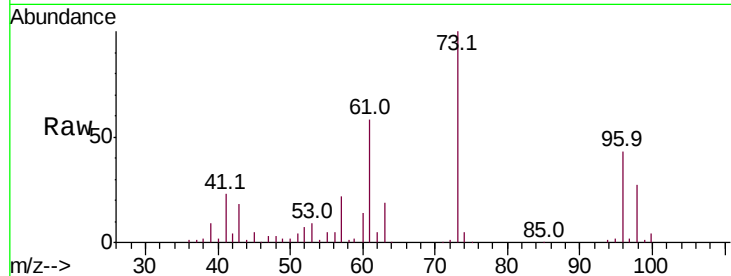
98 62.8 51.0 76.4

Manual Integrations

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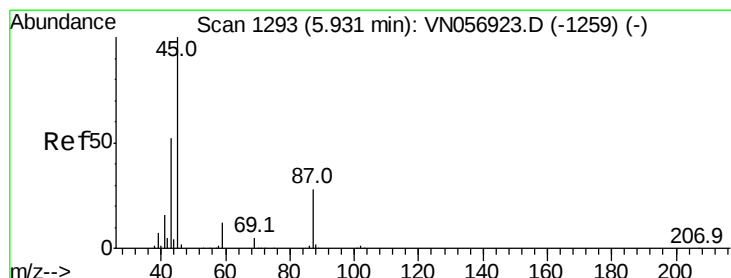
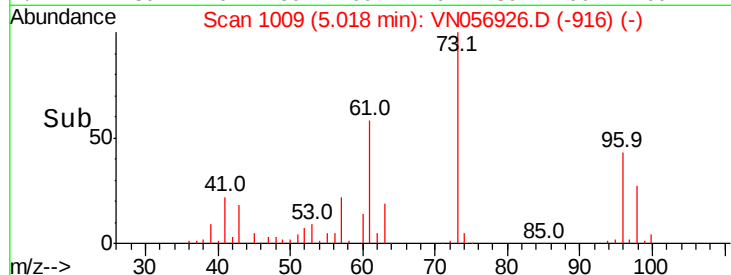
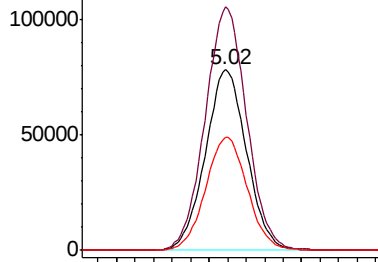


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 48.914 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion: 45 Resp: 760819

Ion Ratio Lower Upper

45 100

43 54.2 44.7 67.1

87 28.7 23.1 34.7

59 11.8 9.7 14.5

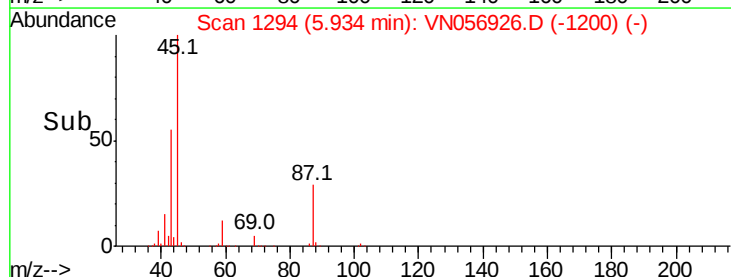
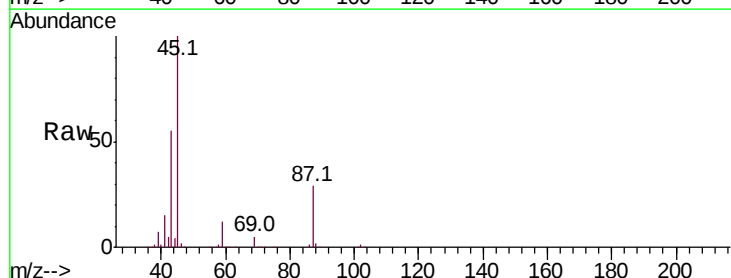
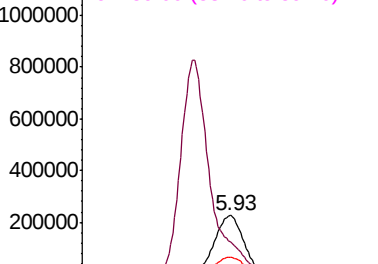
Abundance

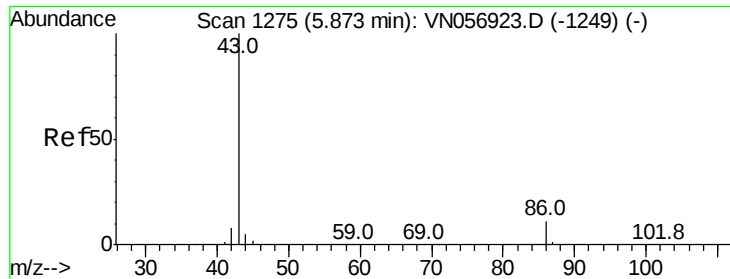
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 257.647 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion: 43 Resp: 2760541

Ion Ratio Lower Upper

43 100

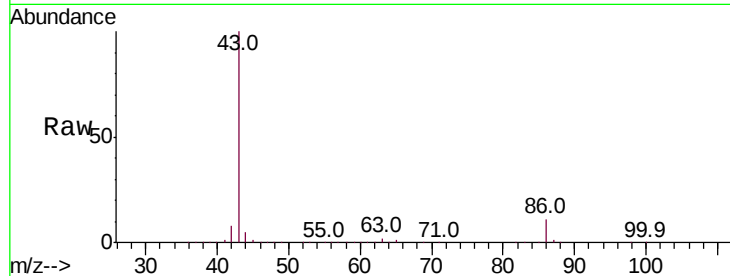
86 10.8 8.6 13.0

Manual Integrations

APPROVED

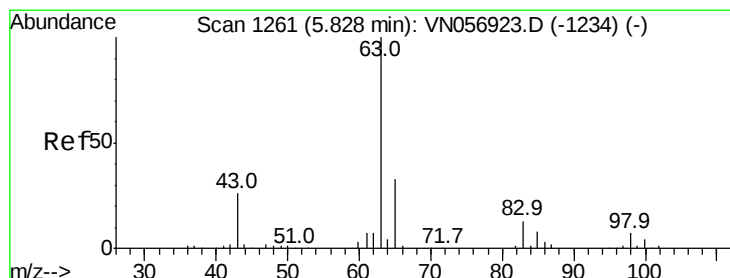
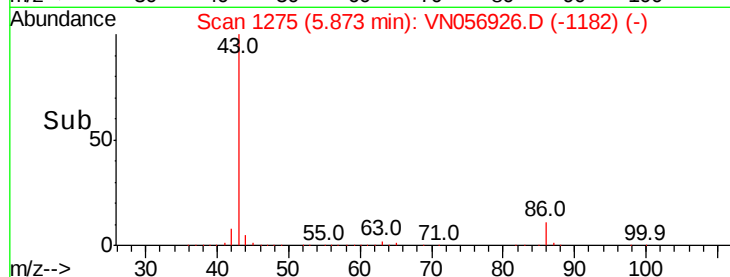
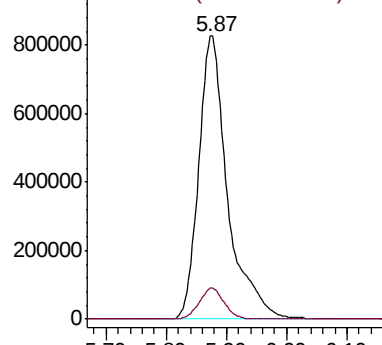
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.861 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

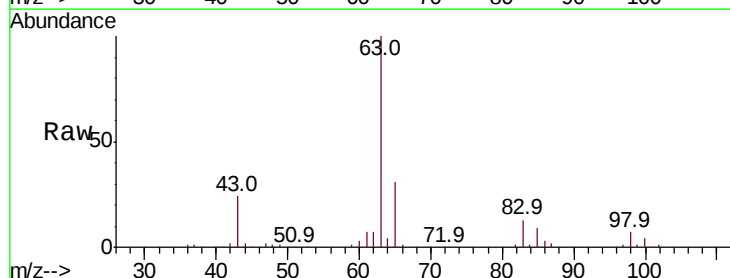
Tgt Ion: 63 Resp: 437369

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

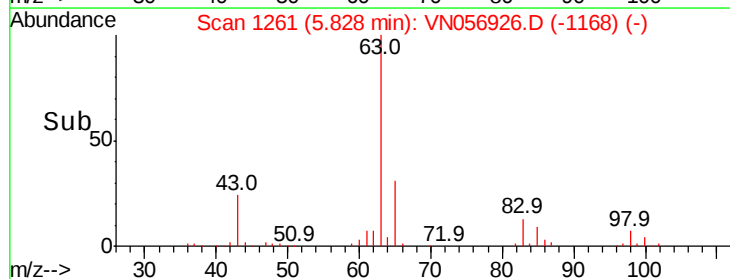
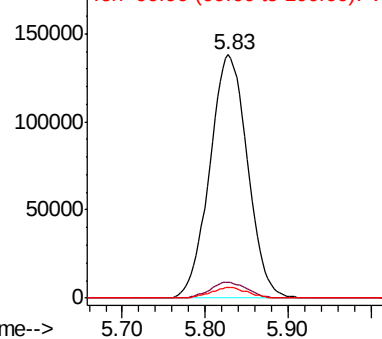
100 4.4 2.1 6.3

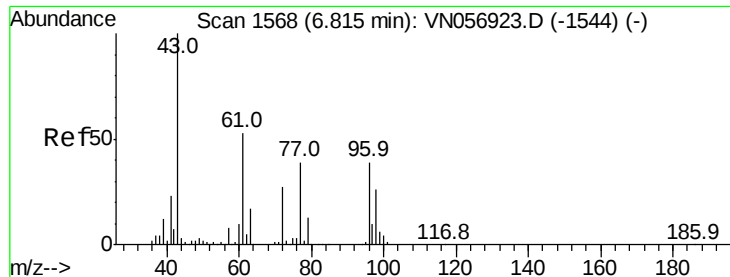


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 249.341 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 43 Resp: 680299

Ion Ratio Lower Upper

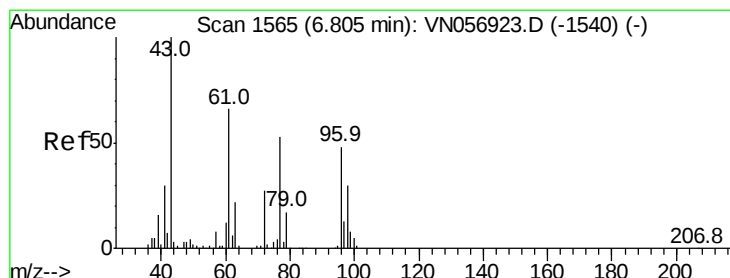
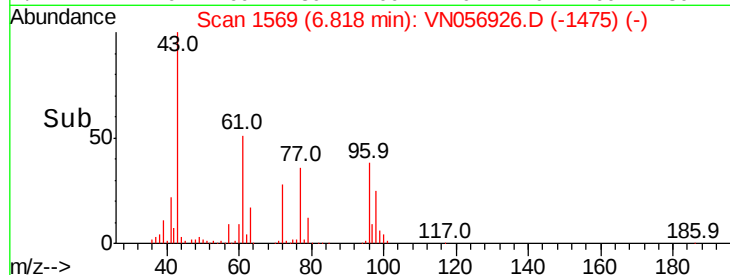
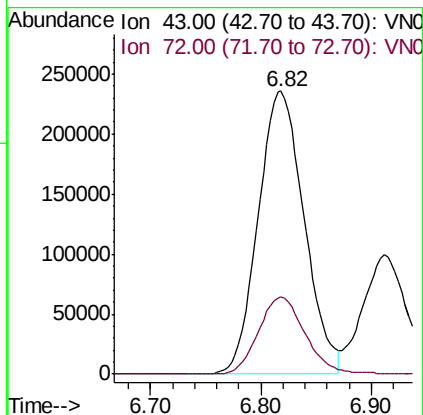
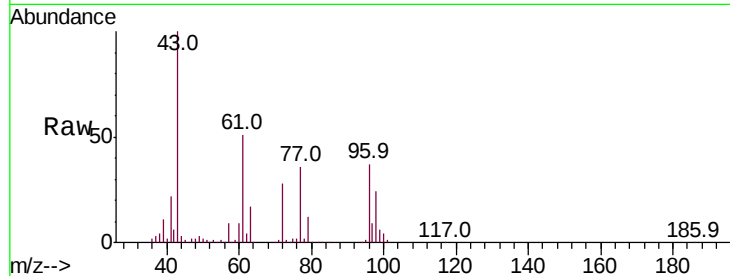
43 100

72 27.5 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 49.609 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056926.D

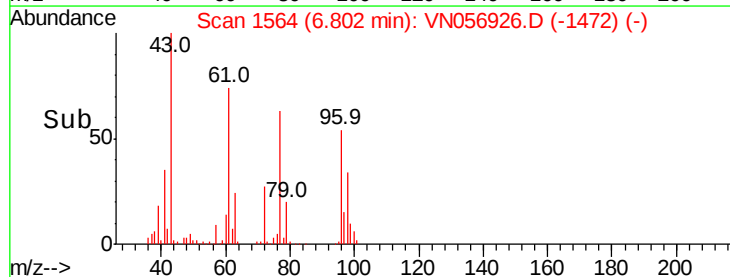
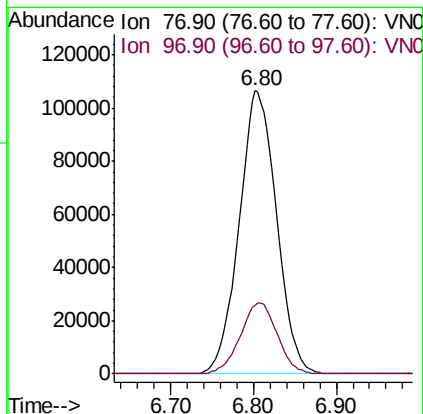
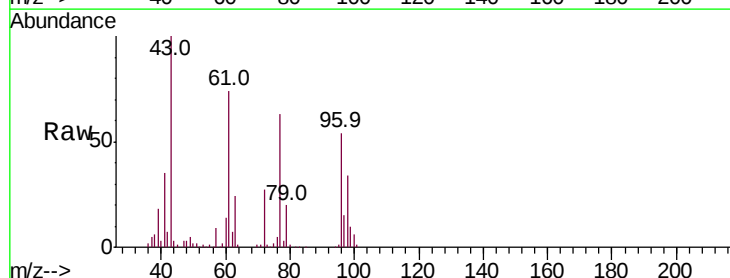
Acq: 25 Jul 2019 16:35

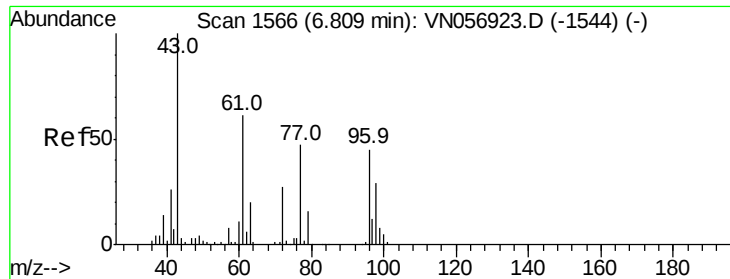
Tgt Ion: 77 Resp: 332702

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 49.297 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

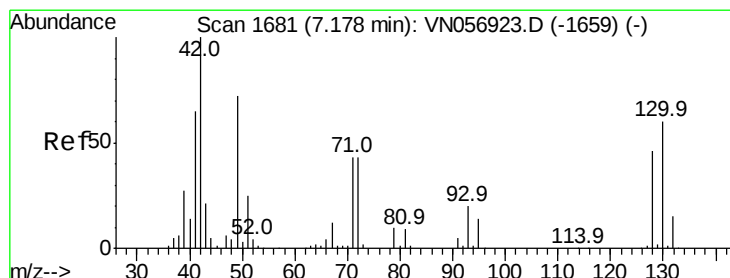
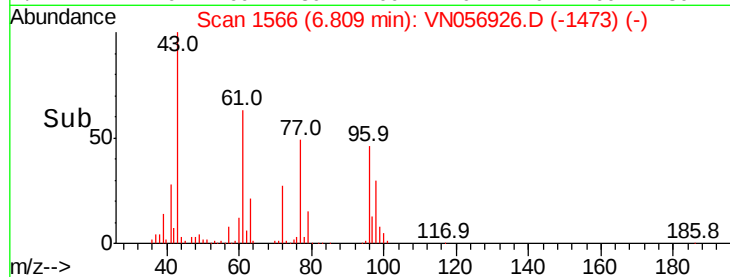
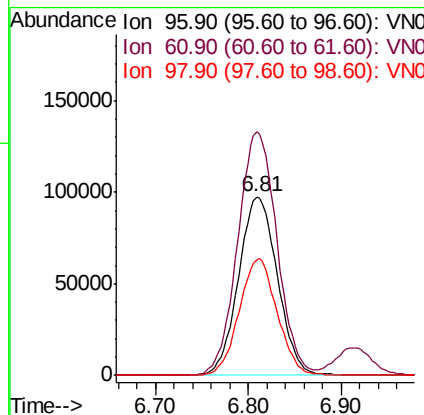
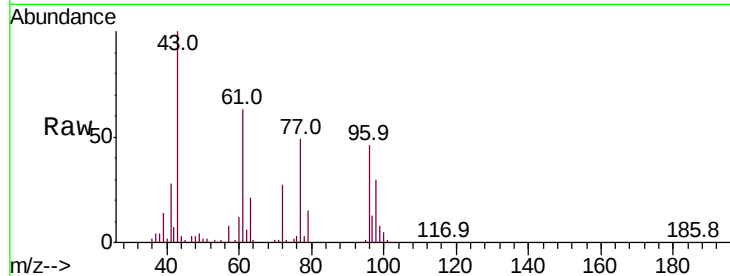
ClientSampleId :

ICVVN072619

Tot Ion:	96	Resp:	283365
Ion Ratio	Lower	Upper	
96	100		
61	137.6	0.0	278.8
98	63.7	0.0	130.0

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#28

Bromochloromethane

Concen: 49.363 ug/l

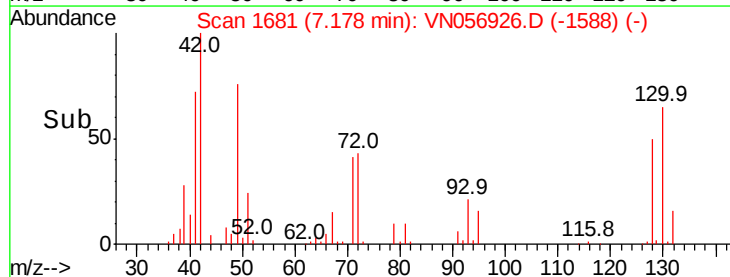
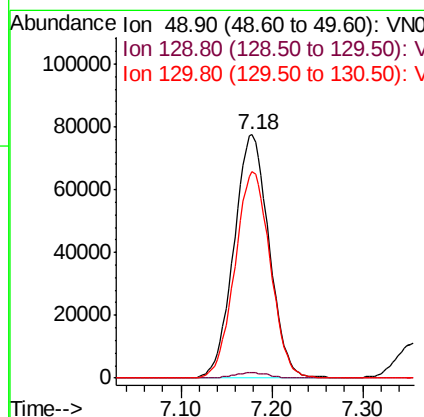
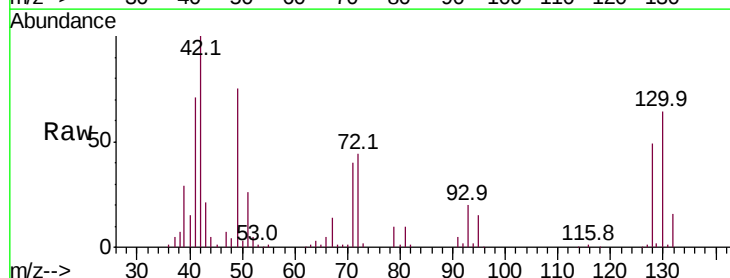
RT: 7.18 min Scan# 1681

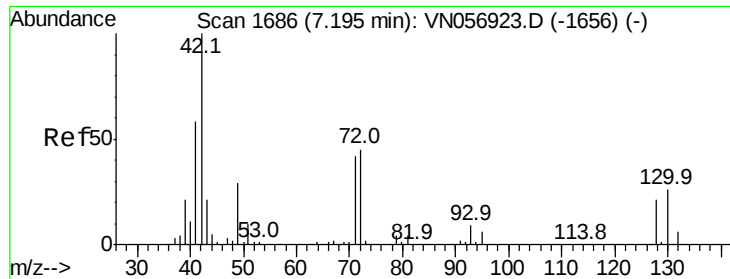
Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion:	49	Resp:	208176
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	85.2	67.3	100.9





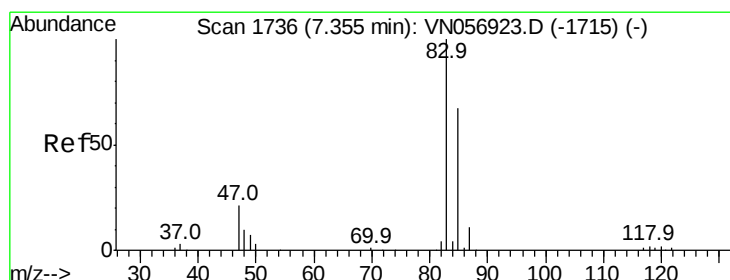
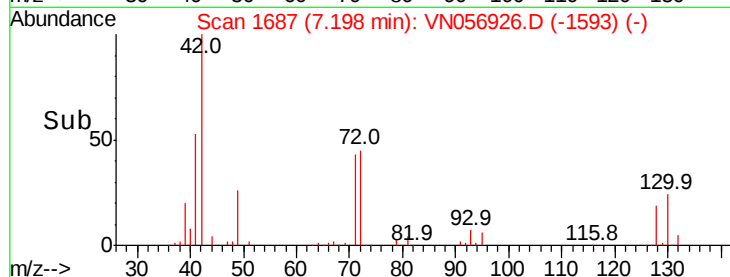
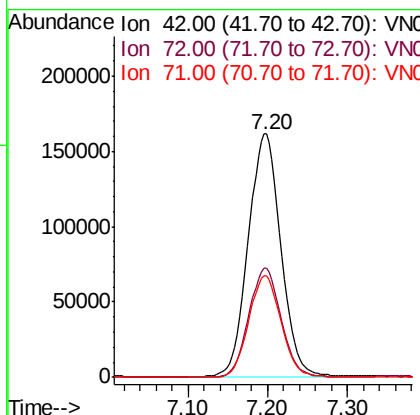
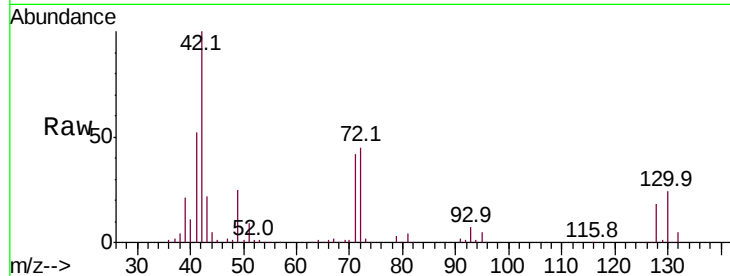
#29
Tetrahydrofuran
Concen: 252.510 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.5	53.3
71	41.1	33.0	49.6

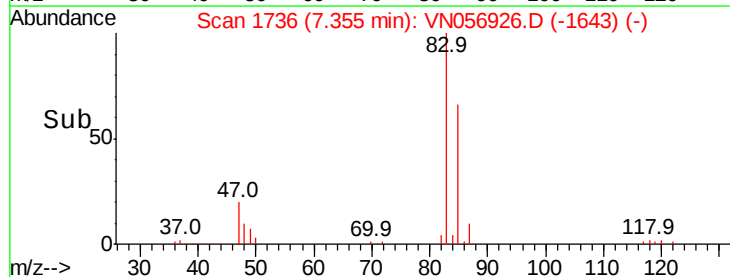
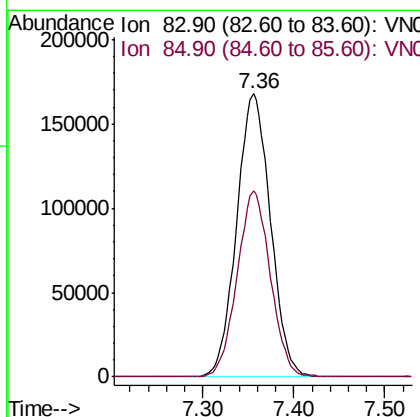
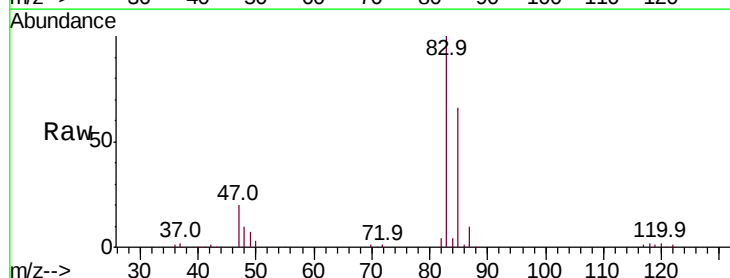
Manual Integrations
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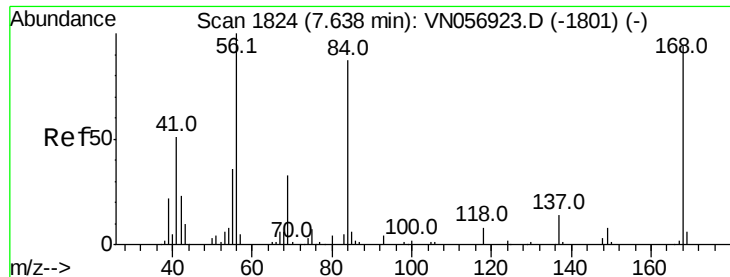
MMDadoda
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#30
Chloroform
Concen: 46.103 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.5	80.3





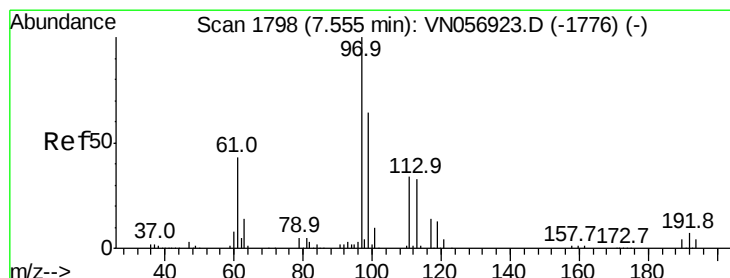
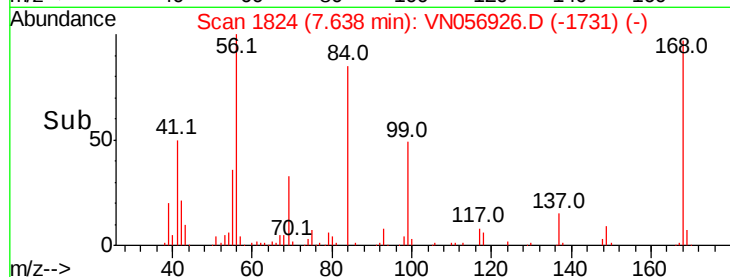
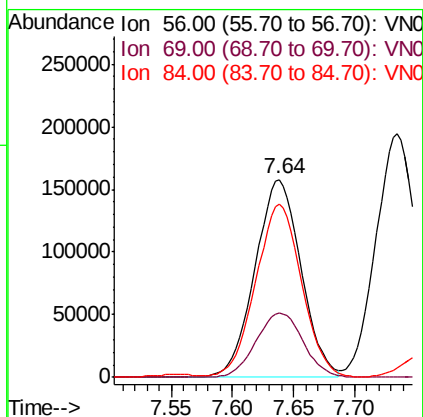
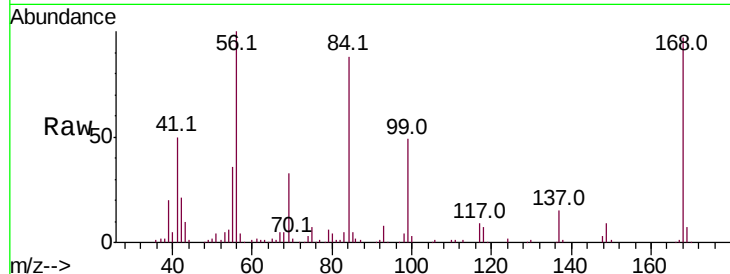
#31
Cyclohexane
Concen: 46.452 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.3	39.5
84	86.2	69.6	104.4

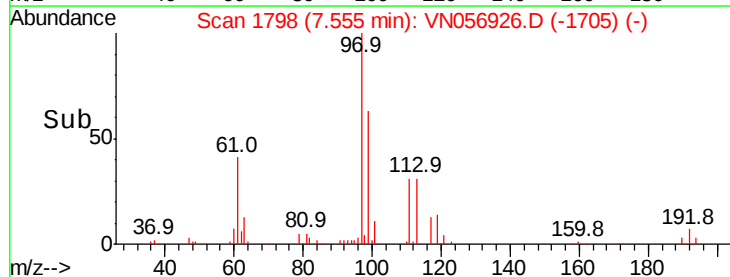
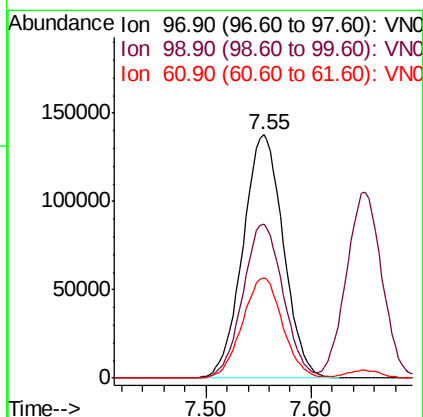
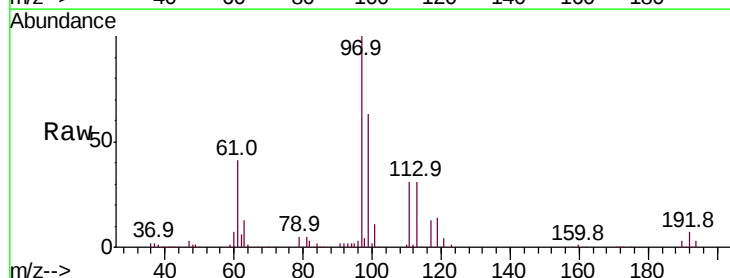
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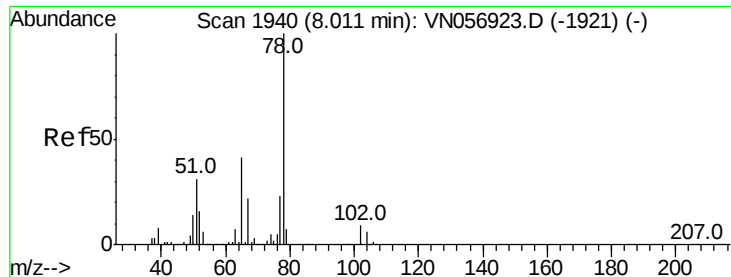
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.770 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	40.9	33.8	50.6





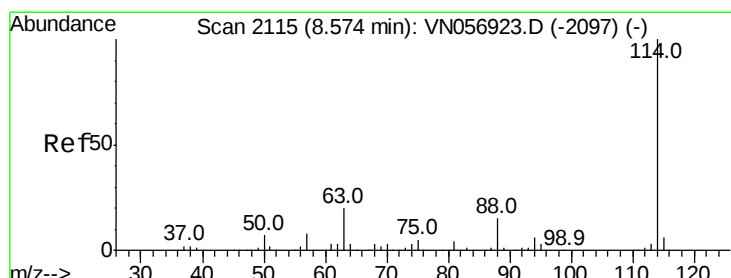
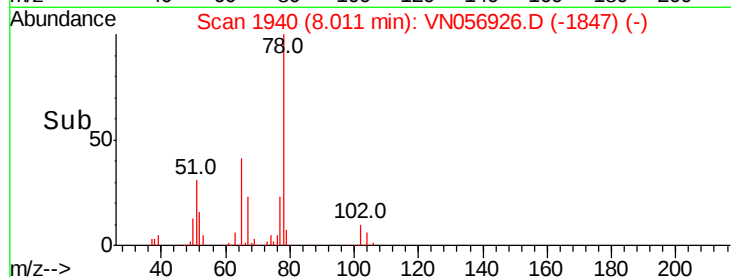
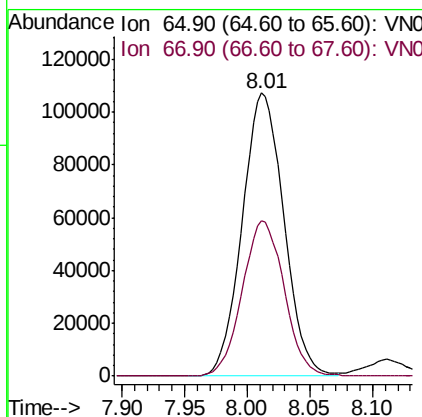
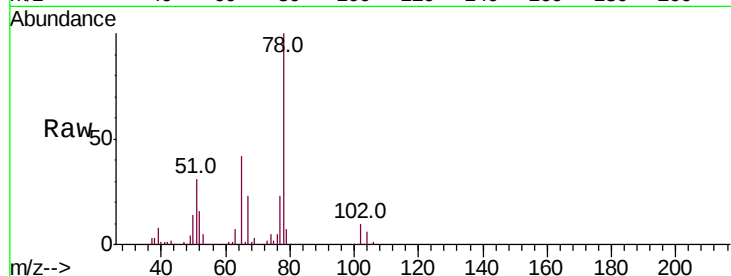
#33
 1,2-Dichloroethane-d4
 Concen: 47.733 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	109.2

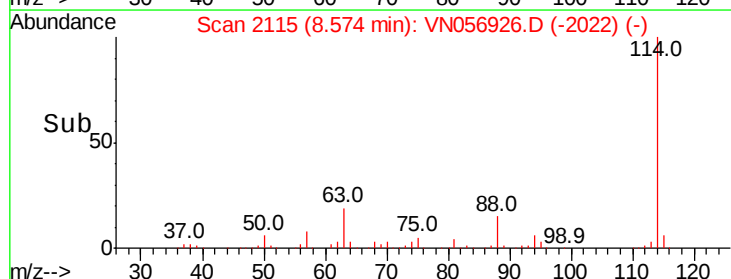
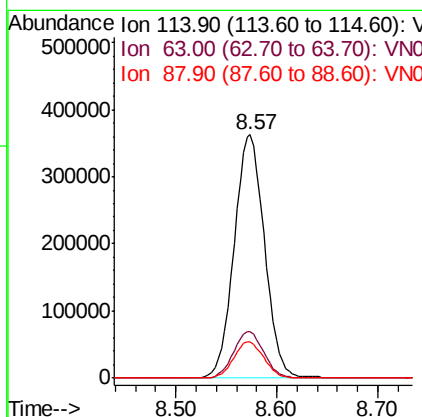
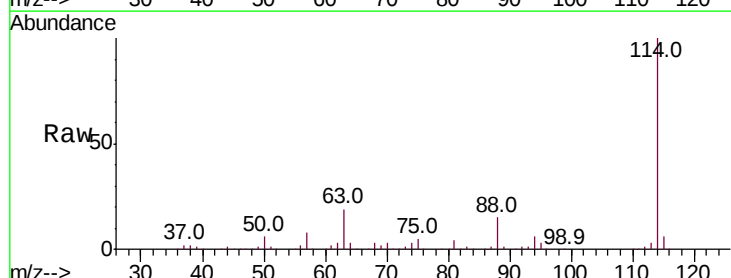
Manual Integrations
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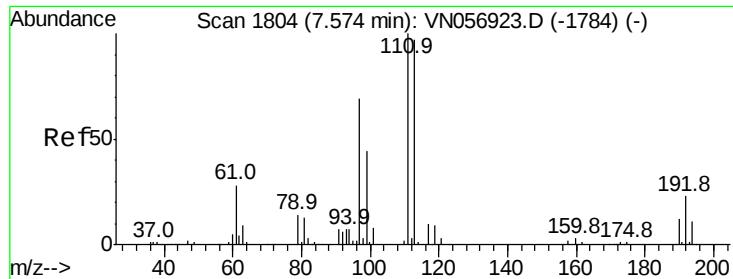
MMDadoda
 7/26/2019 3:37:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.4
88	14.8	0.0	30.4





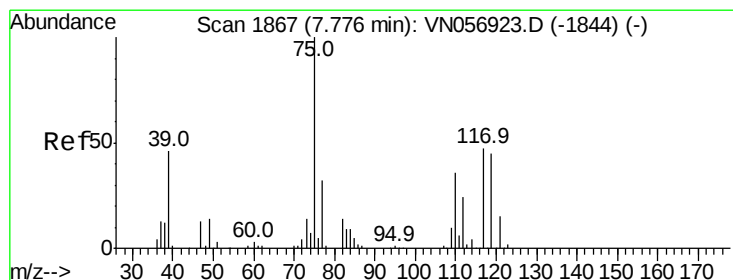
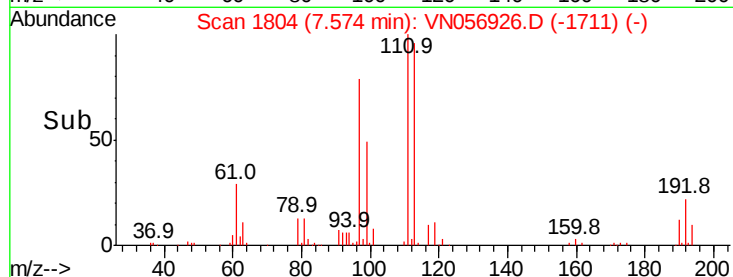
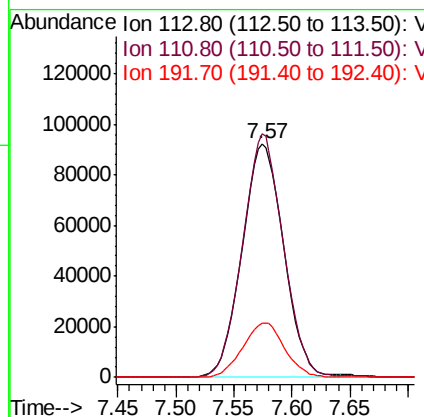
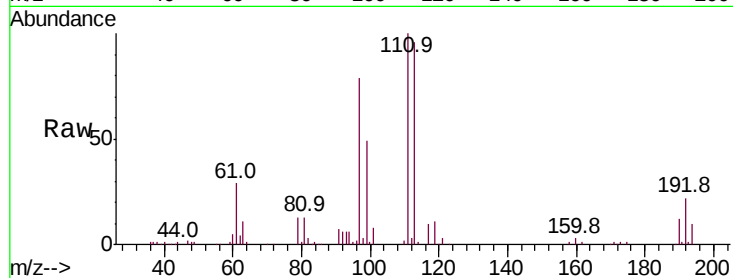
#35
 Dibromofluoromethane
 Concen: 47.812 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	23.4	18.3	27.5

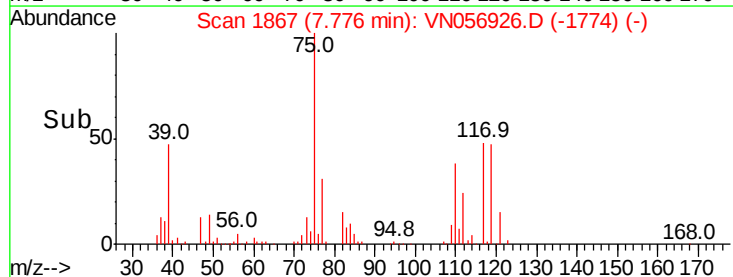
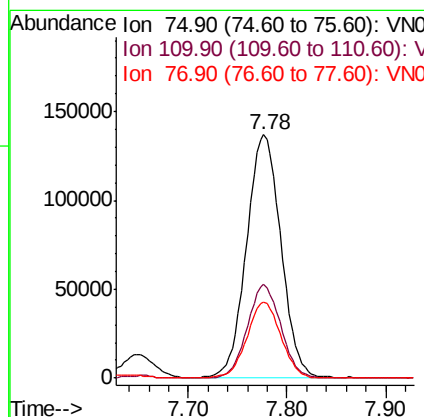
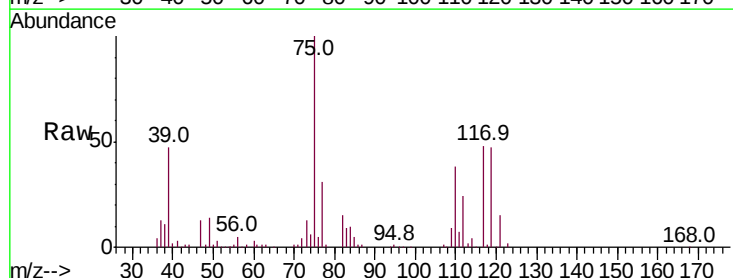
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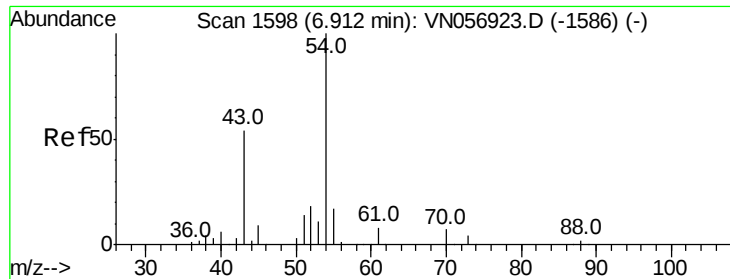
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#36
 1,1-Dichloropropene
 Concen: 47.725 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.9	56.9
77	31.0	25.4	38.0





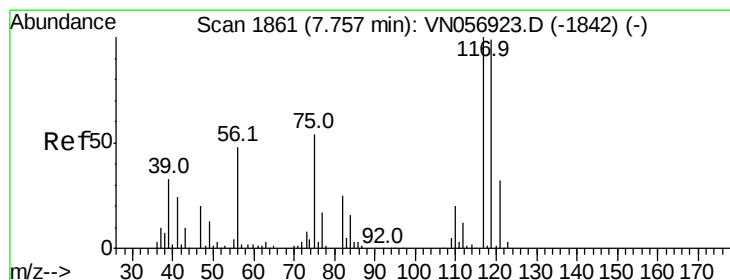
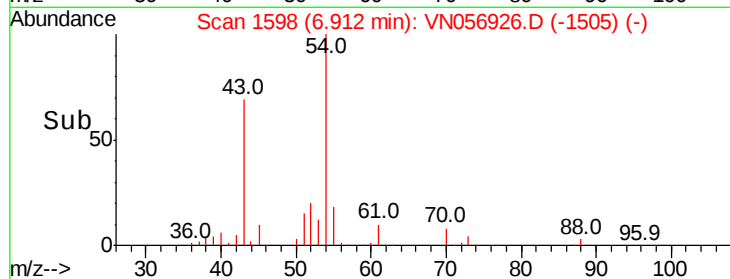
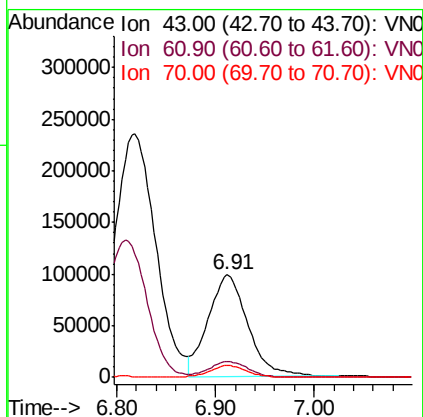
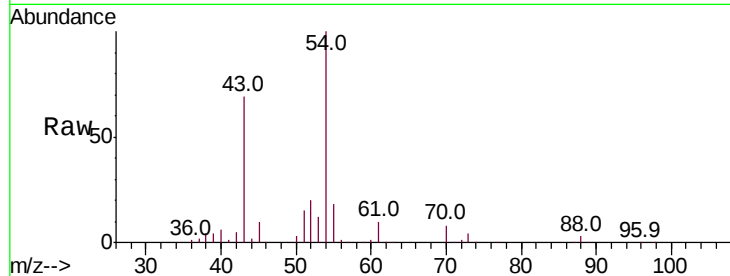
#37
Ethyl Acetate
Concen: 49.397 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.4	8.8	13.2

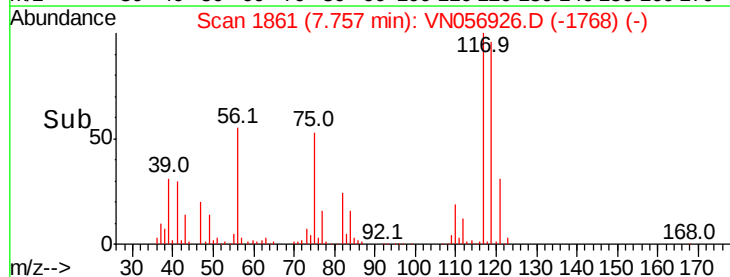
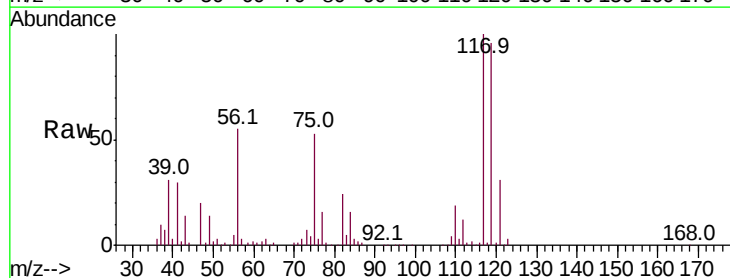
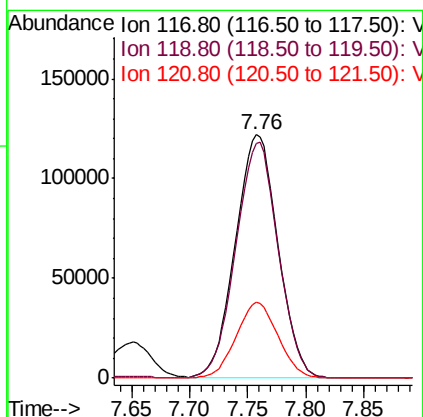
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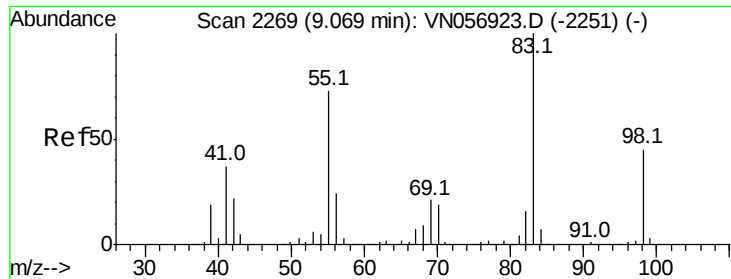
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#38
Carbon Tetrachloride
Concen: 47.407 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	31.1	25.1	37.7





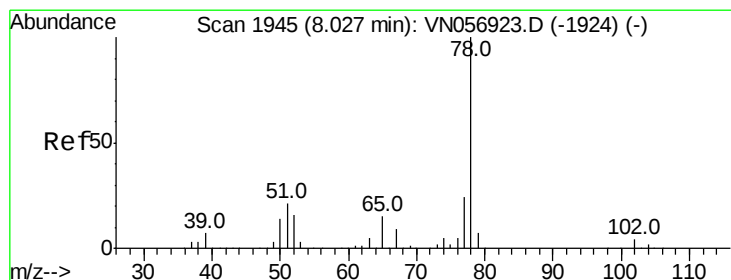
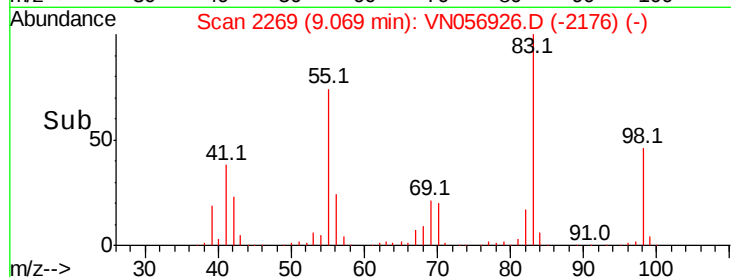
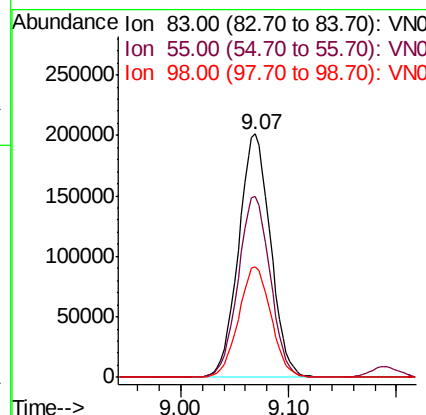
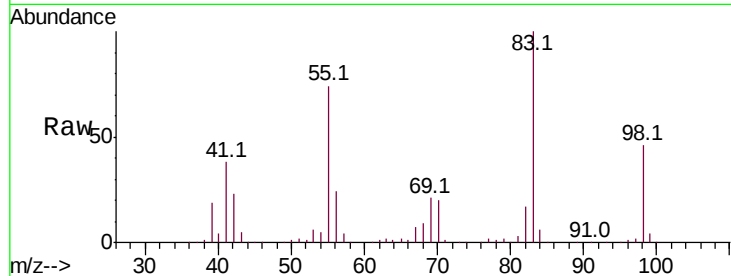
#39
Methvlcvclohexane
Concen: 49.267 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.8	88.2
98	45.6	35.8	53.6

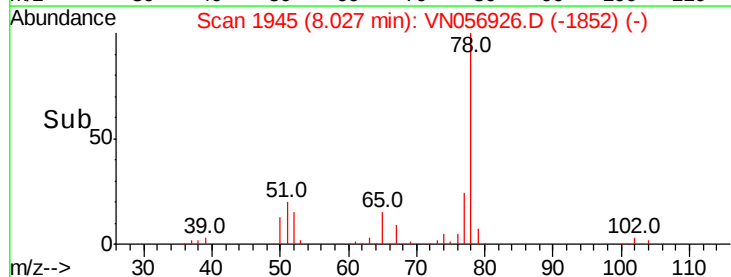
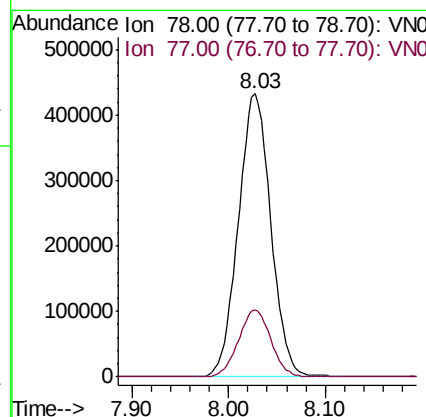
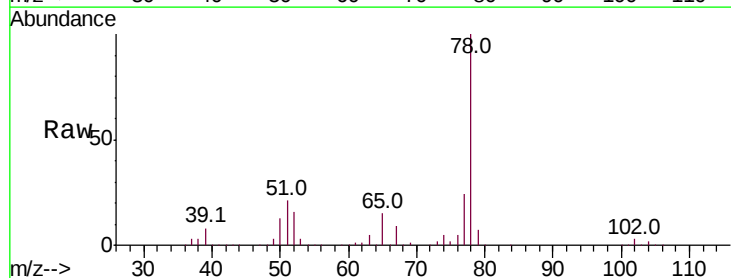
Manual Integrations
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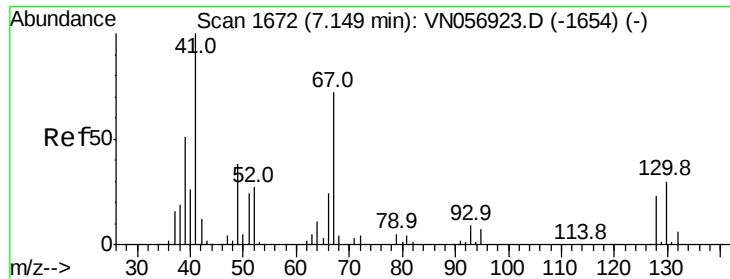
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#40
Benzene
Concen: 46.939 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





#41

Methacrylonitrile

Concen: 45.514 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 41 Resp: 112068

Ion Ratio Lower Upper

41 100

39 61.9 0.0 0.0#

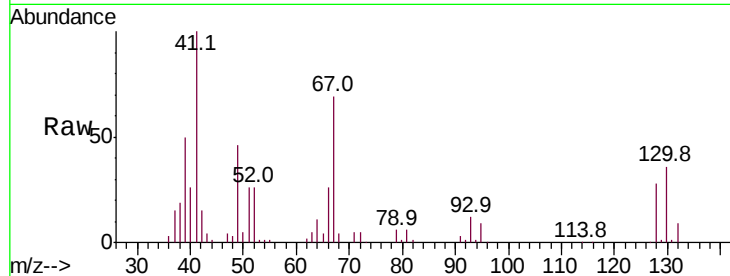
67 107.2 0.0 0.0#

52 41.3 0.0 0.0#

Manual Integrations
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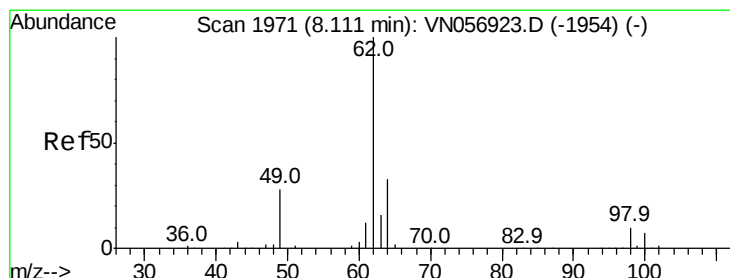
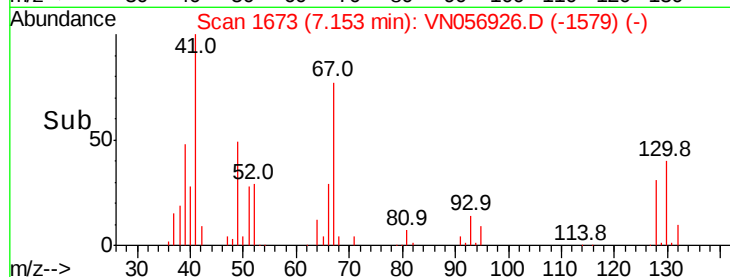
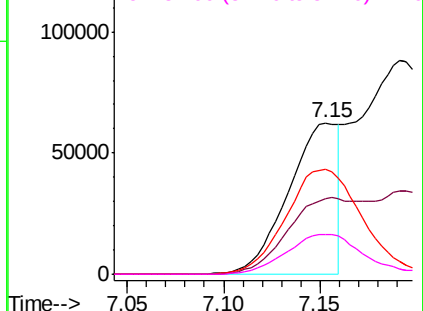


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 47.044 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN056926.D

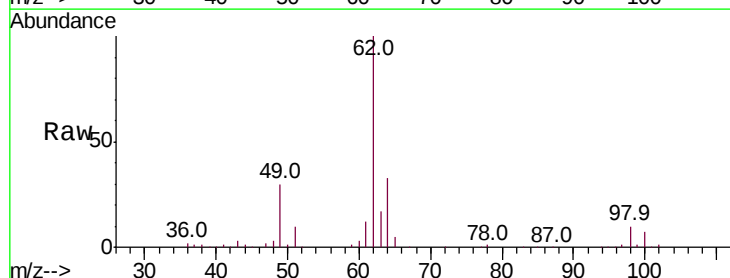
Acq: 25 Jul 2019 16:35

Tgt Ion: 62 Resp: 313055

Ion Ratio Lower Upper

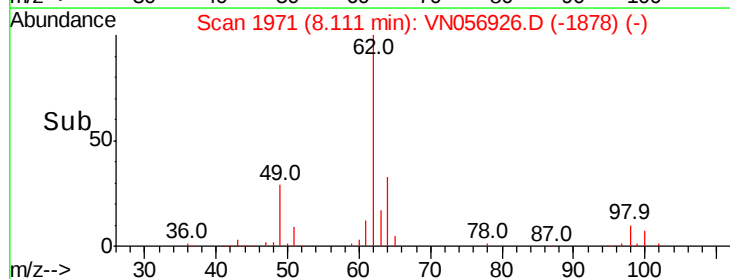
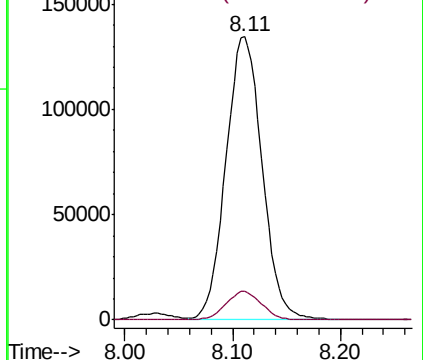
62 100

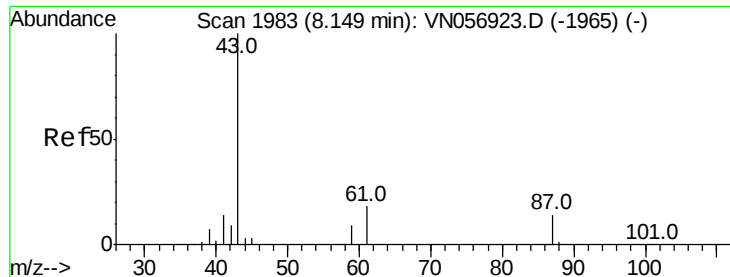
98 10.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.229 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

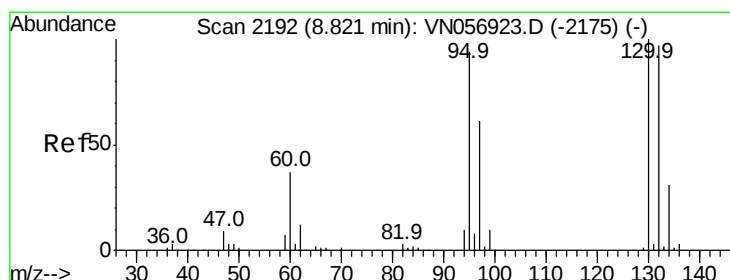
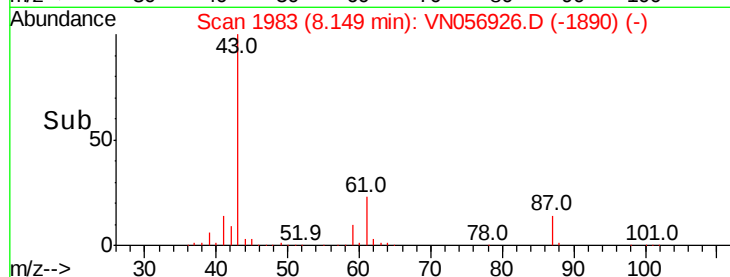
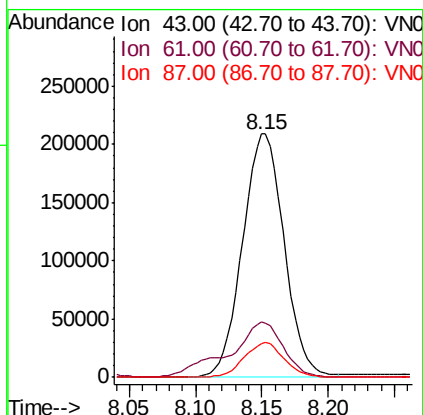
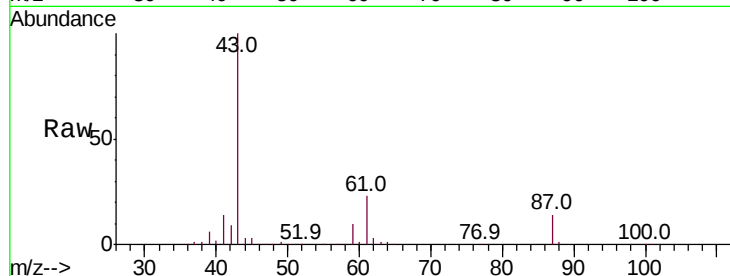
ClientSampleId :

ICVVN072619

Tot Ion:	43	Resp:	453456
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.8	35.6
87	14.0	11.8	17.6

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#44

Trichloroethene

Concen: 47.476 ug/l

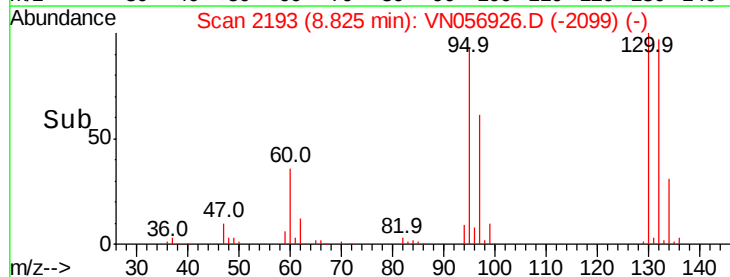
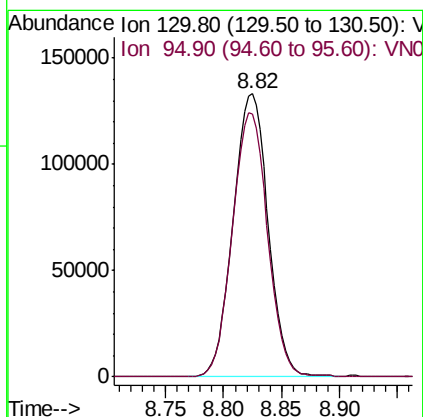
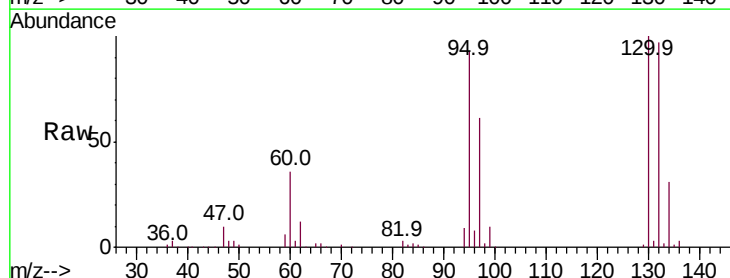
RT: 8.82 min Scan# 2193

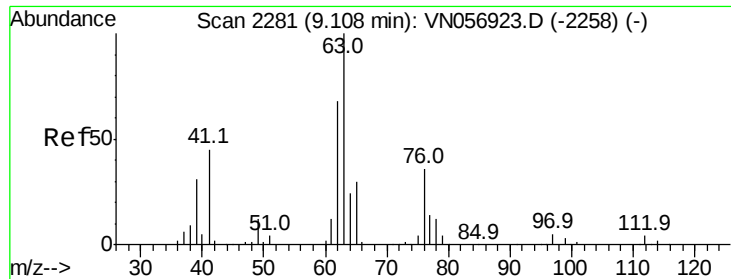
Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion:	130	Resp:	279049
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	187.6





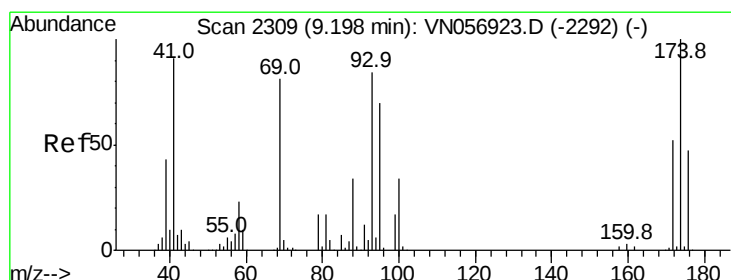
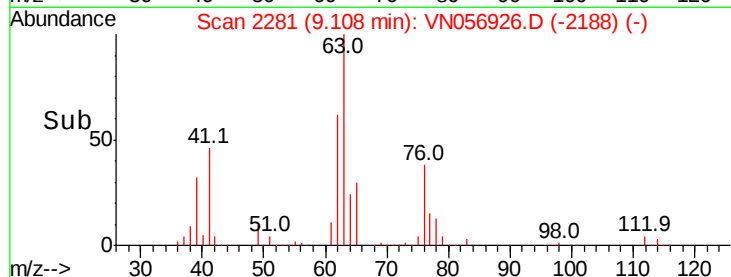
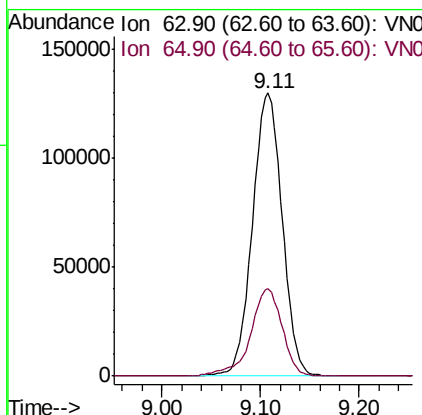
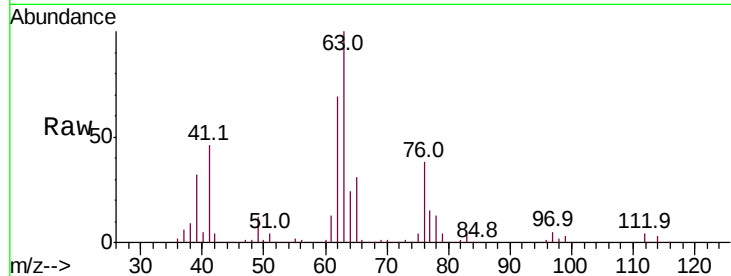
#45
 1,2-Dichloropropane
 Concen: 46.604 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion: 63 Resp: 269843
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.5 36.7

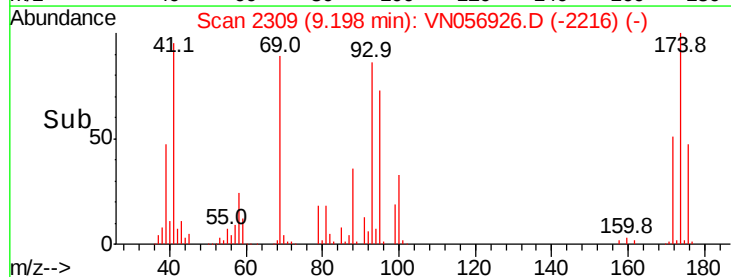
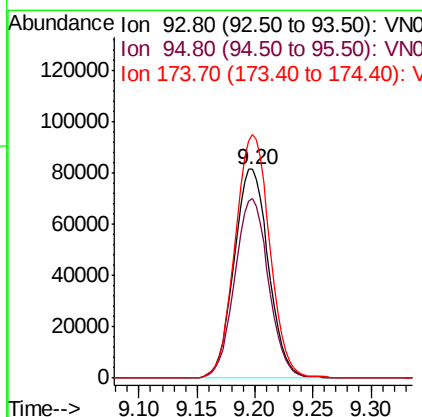
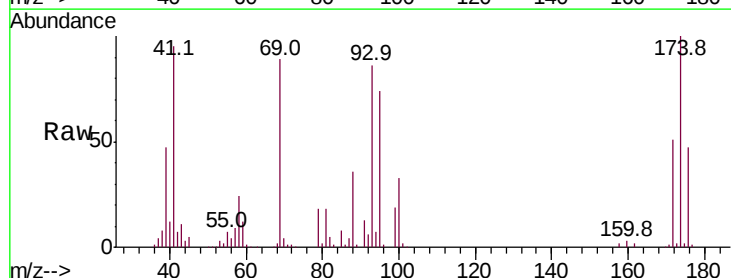
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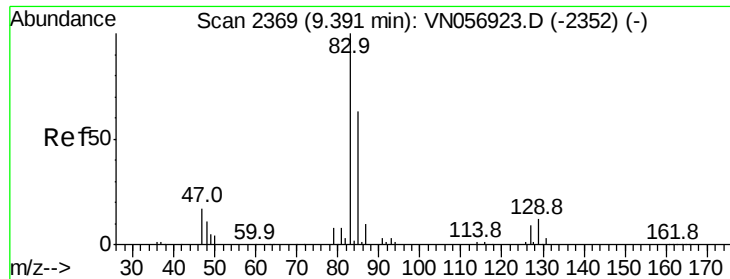
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#46
 Dibromomethane
 Concen: 48.347 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion: 93 Resp: 168758
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.8 100.2
 174 117.0 92.9 139.3





#47

Bromodichloromethane

Concen: 48.395 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

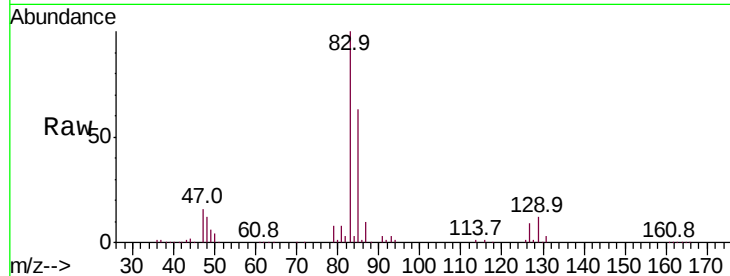
ClientSampleId :

ICVVN072619

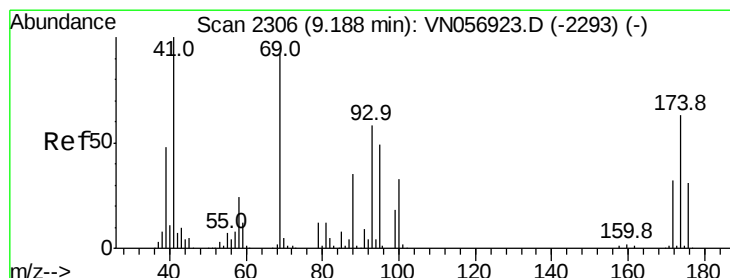
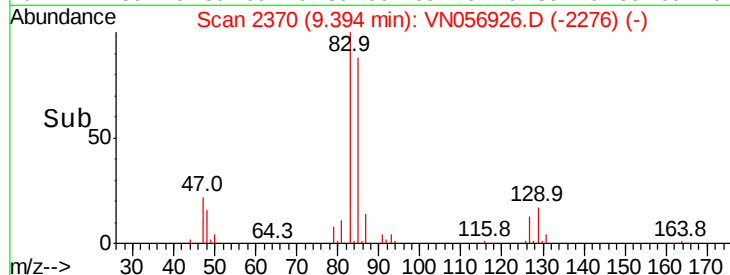
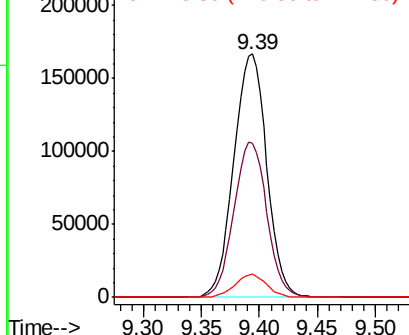
Tot Ion:	83	Resp:	329882
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.5	75.7
127	9.4	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 50.580 ug/l

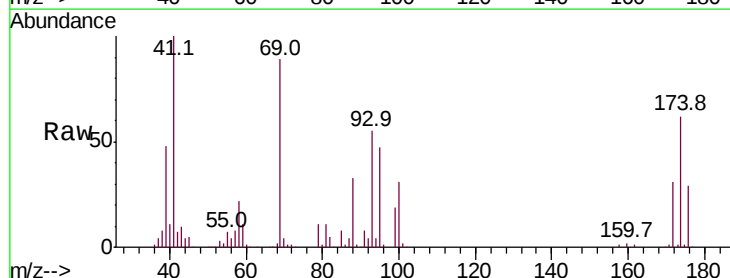
RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

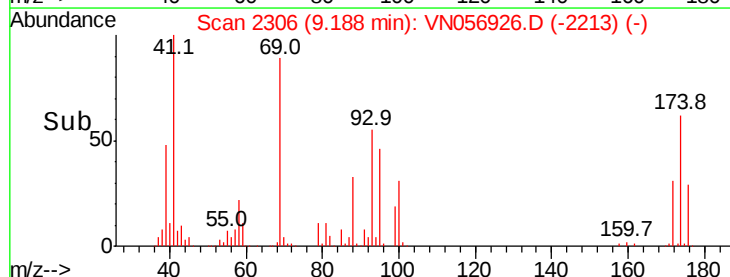
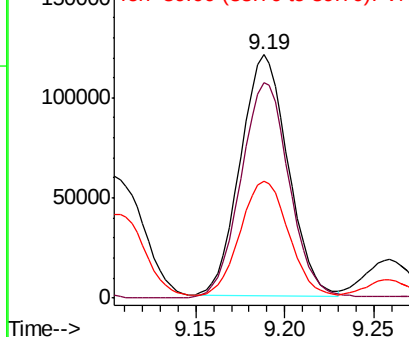
Lab File: VN056926.D

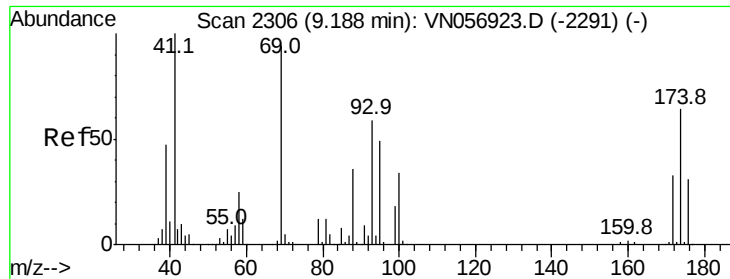
Acq: 25 Jul 2019 16:35

Tgt Ion:	41	Resp:	223650
Ion Ratio	Lower	Upper	
41	100		
69	92.4	73.4	110.0
39	49.8	40.1	60.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 983.079 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

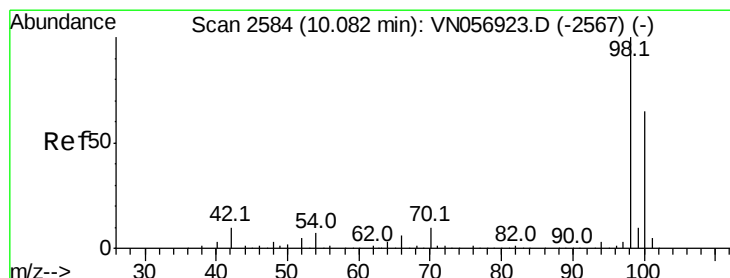
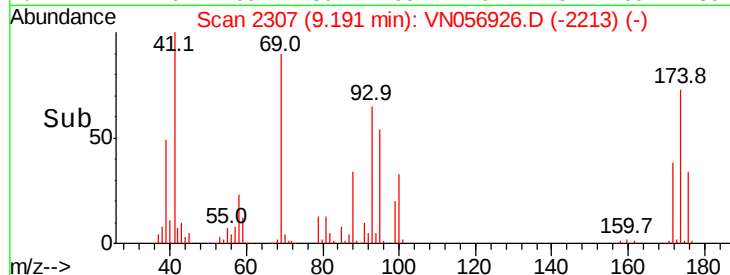
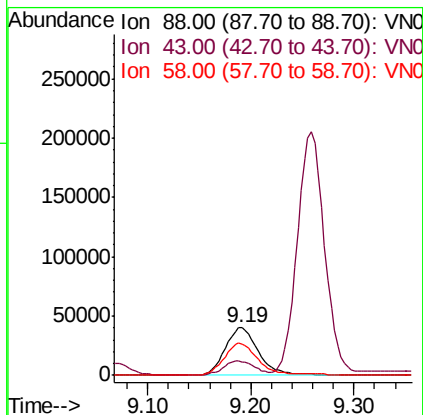
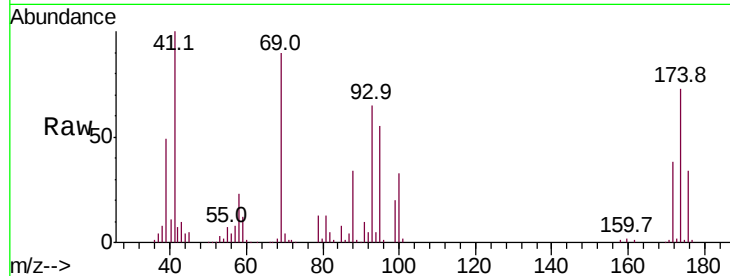
ClientSampled :

ICVVN072619

Tot Ion:	88	Resp:	91021
Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.1	31.7
58	67.9	52.5	78.7

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#50

Toluene-d8

Concen: 47.824 ug/l

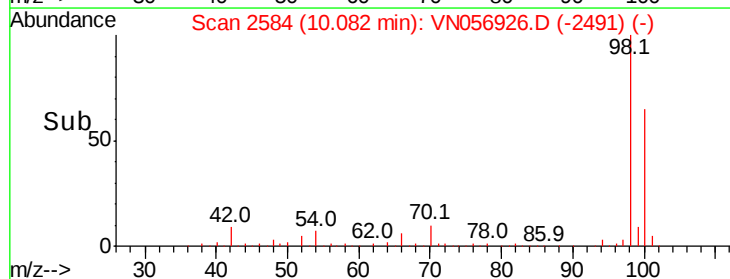
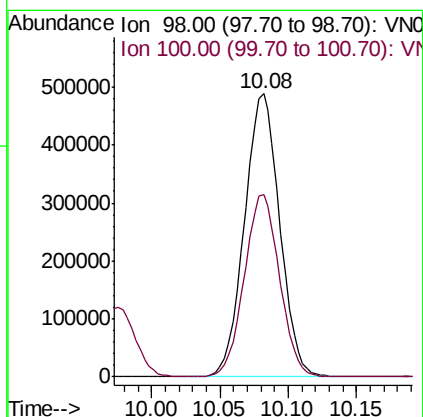
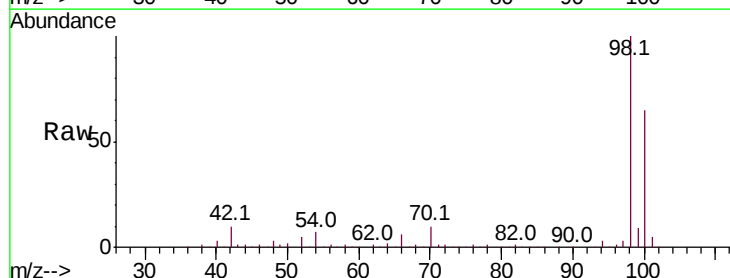
RT: 10.08 min Scan# 2584

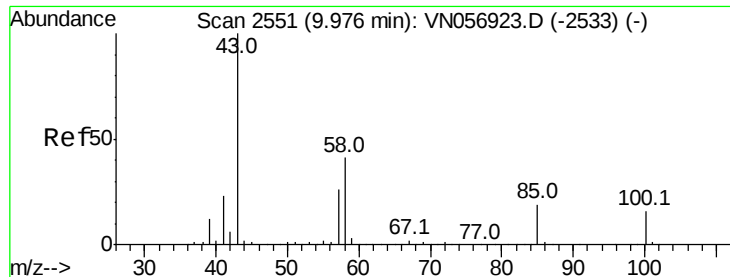
Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion:	98	Resp:	875608
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 250.421 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion: 43 Resp: 1371427

Ion Ratio Lower Upper

43 100

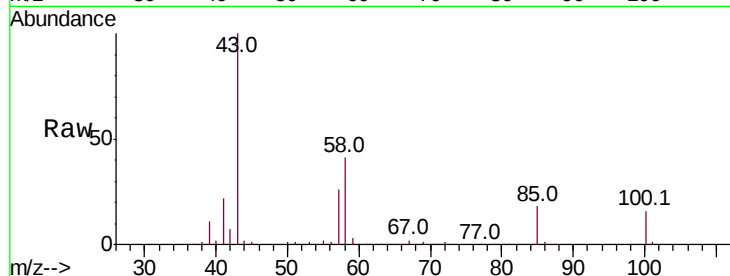
58 40.9 32.8 49.2

Manual Integrations

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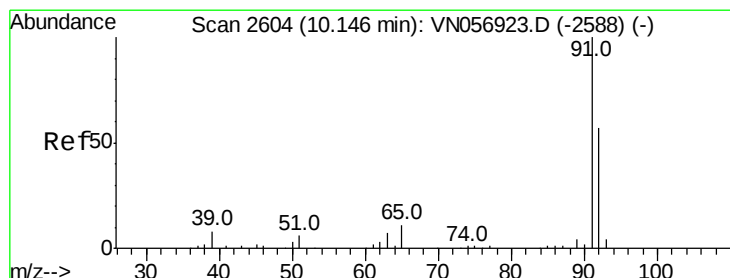
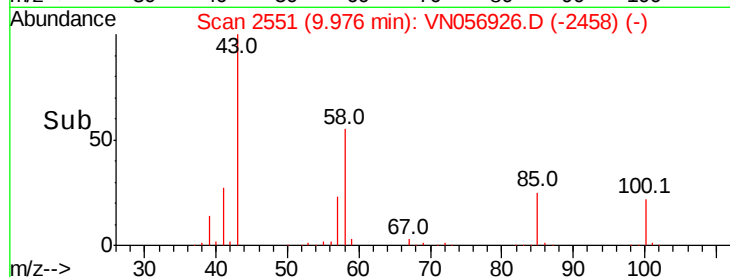
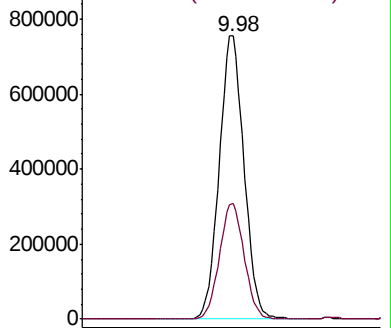
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.821 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056926.D

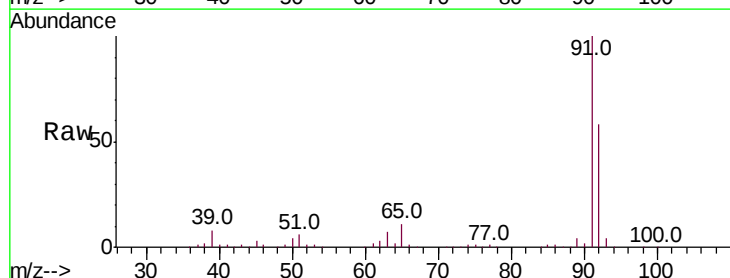
Acq: 25 Jul 2019 16:35

Tgt Ion: 92 Resp: 630862

Ion Ratio Lower Upper

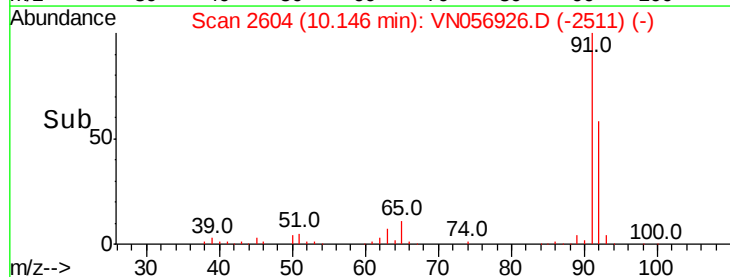
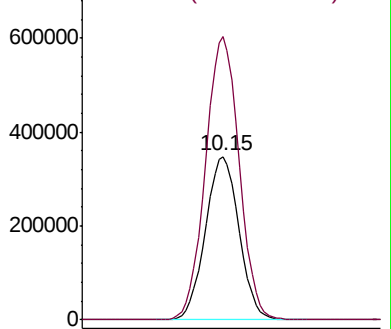
92 100

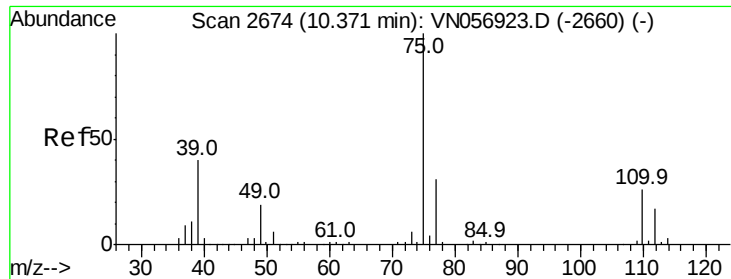
91 173.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





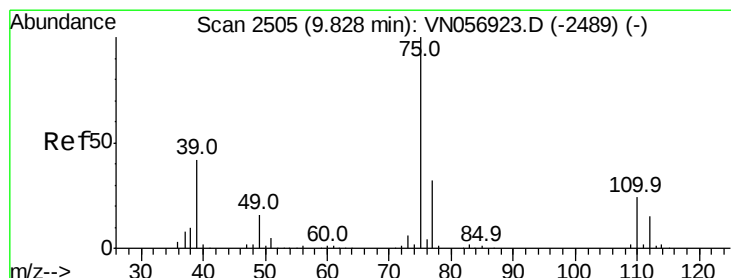
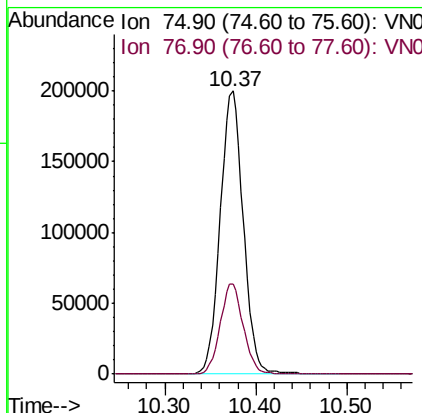
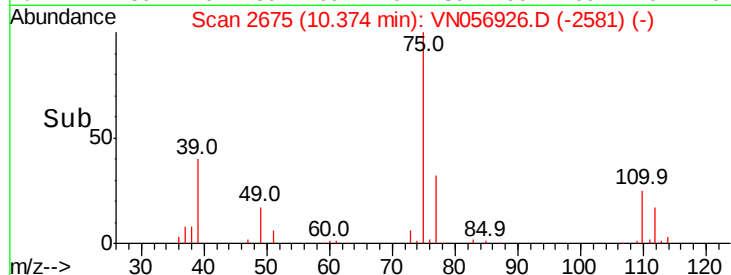
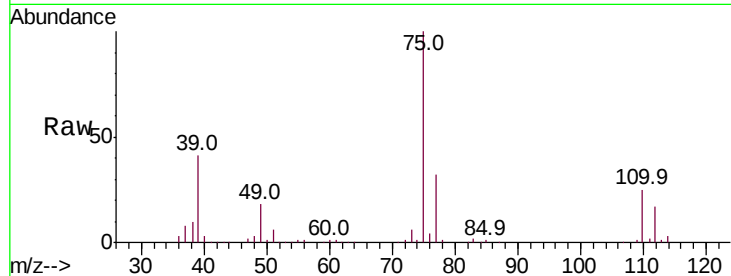
#53
 t-1,3-Dichloropropene
 Concen: 51.272 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion: 75 Resp: 352351
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6

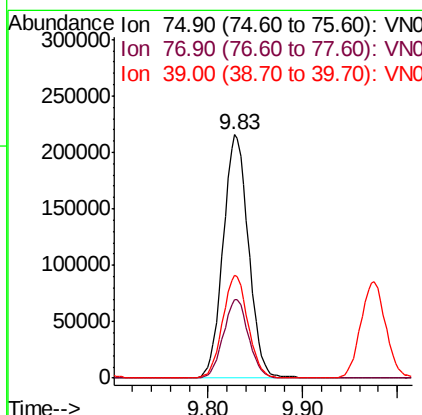
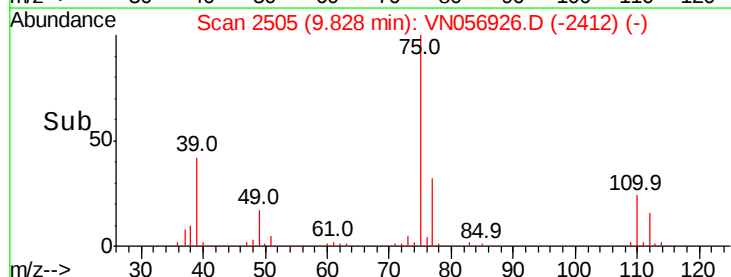
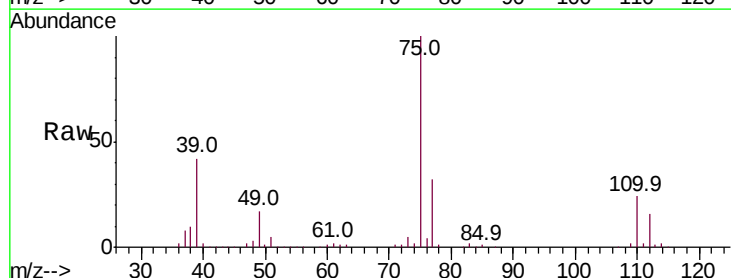
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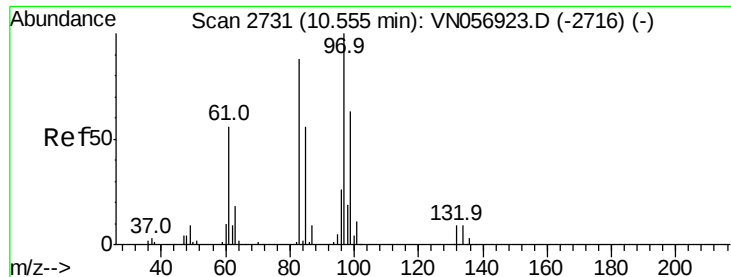
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#54
 cis-1,3-Dichloropropene
 Concen: 49.854 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion: 75 Resp: 403342
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 42.1 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 46.989 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 97 Resp: 243343

Ion Ratio Lower Upper

97 100

83 86.1 70.1 105.1

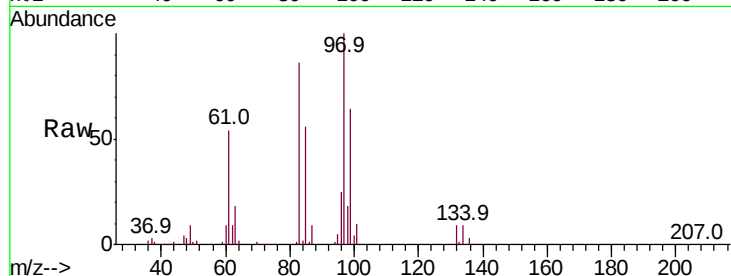
85 56.1 45.1 67.7

99 63.9 50.6 75.8

Manual Integrations
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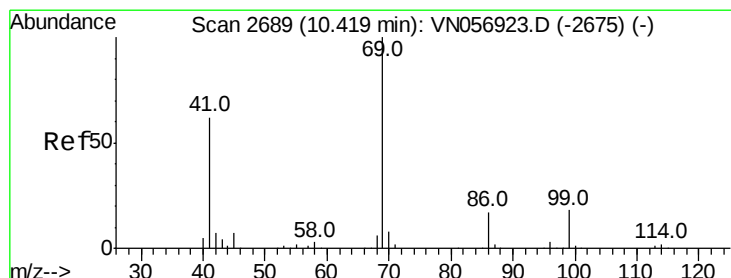
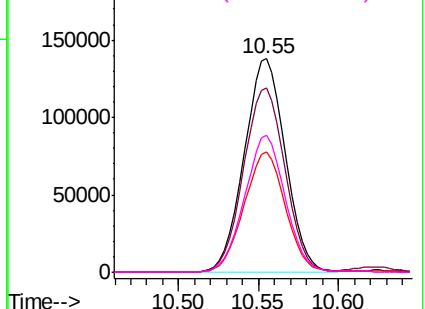
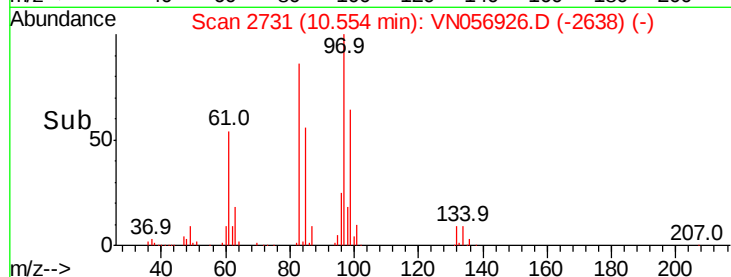
Abundance

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: 52.305 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

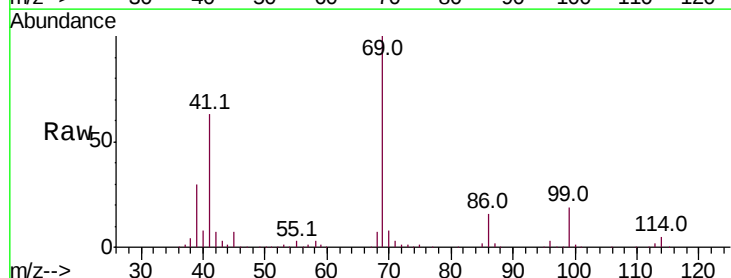
Tgt Ion: 69 Resp: 364187

Ion Ratio Lower Upper

69 100

41 61.0 49.7 74.5

39 29.7 23.6 35.4

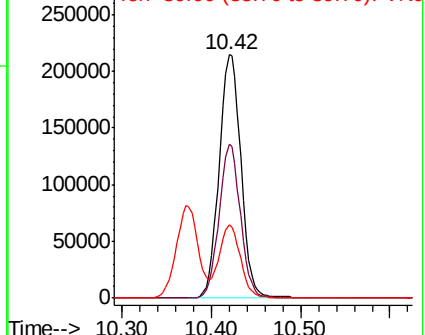
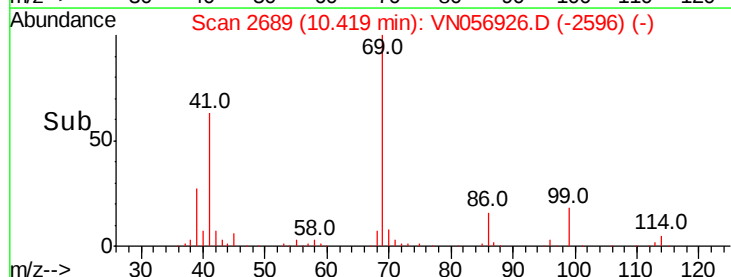


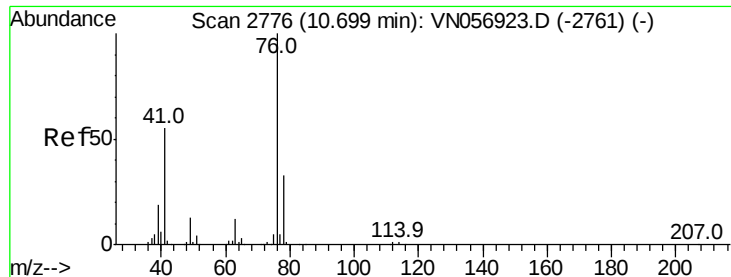
Abundance

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: 48.470 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 76 Resp: 410820

Ion Ratio Lower Upper

76 100

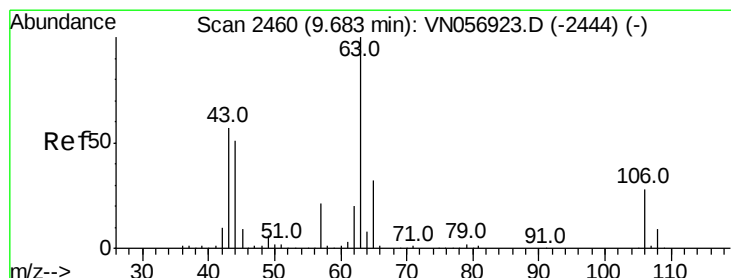
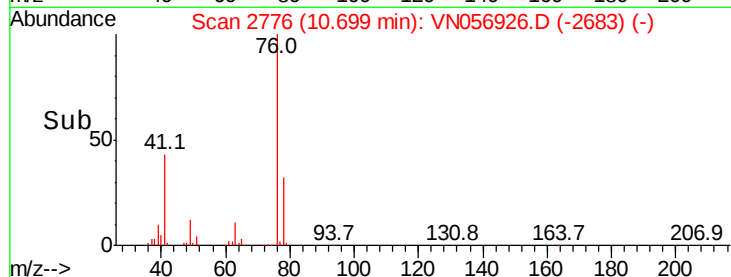
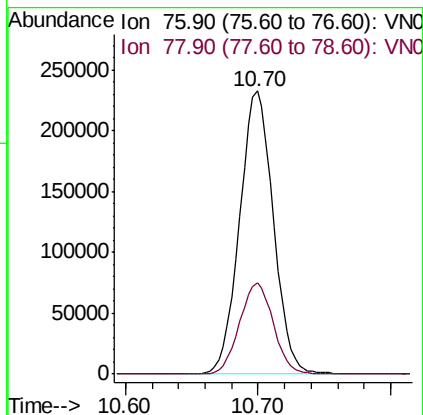
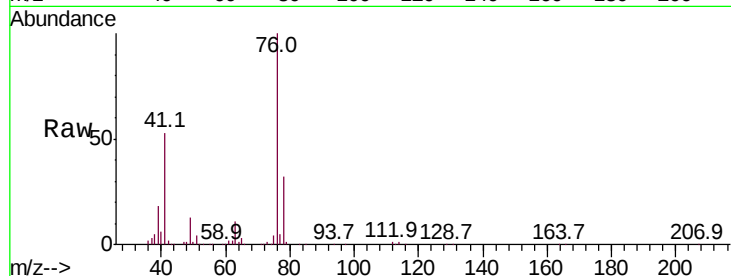
78 32.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 228.215 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN056926.D

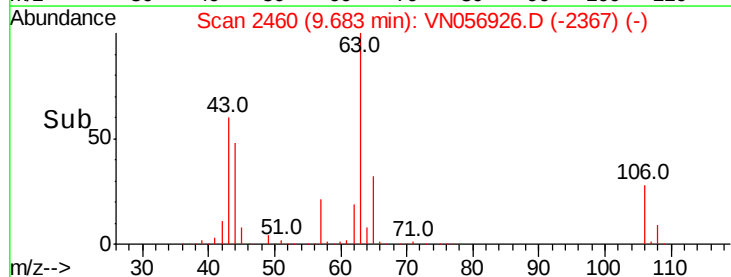
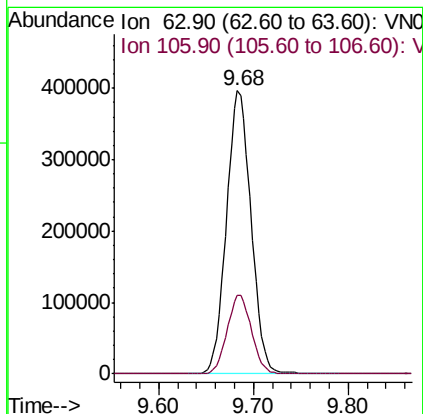
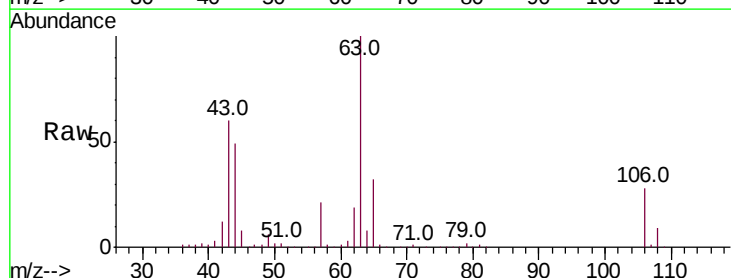
Acq: 25 Jul 2019 16:35

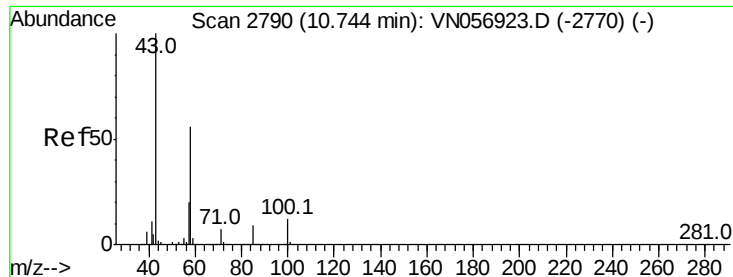
Tgt Ion: 63 Resp: 716192

Ion Ratio Lower Upper

63 100

106 27.6 22.2 33.4





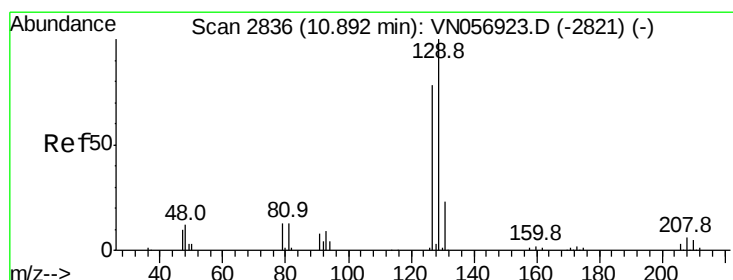
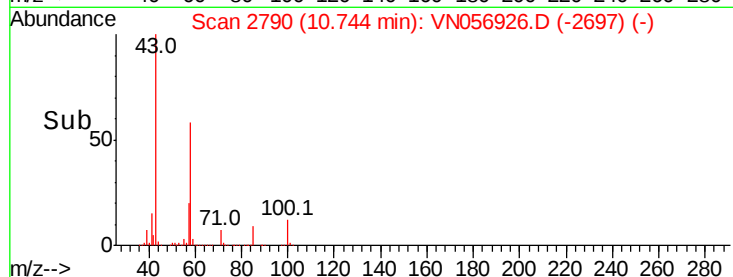
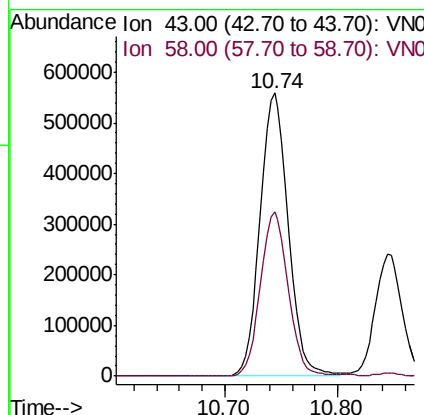
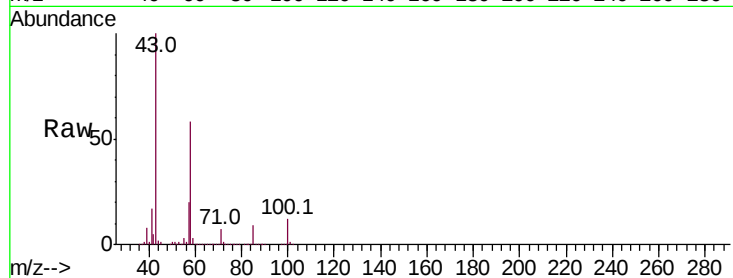
#59
2-Hexanone
Concen: 258.115 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.2	84.6

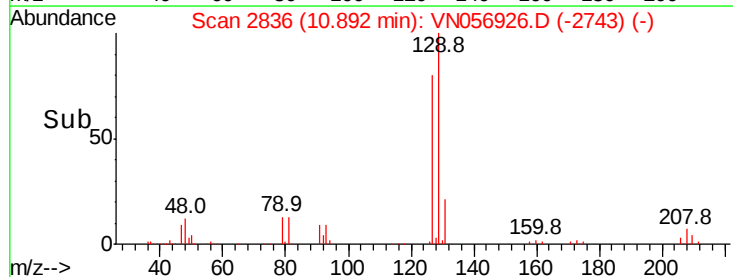
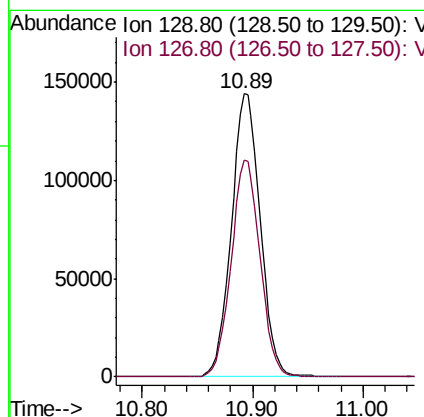
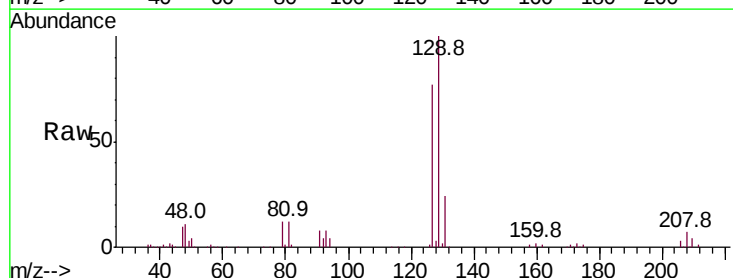
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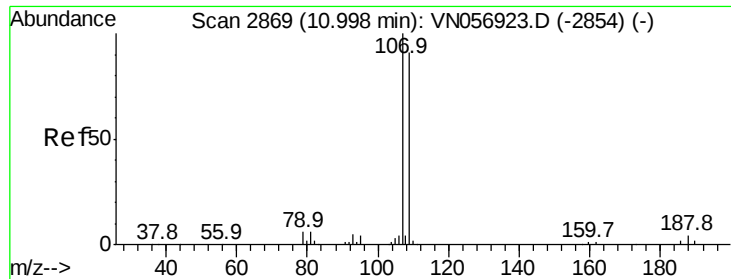
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#60
Dibromochloromethane
Concen: 49.636 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2





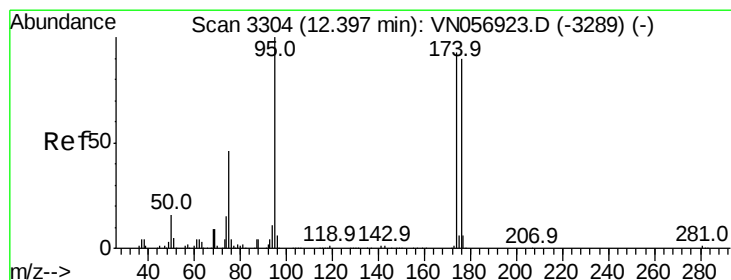
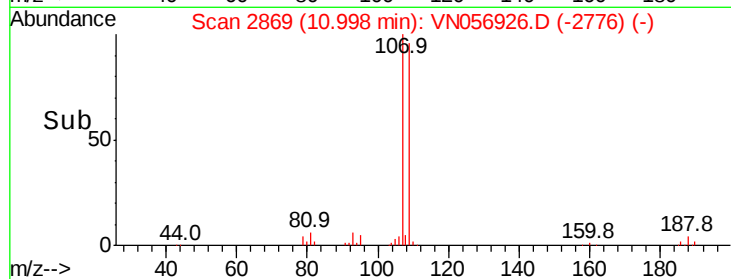
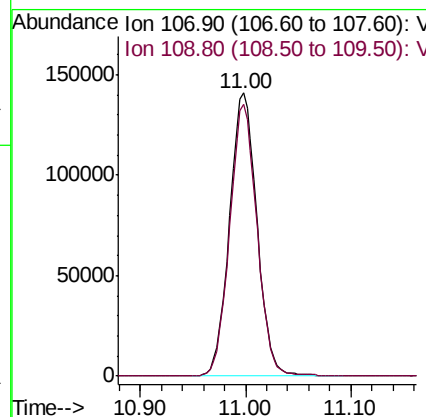
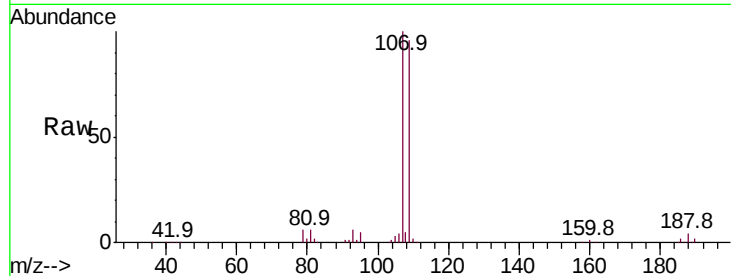
#61
 1,2-Dibromoethane
 Concen: 49.207 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.8	112.2

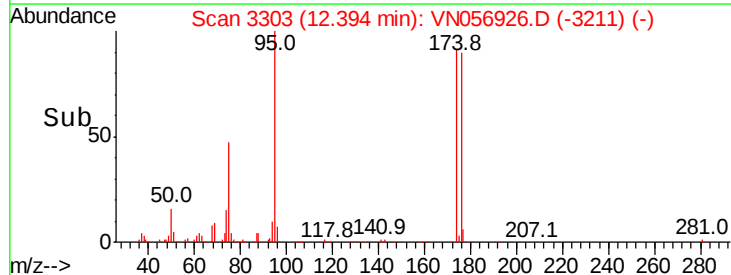
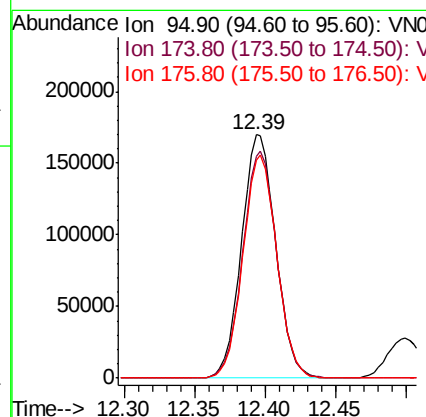
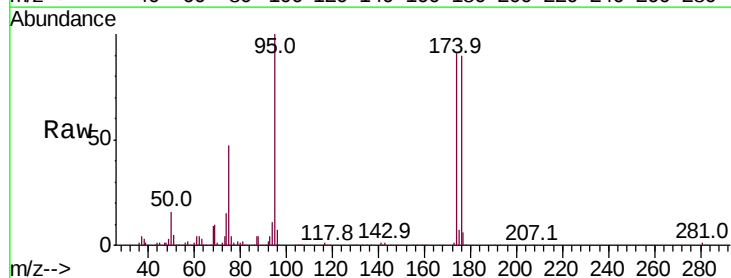
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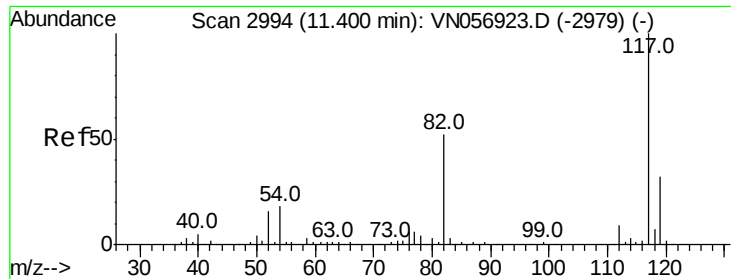
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#62
 4-Bromofluorobenzene
 Concen: 48.255 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	186.2
176	90.7	0.0	179.6





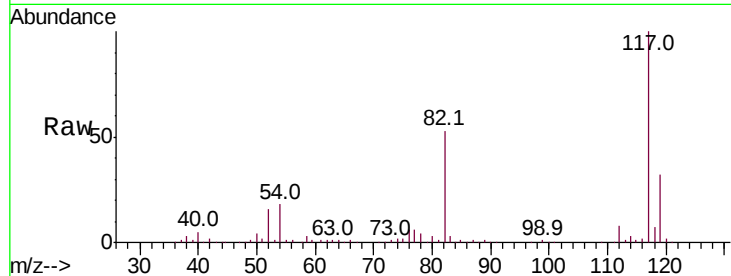
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.7	62.5
119	32.0	25.5	38.3

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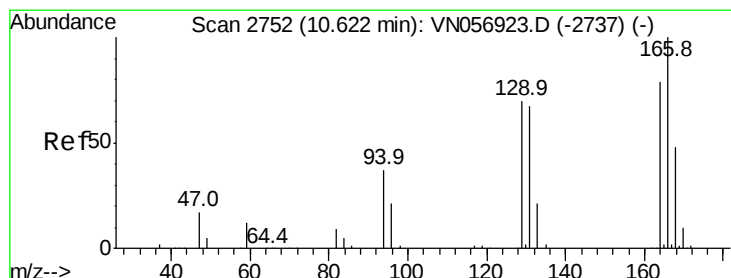
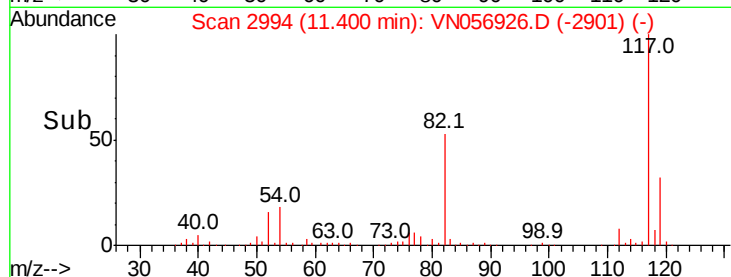
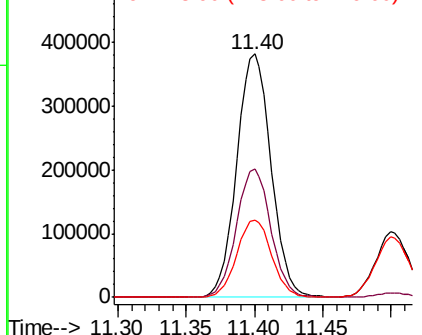


Abundance

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: 44.539 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.6	152.4
129	90.8	70.9	106.3
131	88.7	68.4	102.6

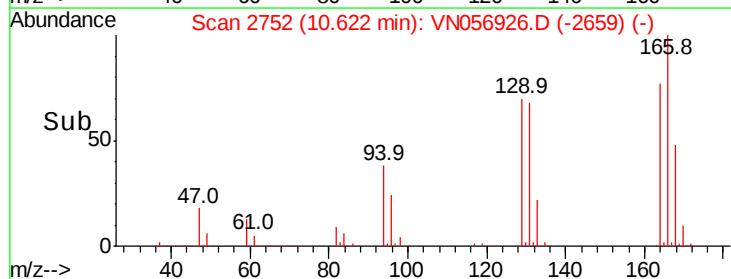
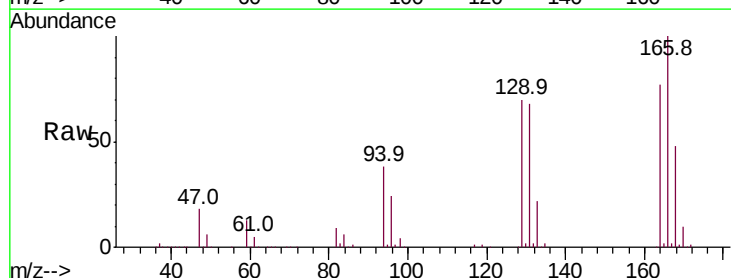
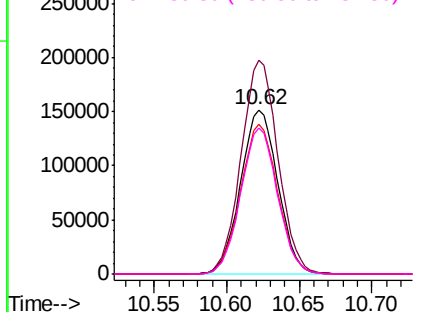
Abundance

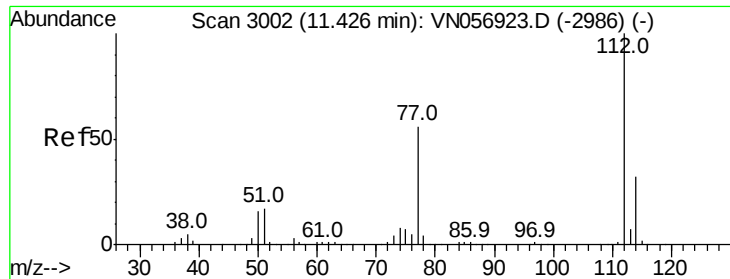
Ion 163.80 (163.50 to 164.50): V

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





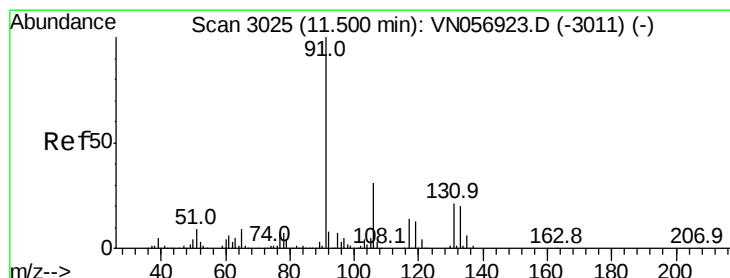
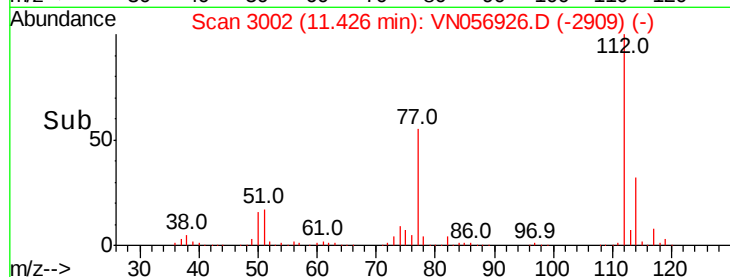
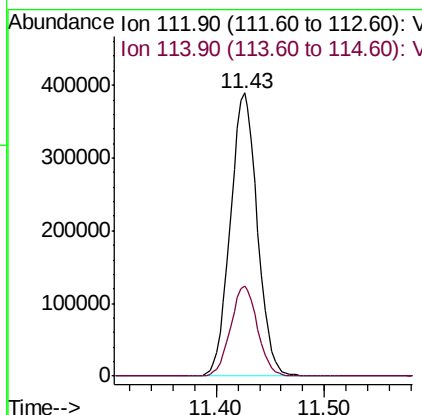
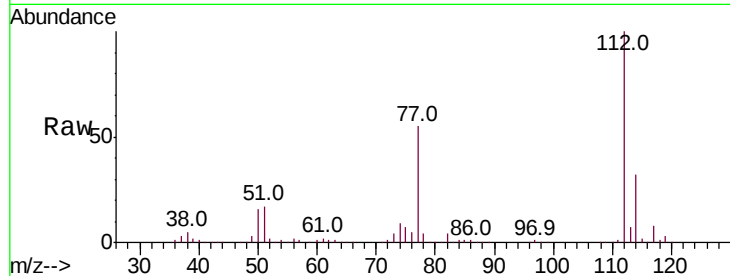
#65
Chlorobenzene
Concen: 48.579 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

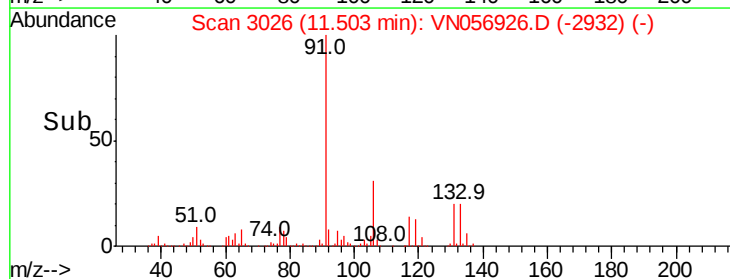
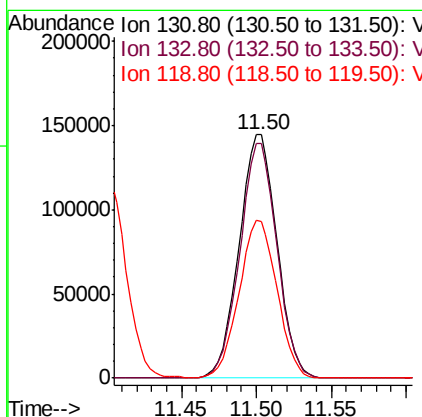
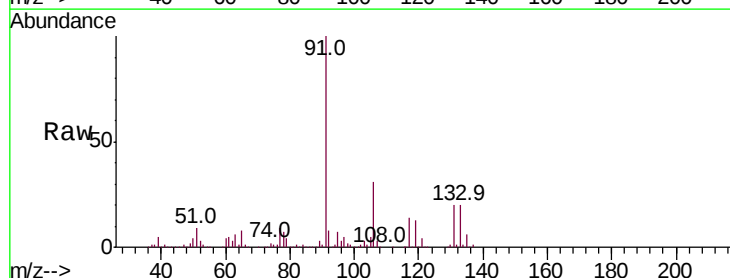
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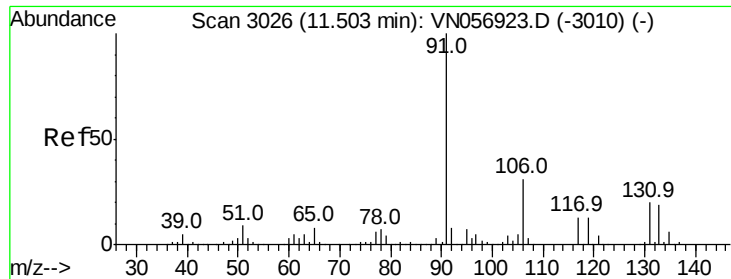
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.887 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.1	141.4
119	64.9	32.6	98.0





#67

Ethyl Benzene

Concen: 49.297 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN072619

Tot Ion: 91 Resp: 1187239

Ion Ratio Lower Upper

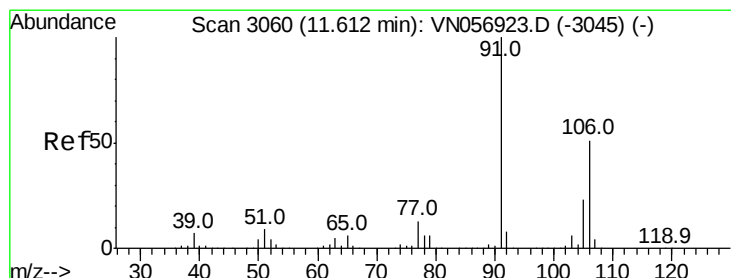
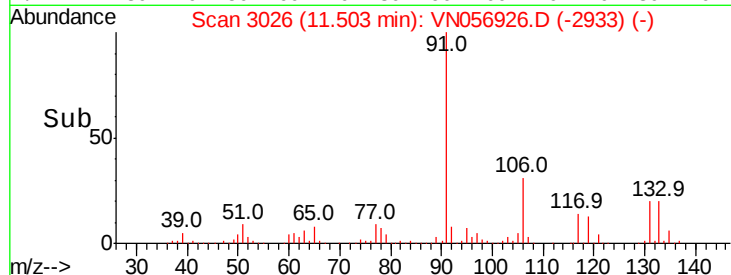
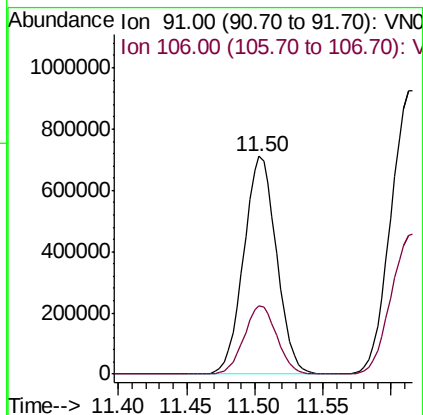
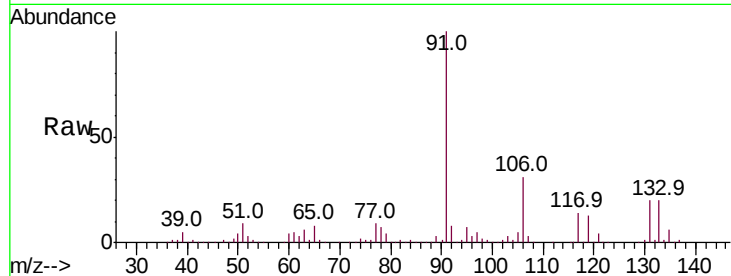
91 100

106 31.5 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 98.637 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN056926.D

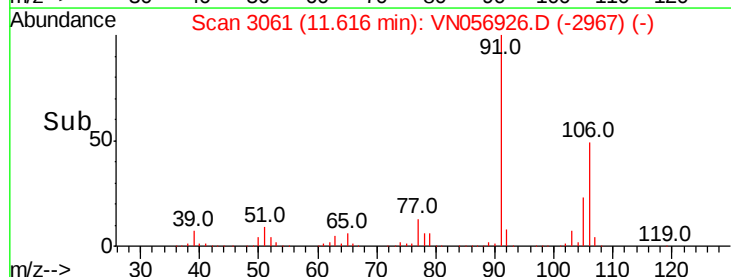
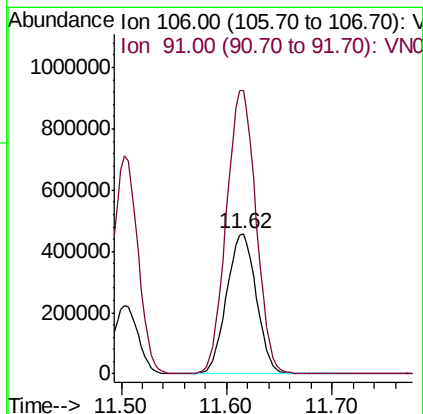
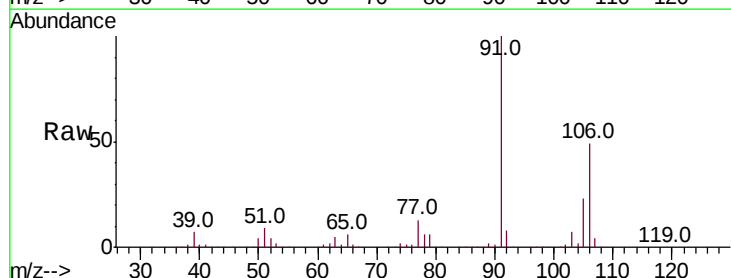
Acq: 25 Jul 2019 16:35

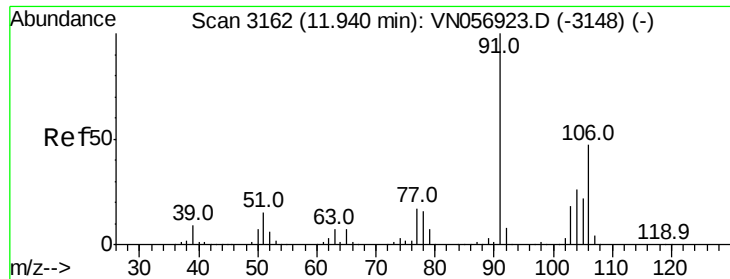
Tgt Ion: 106 Resp: 885815

Ion Ratio Lower Upper

106 100

91 202.8 159.6 239.4





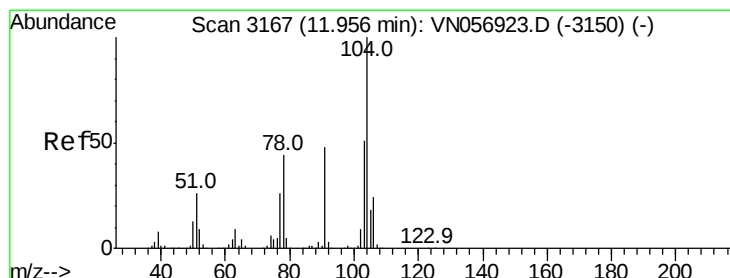
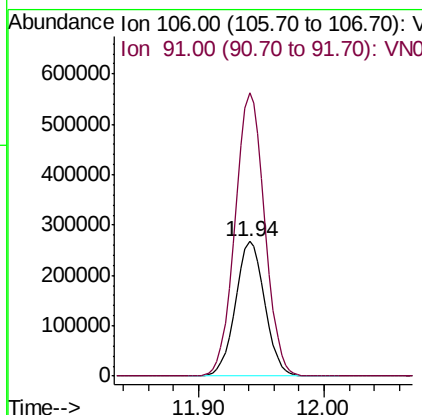
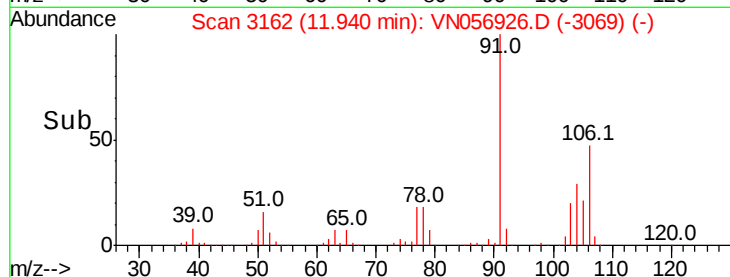
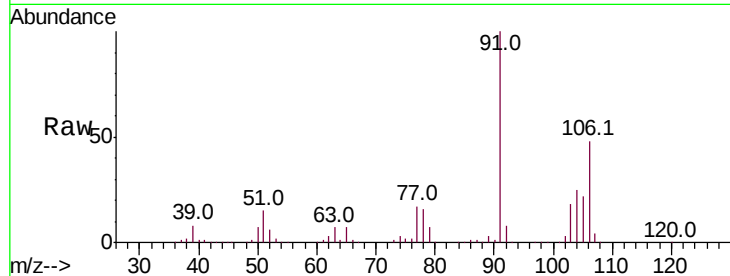
#69
o-Xylene
Concen: 49.140 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion:106 Resp: 431830
Ion Ratio Lower Upper
106 100
91 213.1 105.7 317.0

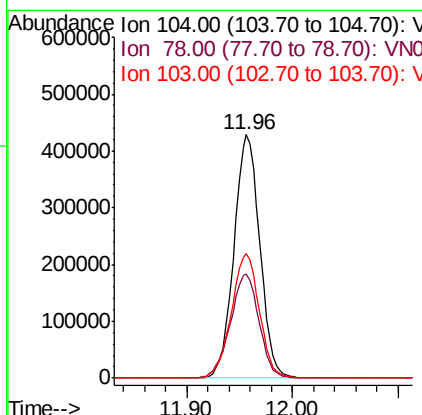
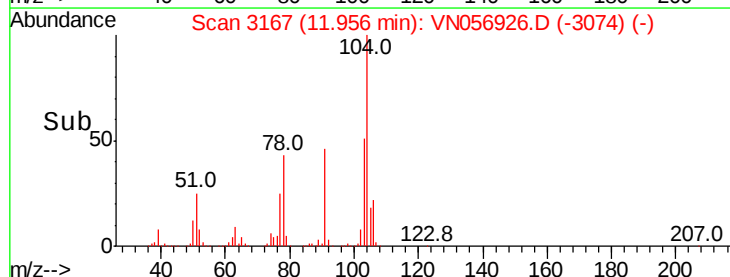
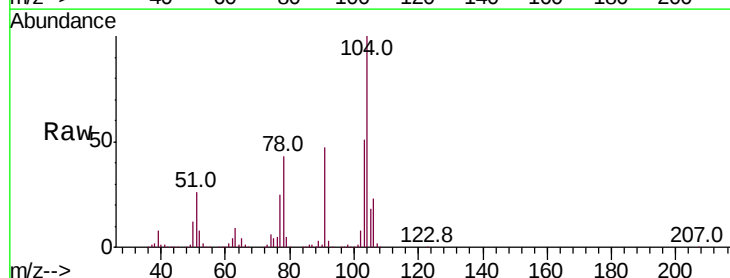
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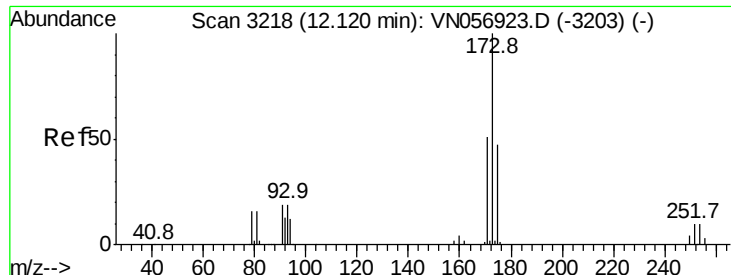
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#70
Styrene
Concen: 47.369 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion:104 Resp: 725867
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 55.2 44.1 66.1





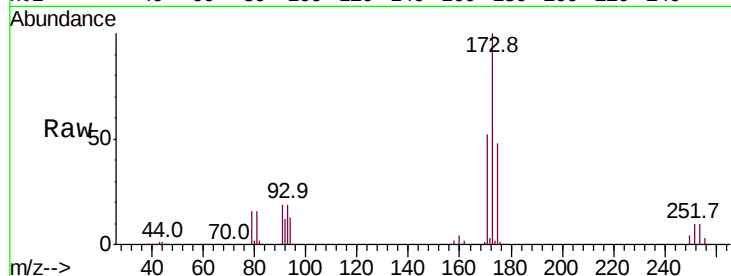
#71
Bromoform
Concen: 50.466 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN072619

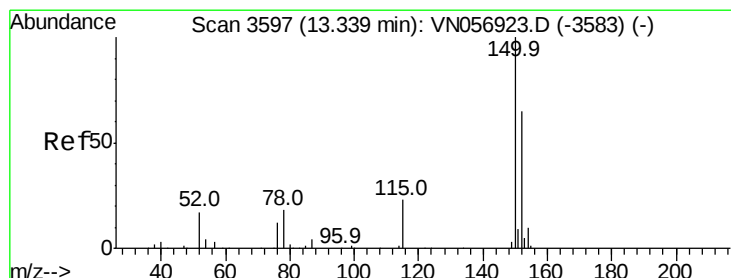
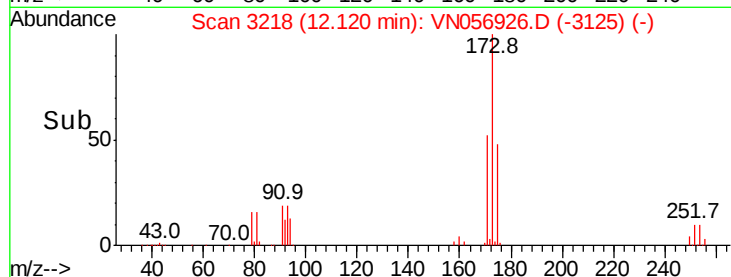
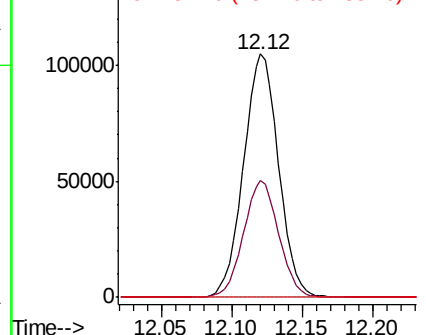
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.1	0.1	0.1

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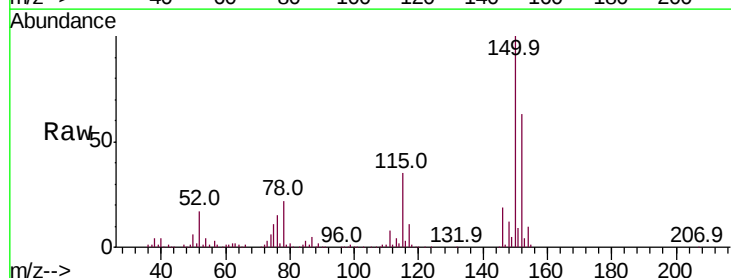


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

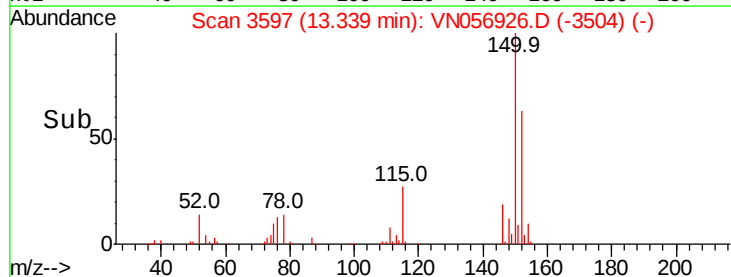
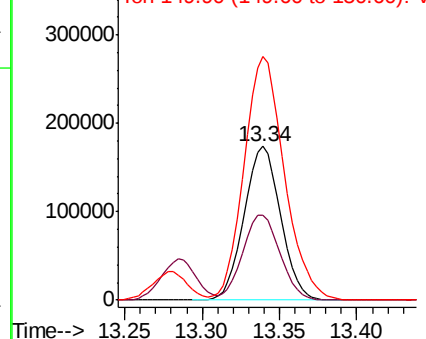


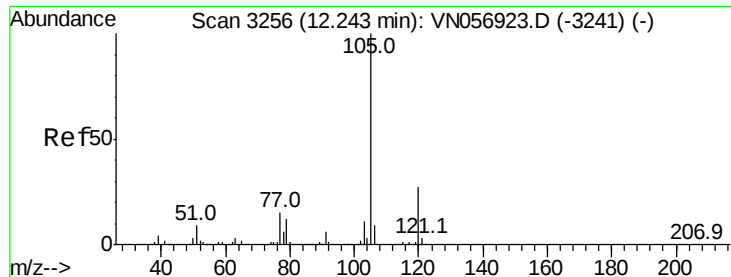
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.9	83.7
150	175.5	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: 51.558 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion:105 Resp: 1160727

Ion Ratio Lower Upper

105 100

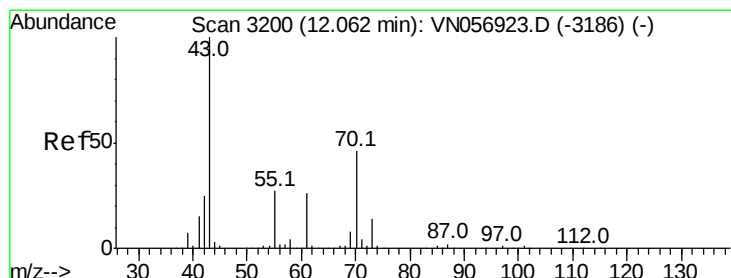
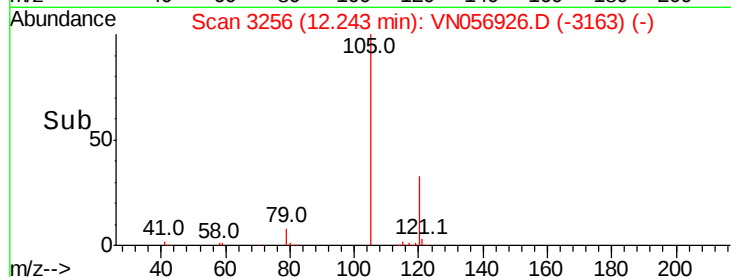
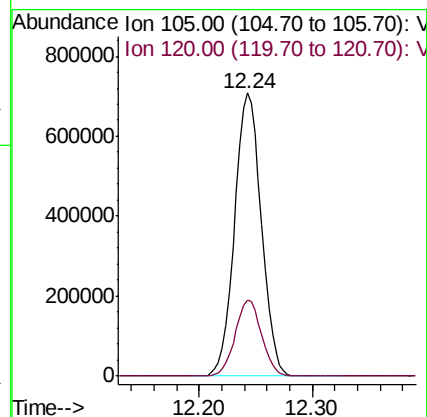
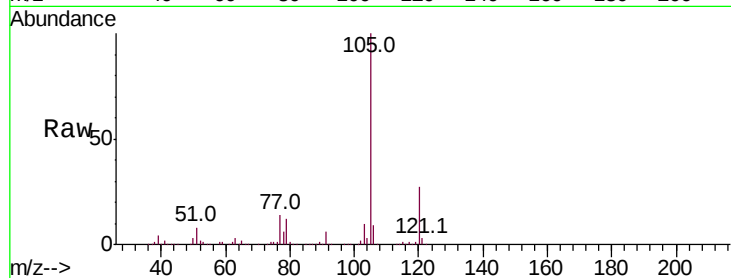
120 26.5 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.224 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion: 43 Resp: 374746

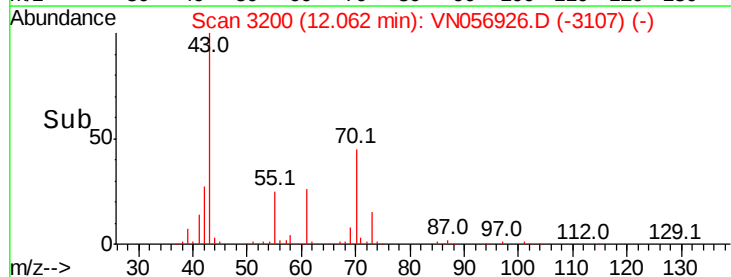
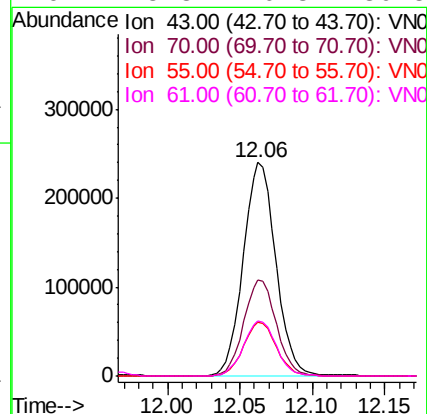
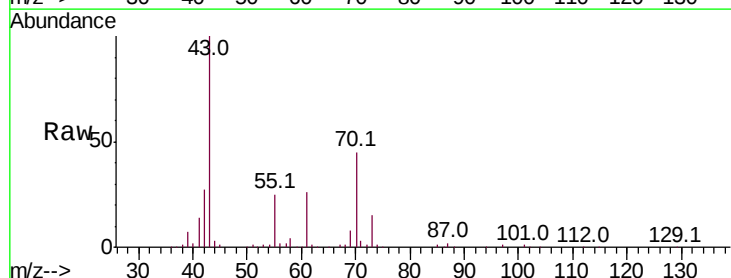
Ion Ratio Lower Upper

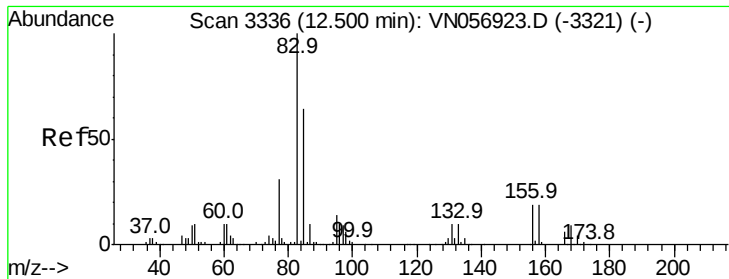
43 100

70 44.9 35.9 53.9

55 25.6 21.4 32.2

61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.204 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

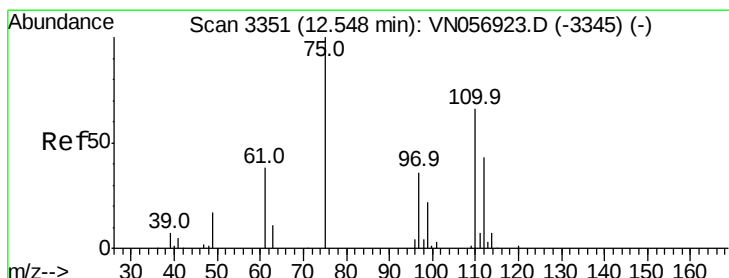
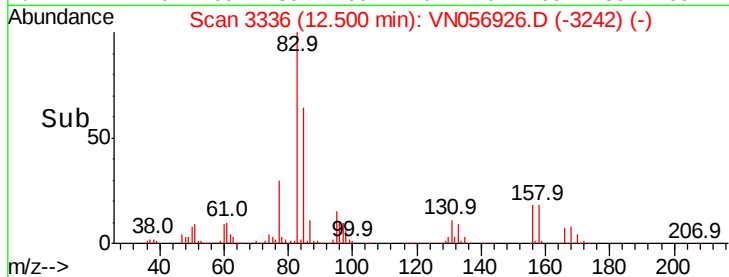
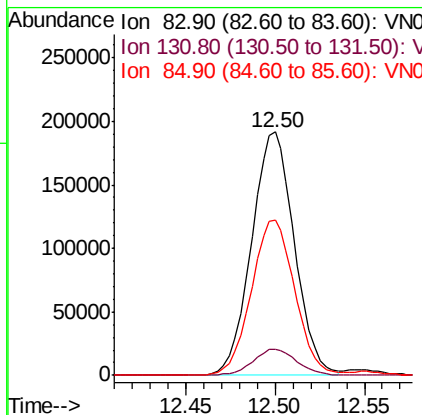
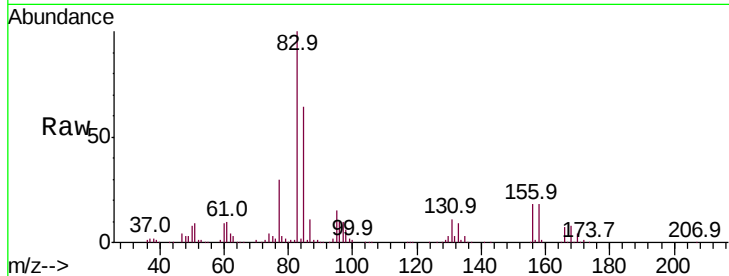
ClientSampleId :

ICVVN072619

Tot Ion:	83	Resp:	320472
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	15.8
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.918 ug/l m

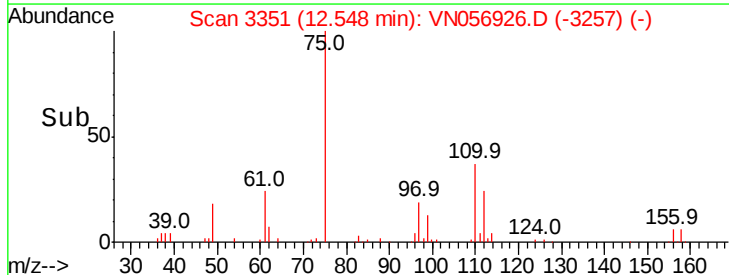
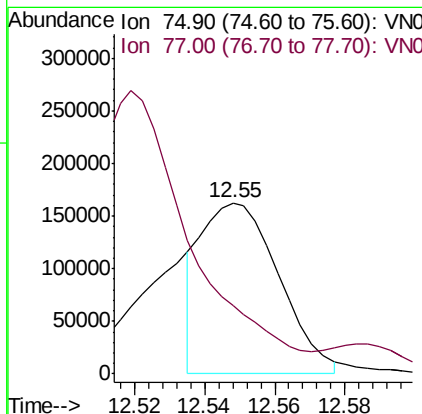
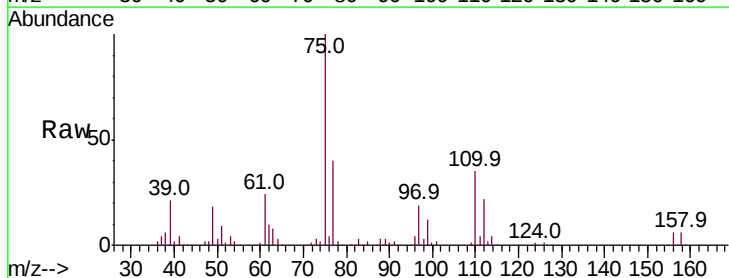
RT: 12.55 min Scan# 3351

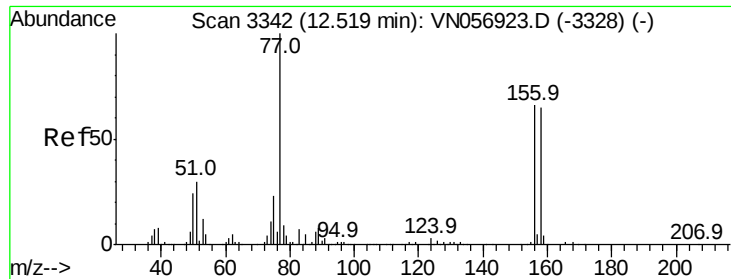
Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion:	75	Resp:	249362
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.347 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

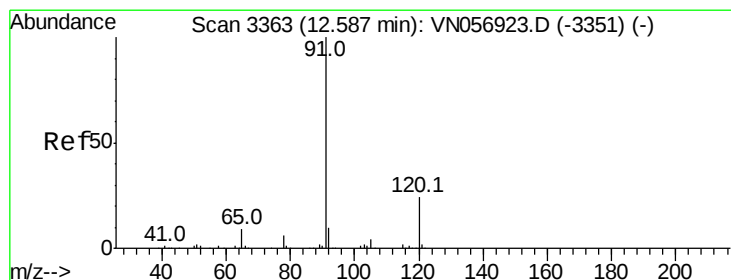
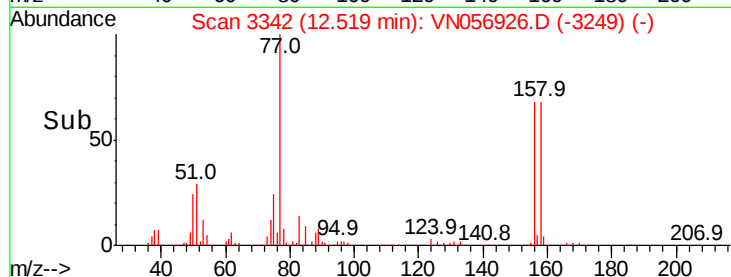
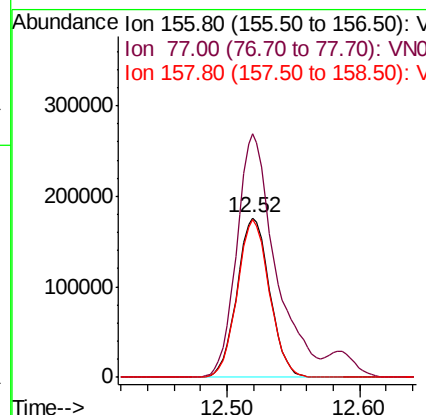
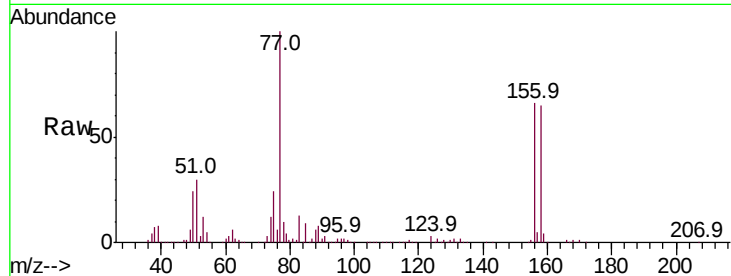
ClientSampleId :

ICVVN072619

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.5	90.8	272.3
158	97.7	49.5	148.5

Manual Integrations
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#78

n-propylbenzene

Concen: 46.822 ug/l

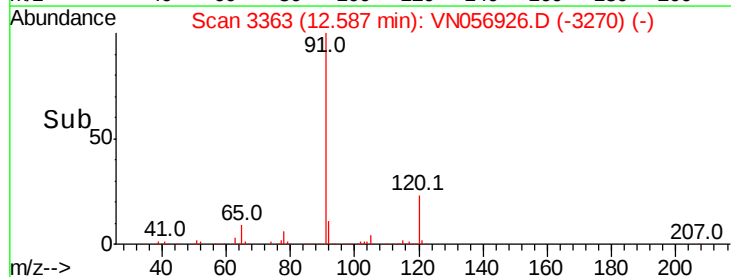
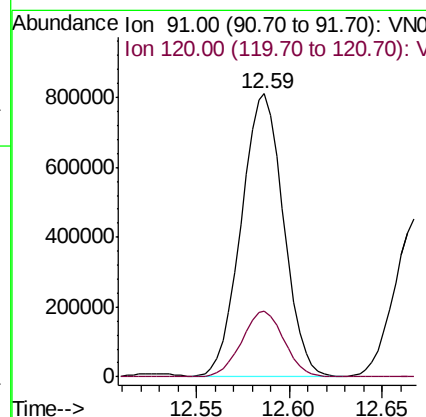
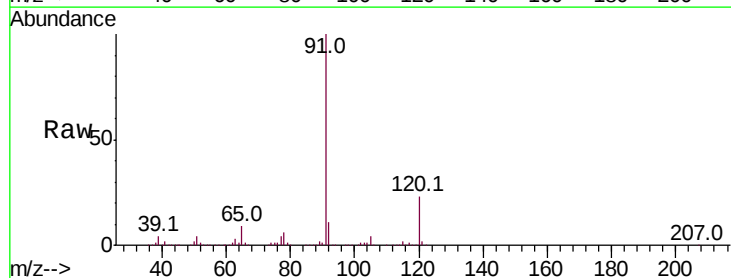
RT: 12.59 min Scan# 3363

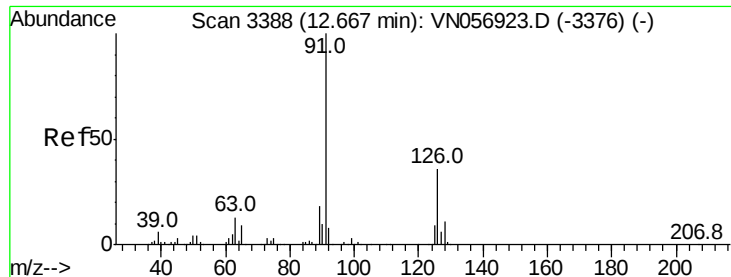
Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.7





#79

2-Chlorotoluene

Concen: 51.095 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion: 91 Resp: 762726

Ion Ratio Lower Upper

91 100

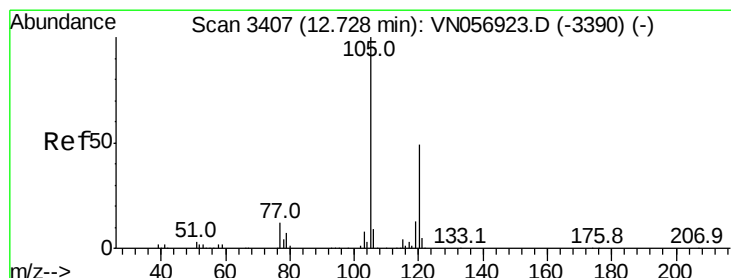
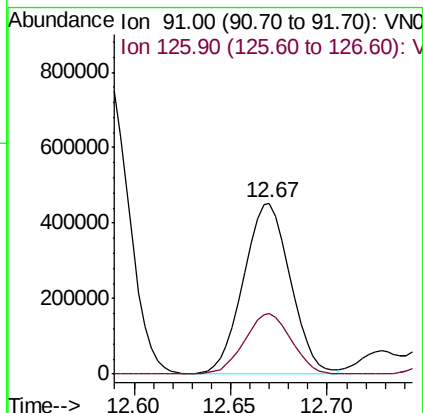
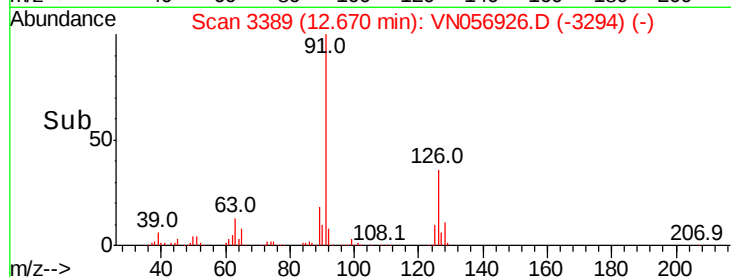
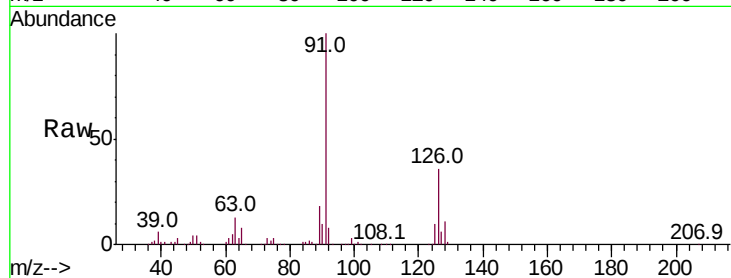
126 35.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.582 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056926.D

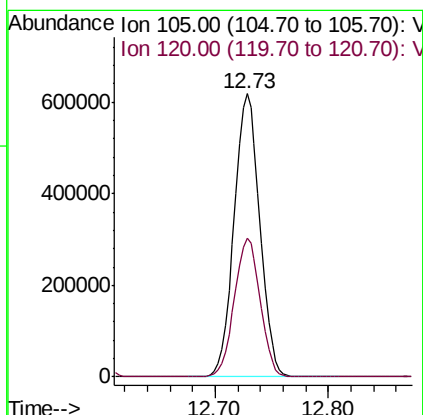
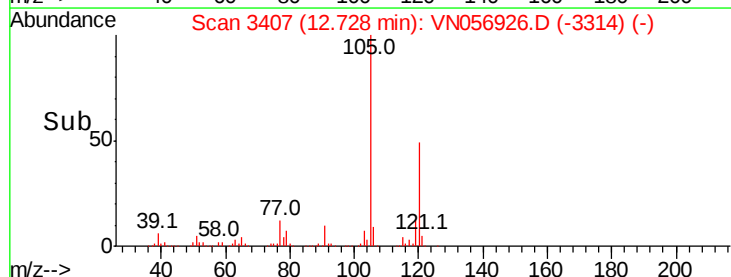
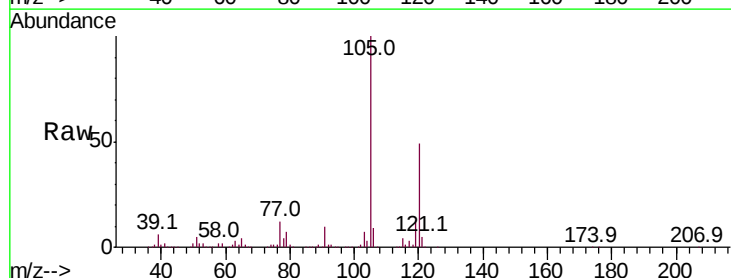
Acq: 25 Jul 2019 16:35

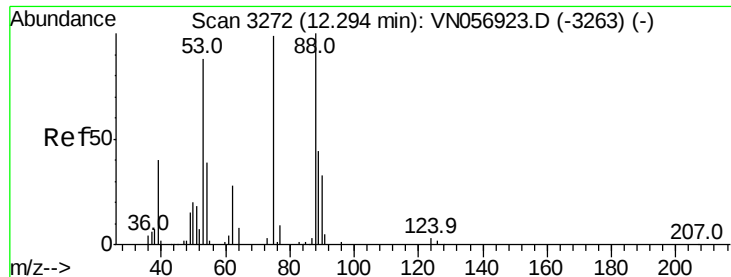
Tgt Ion: 105 Resp: 976152

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 52.012 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056926.D

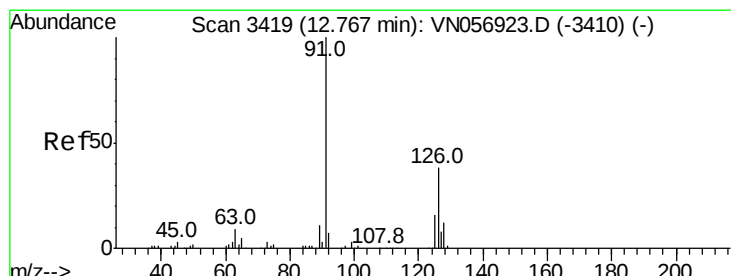
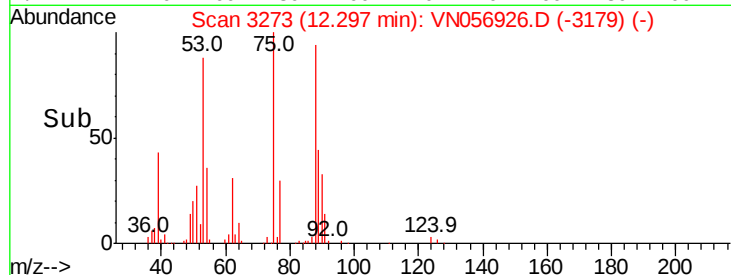
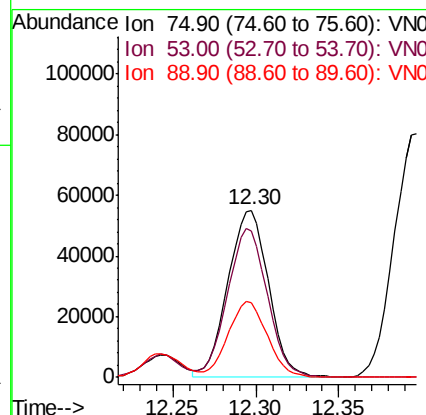
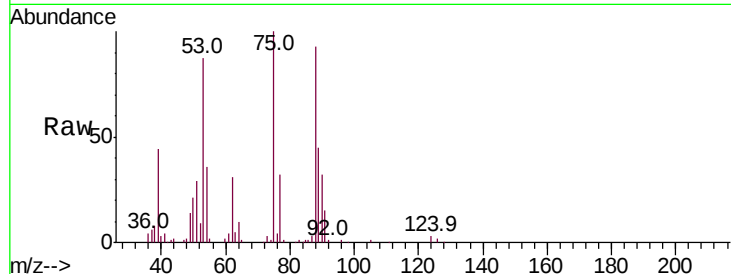
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.8	72.3	108.5
89	43.9	36.2	54.2

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#82

4-Chlorotoluene

Concen: 47.970 ug/l

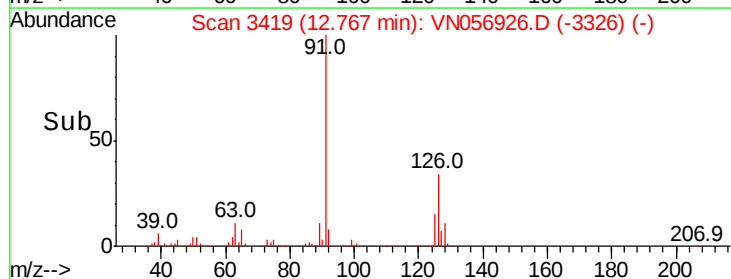
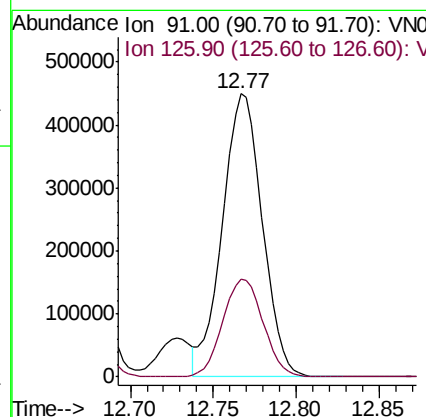
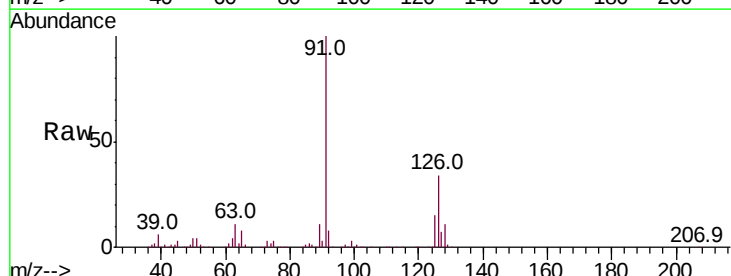
RT: 12.77 min Scan# 3419

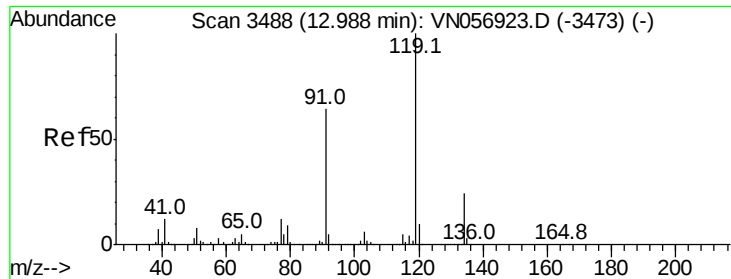
Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





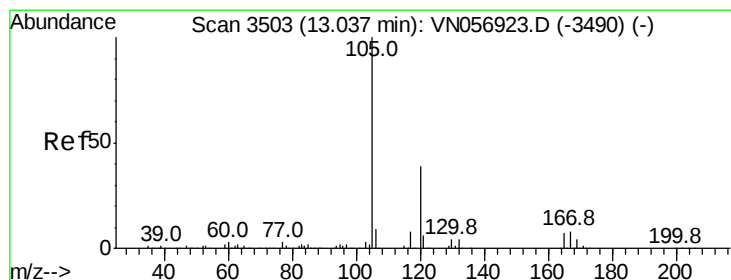
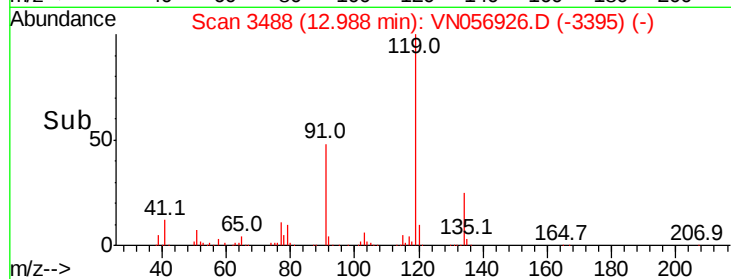
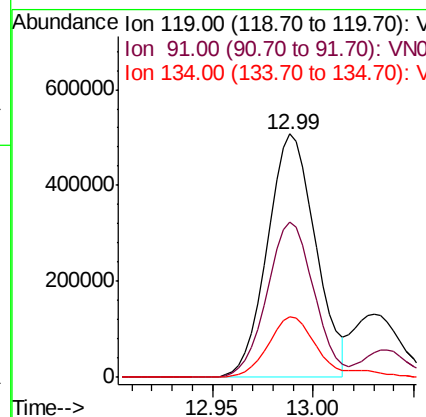
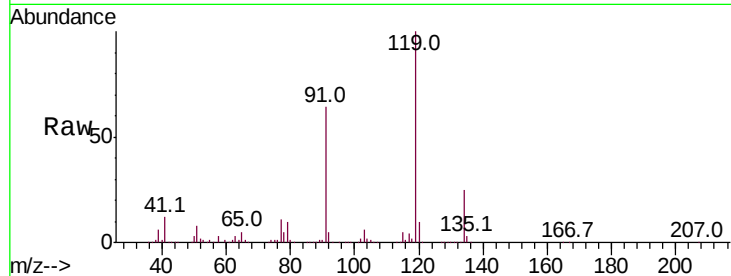
#83
tert-Butylbenzene
Concen: 51.816 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	841003		
91	62.7	31.6	95.0	
134	26.3	13.2	39.5	

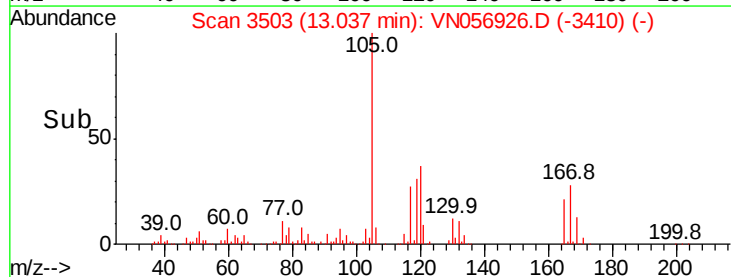
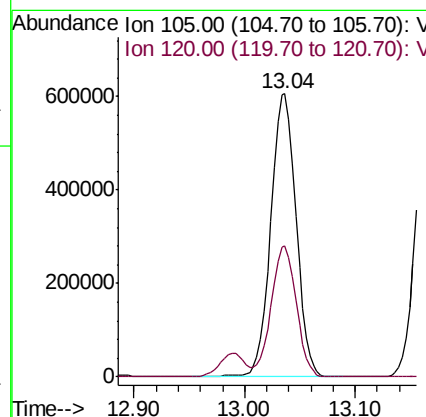
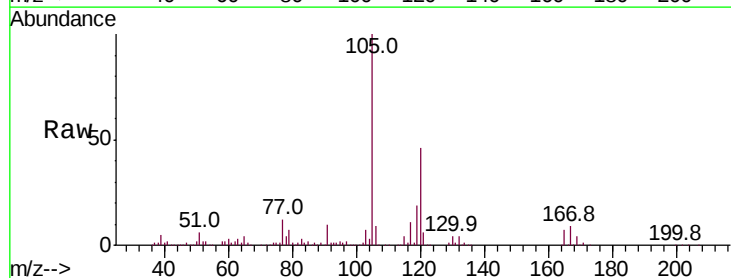
Manual Integrations
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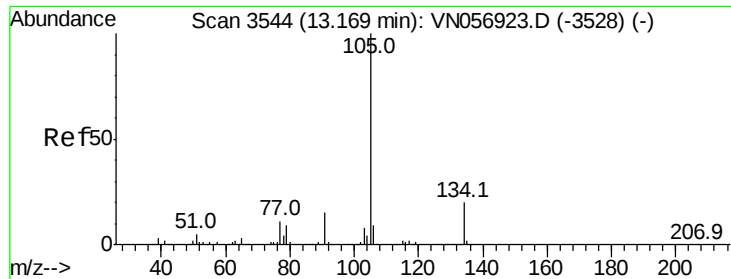
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.540 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	964073		
120	45.8	23.1	69.2	





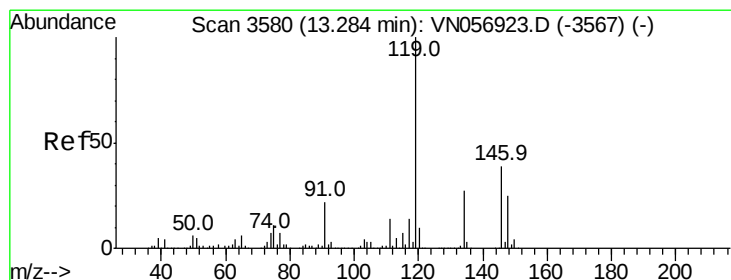
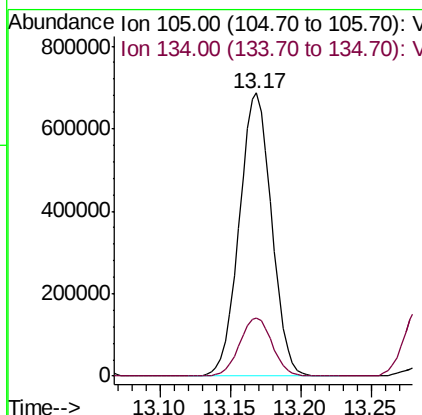
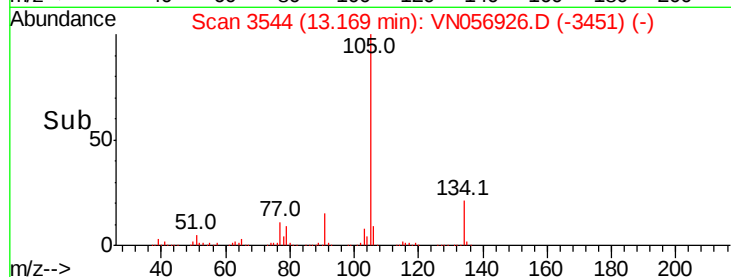
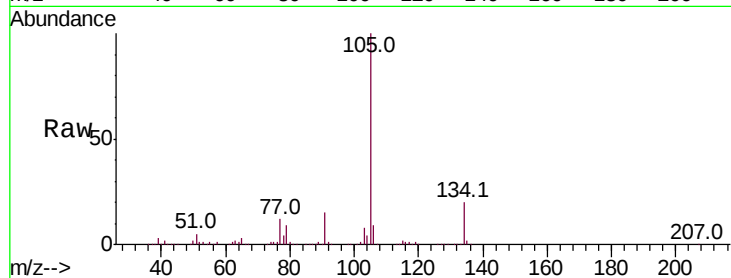
#85
 sec-Butylbenzene
 Concen: 46.140 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion:105 Resp: 1100890
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8

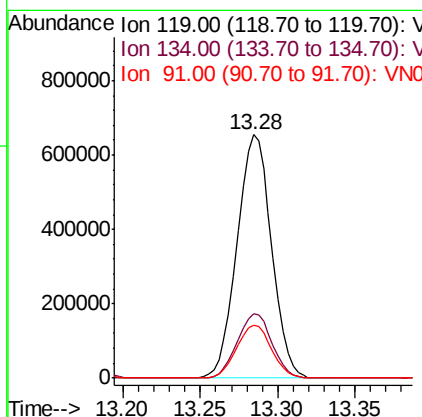
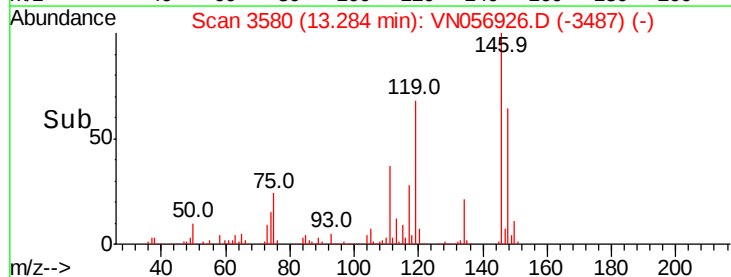
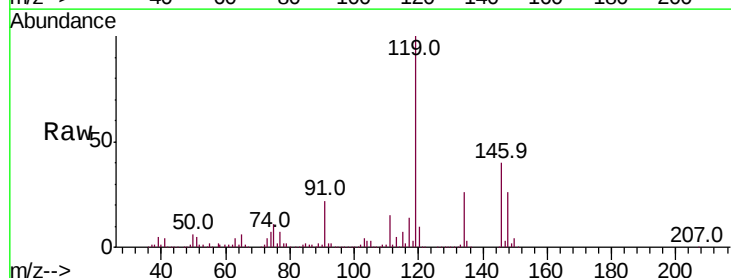
Manual Integrations
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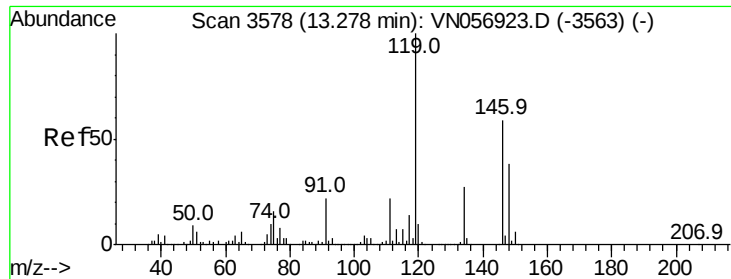
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#86
 p-Isopropyltoluene
 Concen: 47.769 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion:119 Resp: 1007142
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 22.0 11.0 33.0





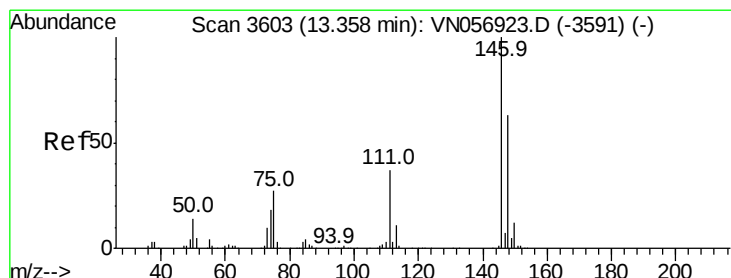
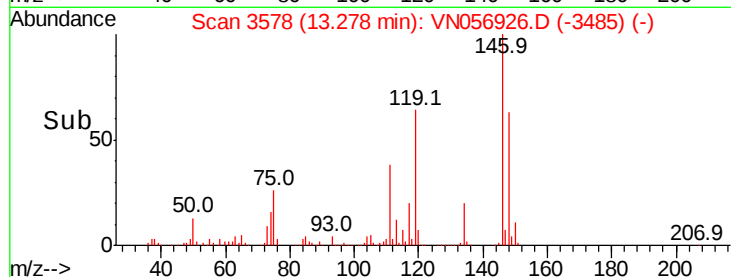
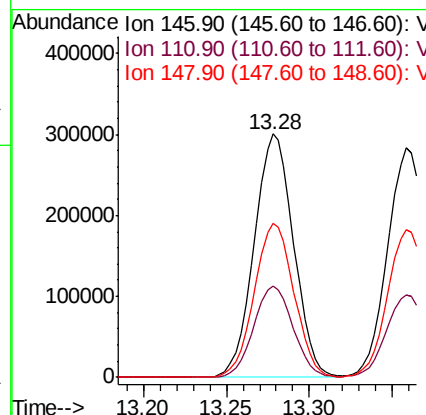
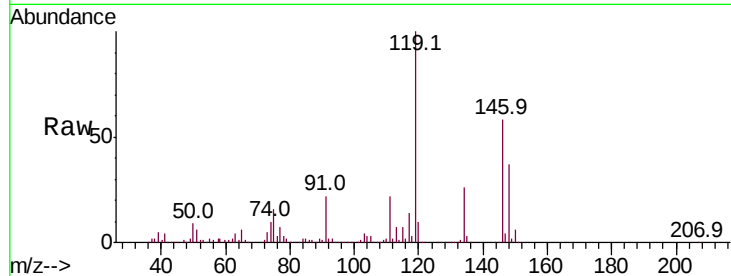
#87
 1,3-Dichlorobenzene
 Concen: 49.910 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	63.7	31.6	94.7

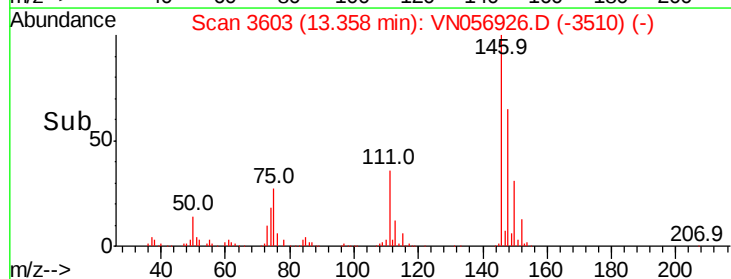
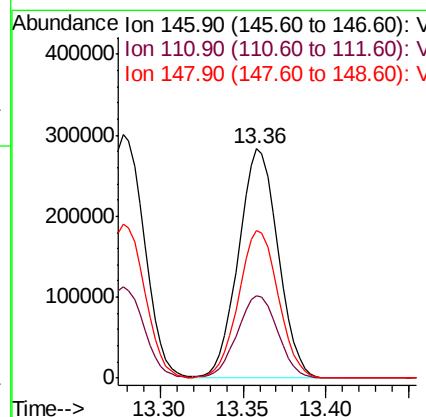
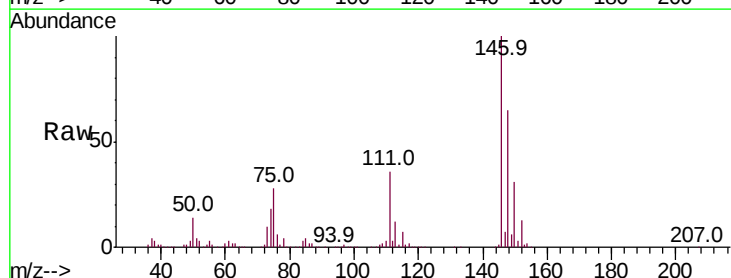
Manual Integrations
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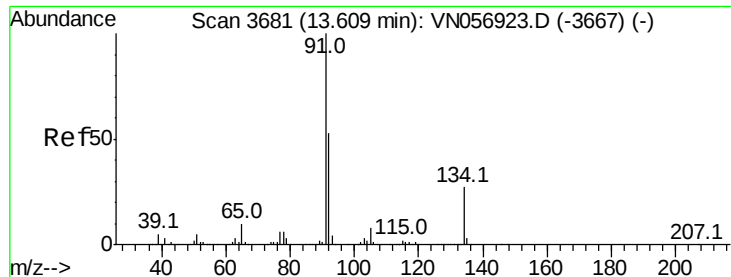
MMDadoda
 7/26/2019 3:37:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.474 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	64.9	32.1	96.3





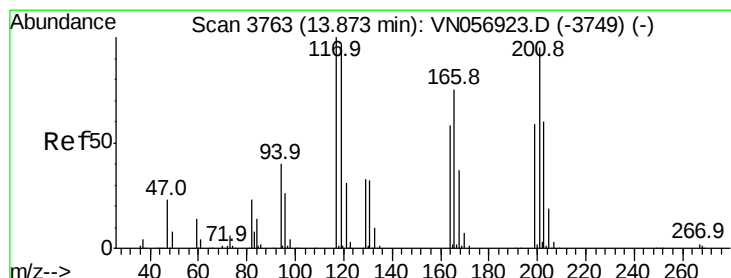
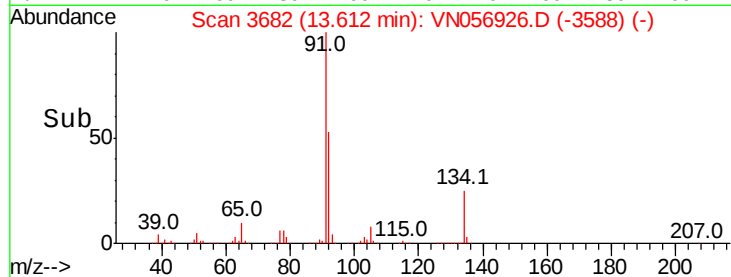
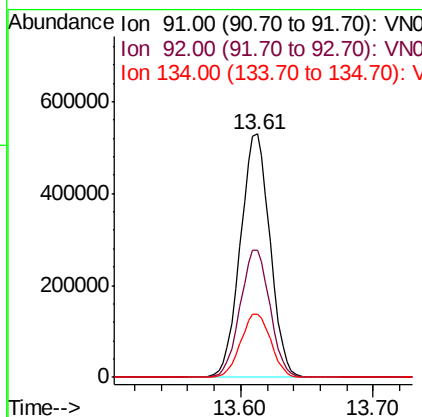
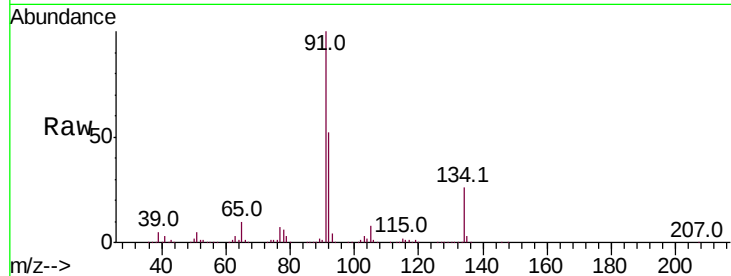
#89
n-Butylbenzene
Concen: 50.364 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072619

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	26.7	13.5	40.5

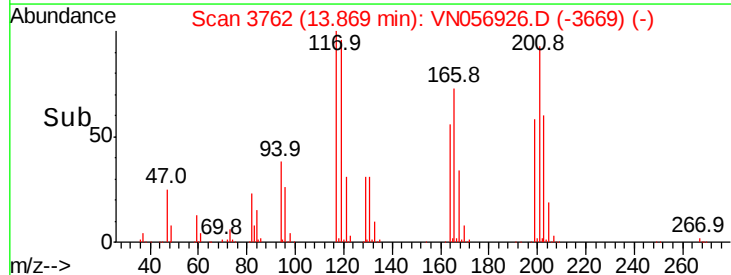
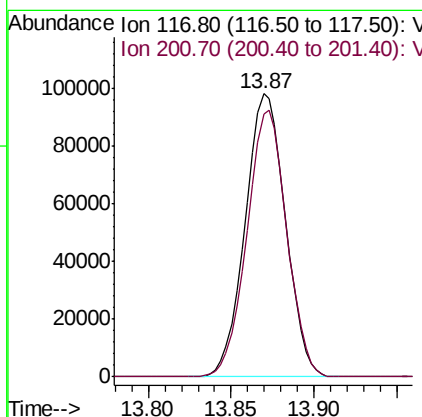
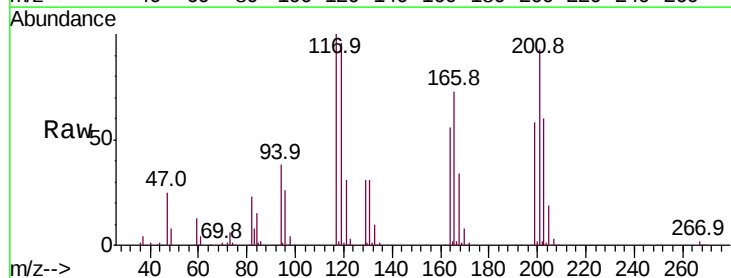
Manual Integrations
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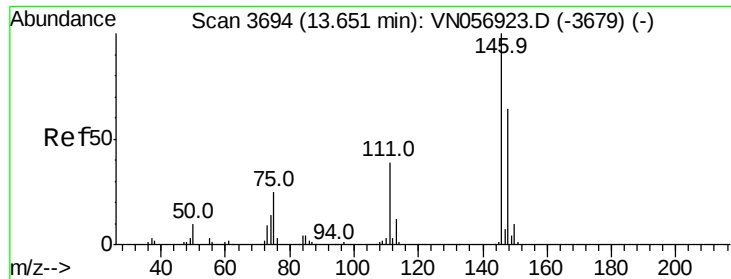
MMDadoda
7/26/2019 3:37:08 PM



#90
Hexachloroethane
Concen: 49.713 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056926.D
Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	47.3	142.0





#91

1,2-Dichlorobenzene

Concen: 48.843 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

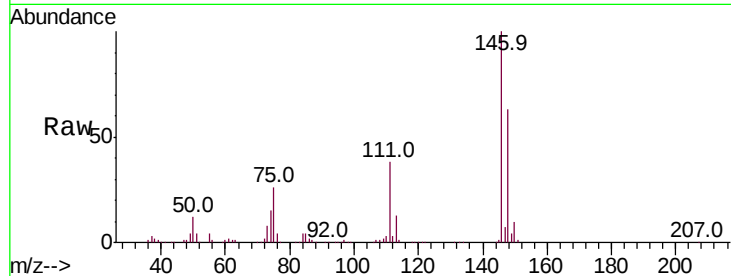
ClientSampleId :

ICVVN072619

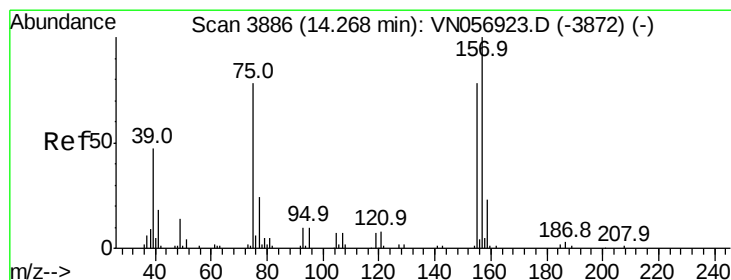
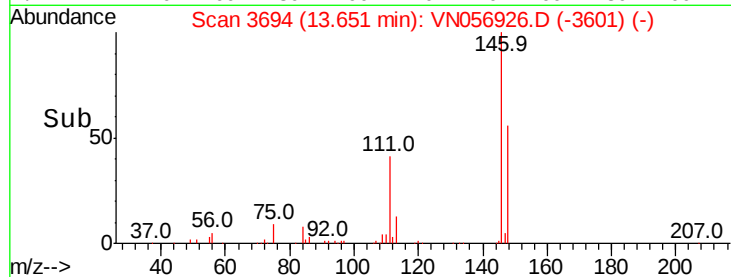
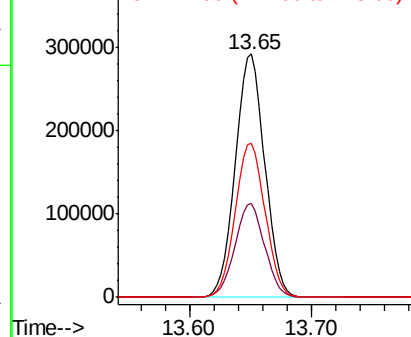
Tot Ion:	146	Resp:	490543
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.6	58.8
148	64.3	32.2	96.6

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.076 ug/l

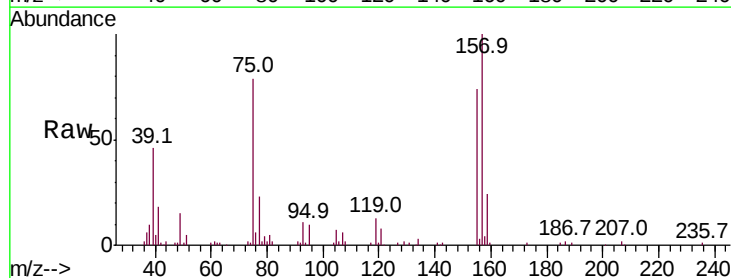
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

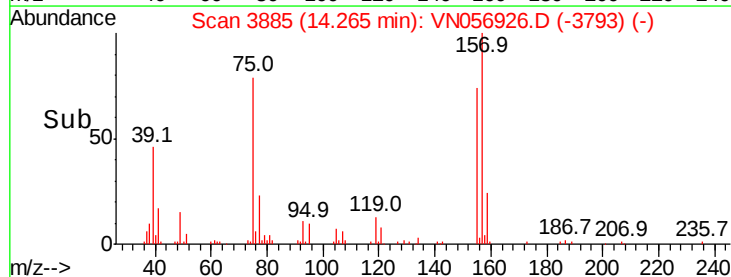
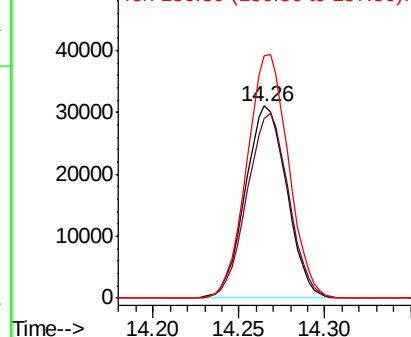
Lab File: VN056926.D

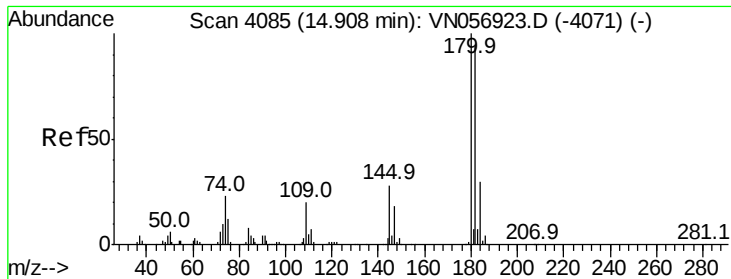
Acq: 25 Jul 2019 16:35

Tgt Ion:	75	Resp:	52085
Ion Ratio	Lower	Upper	
75	100		
155	96.5	47.3	141.9
157	127.0	63.0	189.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





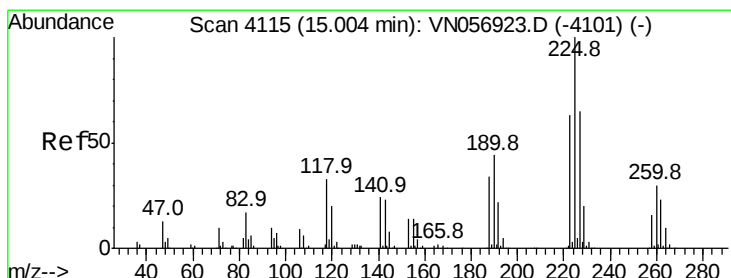
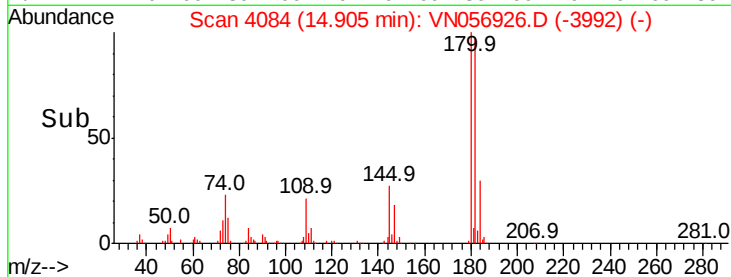
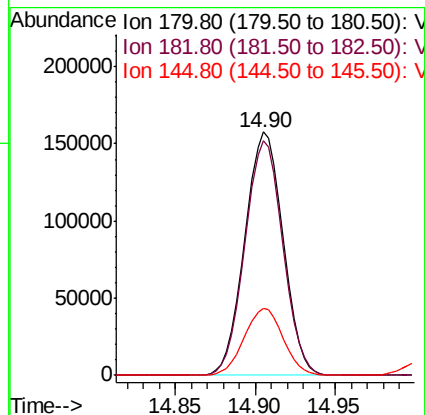
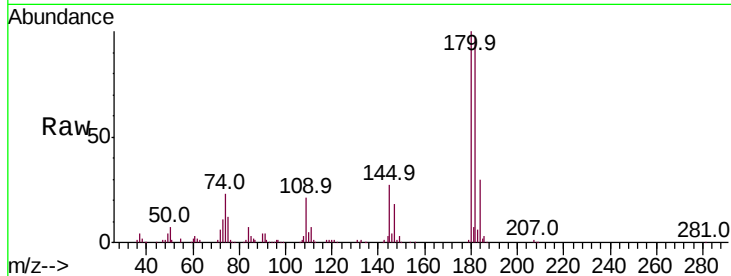
#93
 1,2,4-Trichlorobenzene
 Concen: 49.210 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	257104		
182	95.7	47.9	143.8	
145	27.9	14.1	42.4	

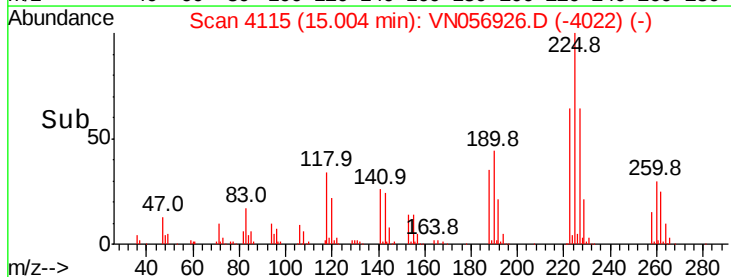
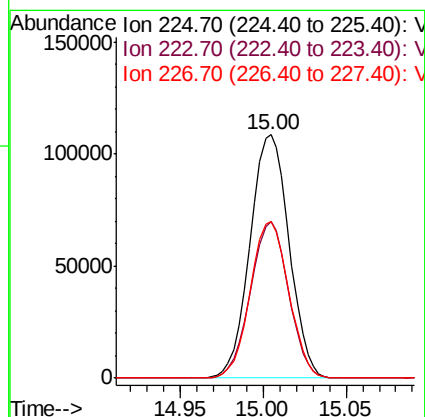
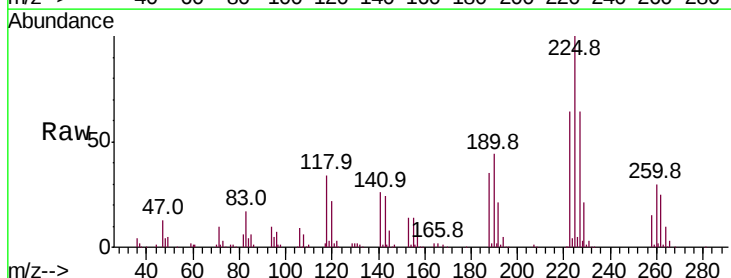
Manual Integrations
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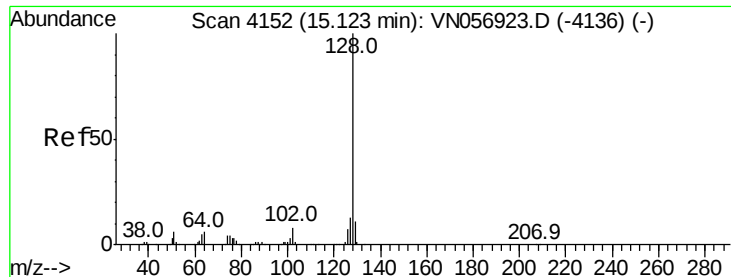
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#94
 Hexachlorobutadiene
 Concen: 52.280 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056926.D
 Acq: 25 Jul 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	177528		
223	62.8	31.3	93.9	
227	63.3	31.9	95.7	





#95

Naphthalene

Concen: 49.464 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072619

Tot Ion:128 Resp: 665779

Ion Ratio Lower Upper

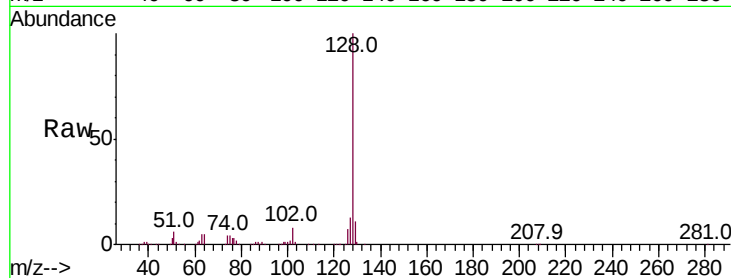
128 100

127 12.8 10.2 15.2

129 11.0 8.6 13.0

Manual Integrations
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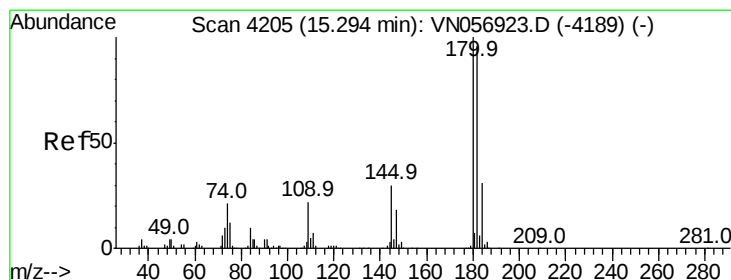
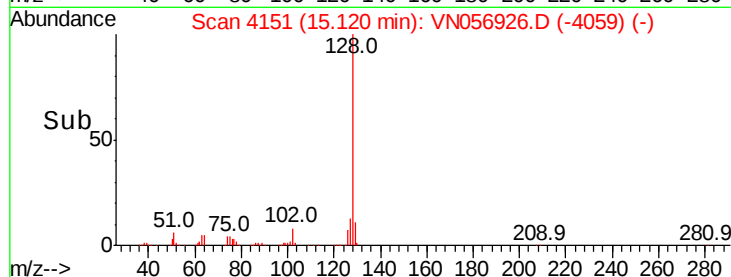
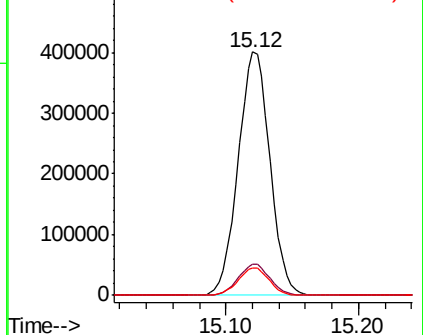
MMDadoda
7/26/2019 3:37:08 PM



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: 50.743 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056926.D

Acq: 25 Jul 2019 16:35

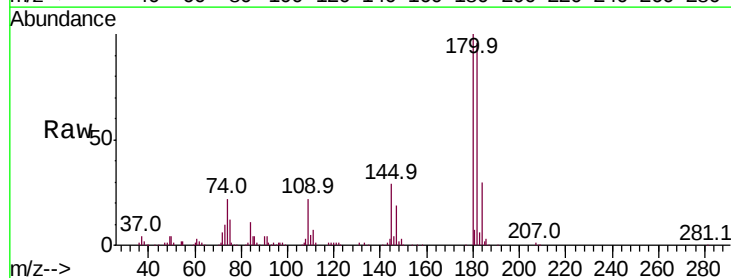
Tgt Ion:180 Resp: 276652

Ion Ratio Lower Upper

180 100

182 94.9 48.4 145.3

145 29.6 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

